
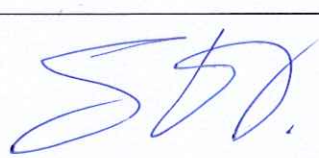




Test Report issued under the responsibility of:



































































































































TEST REPORT IEC 60335-2-40 Safety of household and similar electrical appliances Part 2-40: Particular requirements for electrical heat pumps, air conditioners and dehumidifiers	
Report Number	50102282 001
Date of issue	2018.06.05
Total number of pages	400
Name of Testing Laboratory preparing the Report	TÜV Rheinland Thailand Ltd.
Applicant's name	Toshiba Carrier (Thailand) Co., Ltd.
Address	144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand
Test specification:	
Standard	IEC 60335-2-40:2013/AMD1:2016 in conjunction with IEC 60335-1:2010/AMD1:2013
Test procedure	CB Scheme
Non-standard test method	N/A
Test Report Form No	IEC60335_2_40L
Test Report Form(s) Originator	VDE Prüf- und Zertifizierungsinstitut GmbH
Master TRF	Dated 2016-10
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General disclaimer:	
The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.	

Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	TÜV Rheinland Thailand Ltd.
Testing location/ address		Global Technology Assessment Center (GTAC); 123/1, Floor 1-2, Soi Chalongkung 31, Ladkrabang Industrial Estate, Lamplatew, Ladkrabang, Bangkok 10520, THAILAND
Tested by (name, function, signature)..... :		Montree Kumkratug /Project handler
		
Approved by (name, function, signature) .. :		Somrit Junsawat /TC
		
<hr/>		
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
Testing location/ address		
Tested by (name, function, signature)..... :		
Approved by (name, function, signature) .. :		
<hr/>		
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
Testing location/ address		
Tested by (name + signature)..... :		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature) .. :		
<hr/>		
<input type="checkbox"/>	Testing procedure: CTF Stage 3:	
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	
Testing location/ address		
Tested by (name, function, signature)..... :		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature) .. :		
Supervised by (name, function, signature) :		

<p>List of Attachments (including a total number of pages in each attachment):</p> <ul style="list-style-type: none"> - Attachment 1: Photographic Documentation (164 pages) - Attachment 2: EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES (31 pages) 	
<p>Summary of testing:</p> <p>The product complies with the requirements of referred standard in this test report.</p>	
<p>Tests performed (name of test and test clause):</p> <p>Testing and consideration according to below clauses, annexes have been conducted:</p> <ul style="list-style-type: none"> -Clause 7: Marking and instructions -Clause 8: Protection against access to live parts -Clause 10: Power input -Clause 11: Heating -Clause 13: Leakage current and electric strength at operating temperature -Clause 15: Moisture resistance -Clause 16: Leakage current and electric strength -Clause 17: Overload protection of Transformer -Clause 19: Abnormal operation -Clause 20: Stability and mechanical hazards -Clause 21: Mechanical strength -Clause 22: Construction -Clause 23: Internal wiring -Clause 24: Components -Clause 25: Supply connection and external flexible cord -Clause 26: Terminals for external conductors -Clause 27: Provision for earthing -Clause 28: Screws and connections -Clause 29: Clearances, creepage distances and solid insulation -Clause 30: Resistance to heat and fire -Clause 31: Resistance to rusting -Clause 32: Radiation, Toxicity and similar hazards 	<p>Testing location:</p> <p>TÜV Rheinland Thailand Ltd.</p> <p>Global Technology Assessment Center (GTAC); 123/1, Floor 1-2, Soi Chalongsung 31, Ladkrabang Industrial Estate, Lamplatew, Ladkrabang, Bangkok 10520, THAILAND</p>
<p>Summary of compliance with National Differences:</p> <p>List of countries addressed</p> <p>EU Group Differences</p> <p>EU Group Differences= European Group Differences</p> <p><input checked="" type="checkbox"/> The product fulfils the requirements of IEC 60335-2-40:2013/AMD1:2016</p> <p>IEC 60335-1:2010/AMD1:2013 EN 60335-2-40:2003 (incl. Corr.:2006) + A11:2004 + A12:2005 + A1:2006 + A2:2009 + A13:2012 (incl. Corr.:2013)</p> <p>EN 60335 1:2012 (incl. Corr.:2014) EN 60335 1:2012 + AC:2014 + A11:2014</p> <p>EN 62233:2008 IEC62233:2005</p>	

Copy of marking plate:
 Indoor unit: (Hi-wall Type)

TOSHIBA AIR CONDITIONER RAV-RM301KRTP-E 220-240V~50Hz 220V~60Hz 40 W 10 kg	<table border="1"> <tr> <td>Manufacturer TOSHIBA CARRIER (THAILAND) CO.,LTD.</td> <td>Importer TOSHIBA CARRIER EUROPE S.A.S</td> </tr> <tr> <td>Address 144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.</td> <td>Address Route de Thil 01120 Montluel FRANCE</td> </tr> </table>	Manufacturer TOSHIBA CARRIER (THAILAND) CO.,LTD.	Importer TOSHIBA CARRIER EUROPE S.A.S	Address 144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.	Address Route de Thil 01120 Montluel FRANCE	<table border="1"> <tr> <td colspan="2">TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND						SERIAL NO. 73100001 PRODUCTION YEAR 2017    1072082225	 
Manufacturer TOSHIBA CARRIER (THAILAND) CO.,LTD.	Importer TOSHIBA CARRIER EUROPE S.A.S													
Address 144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.	Address Route de Thil 01120 Montluel FRANCE													
TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND														
														
														
TOSHIBA AIR CONDITIONER RAV-RM401KRTP-E 220-240V~50Hz 220V~60Hz 40 W 10 kg	<table border="1"> <tr> <td>Manufacturer TOSHIBA CARRIER (THAILAND) CO.,LTD.</td> <td>Importer TOSHIBA CARRIER EUROPE S.A.S</td> </tr> <tr> <td>Address 144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.</td> <td>Address Route de Thil 01120 Montluel FRANCE</td> </tr> </table>	Manufacturer TOSHIBA CARRIER (THAILAND) CO.,LTD.	Importer TOSHIBA CARRIER EUROPE S.A.S	Address 144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.	Address Route de Thil 01120 Montluel FRANCE	<table border="1"> <tr> <td colspan="2">TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND						SERIAL NO. 73100001 PRODUCTION YEAR 2017    1072082226	 
Manufacturer TOSHIBA CARRIER (THAILAND) CO.,LTD.	Importer TOSHIBA CARRIER EUROPE S.A.S													
Address 144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.	Address Route de Thil 01120 Montluel FRANCE													
TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND														
														
														
TOSHIBA AIR CONDITIONER RAV-RM561KRTP-E 220-240V~50Hz 220V~60Hz 55 W 12 kg	<table border="1"> <tr> <td>Manufacturer TOSHIBA CARRIER (THAILAND) CO.,LTD.</td> <td>Importer TOSHIBA CARRIER EUROPE S.A.S</td> </tr> <tr> <td>Address 144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.</td> <td>Address Route de Thil 01120 Montluel FRANCE</td> </tr> </table>	Manufacturer TOSHIBA CARRIER (THAILAND) CO.,LTD.	Importer TOSHIBA CARRIER EUROPE S.A.S	Address 144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.	Address Route de Thil 01120 Montluel FRANCE	<table border="1"> <tr> <td colspan="2">TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND						SERIAL NO. 73100002 PRODUCTION YEAR 2017    1072082229	 
Manufacturer TOSHIBA CARRIER (THAILAND) CO.,LTD.	Importer TOSHIBA CARRIER EUROPE S.A.S													
Address 144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.	Address Route de Thil 01120 Montluel FRANCE													
TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND														
														
														
TOSHIBA AIR CONDITIONER RAV-RM801KRTP-E 220-240V~50Hz 220V~60Hz 55 W 12 kg	<table border="1"> <tr> <td>Manufacturer TOSHIBA CARRIER (THAILAND) CO.,LTD.</td> <td>Importer TOSHIBA CARRIER EUROPE S.A.S</td> </tr> <tr> <td>Address 144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.</td> <td>Address Route de Thil 01120 Montluel FRANCE</td> </tr> </table>	Manufacturer TOSHIBA CARRIER (THAILAND) CO.,LTD.	Importer TOSHIBA CARRIER EUROPE S.A.S	Address 144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.	Address Route de Thil 01120 Montluel FRANCE	<table border="1"> <tr> <td colspan="2">TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND						SERIAL NO. 73100001 PRODUCTION YEAR 2017    1072082230	 
Manufacturer TOSHIBA CARRIER (THAILAND) CO.,LTD.	Importer TOSHIBA CARRIER EUROPE S.A.S													
Address 144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.	Address Route de Thil 01120 Montluel FRANCE													
TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND														
														
														
TOSHIBA KLİMA RAV-RM301KRTP-TR 220-240V~50Hz 220V~60Hz 40 W 10 kg	<table border="1"> <tr> <td>İmalatçı : TOSHIBA CARRIER (THAILAND) CO.,LTD.</td> <td>İthalatçı ALARKO CARRIER SANAYI VE TİCARET A.Ş.</td> </tr> <tr> <td>Adres: 144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD, TAMBOL BANGKADI , AMPHUR MUANG ,PATHUMTHANI 12000, THAILAND.</td> <td>Adres: GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BİLGİSÜ CAD. 41480 GEBZE-KOCAELİ, TÜRKİYE</td> </tr> </table>	İmalatçı : TOSHIBA CARRIER (THAILAND) CO.,LTD.	İthalatçı ALARKO CARRIER SANAYI VE TİCARET A.Ş.	Adres: 144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD, TAMBOL BANGKADI , AMPHUR MUANG ,PATHUMTHANI 12000, THAILAND.	Adres: GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BİLGİSÜ CAD. 41480 GEBZE-KOCAELİ, TÜRKİYE	<table border="1"> <tr> <td colspan="2">TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND ÜRETİM YERİ TAYLAND</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND ÜRETİM YERİ TAYLAND						SERİ NUMARASI 73100001 Üretim yılı 2017  1072082227	 
İmalatçı : TOSHIBA CARRIER (THAILAND) CO.,LTD.	İthalatçı ALARKO CARRIER SANAYI VE TİCARET A.Ş.													
Adres: 144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD, TAMBOL BANGKADI , AMPHUR MUANG ,PATHUMTHANI 12000, THAILAND.	Adres: GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BİLGİSÜ CAD. 41480 GEBZE-KOCAELİ, TÜRKİYE													
TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND ÜRETİM YERİ TAYLAND														
														
														
TOSHIBA KLİMA RAV-RM401KRTP-TR 220-240V~50Hz 220V~60Hz 40 W 10 kg	<table border="1"> <tr> <td>İmalatçı : TOSHIBA CARRIER (THAILAND) CO.,LTD.</td> <td>İthalatçı ALARKO CARRIER SANAYI VE TİCARET A.Ş.</td> </tr> <tr> <td>Adres: 144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD, TAMBOL BANGKADI , AMPHUR MUANG ,PATHUMTHANI 12000, THAILAND.</td> <td>Adres: GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BİLGİSÜ CAD. 41480 GEBZE-KOCAELİ, TÜRKİYE</td> </tr> </table>	İmalatçı : TOSHIBA CARRIER (THAILAND) CO.,LTD.	İthalatçı ALARKO CARRIER SANAYI VE TİCARET A.Ş.	Adres: 144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD, TAMBOL BANGKADI , AMPHUR MUANG ,PATHUMTHANI 12000, THAILAND.	Adres: GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BİLGİSÜ CAD. 41480 GEBZE-KOCAELİ, TÜRKİYE	<table border="1"> <tr> <td colspan="2">TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND ÜRETİM YERİ TAYLAND</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND ÜRETİM YERİ TAYLAND						SERİ NUMARASI 73100002 Üretim yılı 2017  1072082228	 
İmalatçı : TOSHIBA CARRIER (THAILAND) CO.,LTD.	İthalatçı ALARKO CARRIER SANAYI VE TİCARET A.Ş.													
Adres: 144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD, TAMBOL BANGKADI , AMPHUR MUANG ,PATHUMTHANI 12000, THAILAND.	Adres: GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BİLGİSÜ CAD. 41480 GEBZE-KOCAELİ, TÜRKİYE													
TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND ÜRETİM YERİ TAYLAND														
														
														
TOSHIBA KLİMA RAV-RM561KRTP-TR 220-240V~50Hz 220V~60Hz 55 W 12 kg	<table border="1"> <tr> <td>İmalatçı : TOSHIBA CARRIER (THAILAND) CO.,LTD.</td> <td>İthalatçı ALARKO CARRIER SANAYI VE TİCARET A.Ş.</td> </tr> <tr> <td>Adres: 144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD, TAMBOL BANGKADI , AMPHUR MUANG ,PATHUMTHANI 12000, THAILAND.</td> <td>Adres: GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BİLGİSÜ CAD. 41480 GEBZE-KOCAELİ, TÜRKİYE</td> </tr> </table>	İmalatçı : TOSHIBA CARRIER (THAILAND) CO.,LTD.	İthalatçı ALARKO CARRIER SANAYI VE TİCARET A.Ş.	Adres: 144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD, TAMBOL BANGKADI , AMPHUR MUANG ,PATHUMTHANI 12000, THAILAND.	Adres: GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BİLGİSÜ CAD. 41480 GEBZE-KOCAELİ, TÜRKİYE	<table border="1"> <tr> <td colspan="2">TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND ÜRETİM YERİ TAYLAND</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND ÜRETİM YERİ TAYLAND						SERİ NUMARASI 73100001 Üretim yılı 2017  1072082231	 
İmalatçı : TOSHIBA CARRIER (THAILAND) CO.,LTD.	İthalatçı ALARKO CARRIER SANAYI VE TİCARET A.Ş.													
Adres: 144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD, TAMBOL BANGKADI , AMPHUR MUANG ,PATHUMTHANI 12000, THAILAND.	Adres: GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BİLGİSÜ CAD. 41480 GEBZE-KOCAELİ, TÜRKİYE													
TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND ÜRETİM YERİ TAYLAND														
														
														
TOSHIBA KLİMA RAV-RM801KRTP-TR 220-240V~50Hz 220V~60Hz 55 W 12 kg	<table border="1"> <tr> <td>İmalatçı : TOSHIBA CARRIER (THAILAND) CO.,LTD.</td> <td>İthalatçı ALARKO CARRIER SANAYI VE TİCARET A.Ş.</td> </tr> <tr> <td>Adres: 144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD, TAMBOL BANGKADI , AMPHUR MUANG ,PATHUMTHANI 12000, THAILAND.</td> <td>Adres: GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BİLGİSÜ CAD. 41480 GEBZE-KOCAELİ, TÜRKİYE</td> </tr> </table>	İmalatçı : TOSHIBA CARRIER (THAILAND) CO.,LTD.	İthalatçı ALARKO CARRIER SANAYI VE TİCARET A.Ş.	Adres: 144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD, TAMBOL BANGKADI , AMPHUR MUANG ,PATHUMTHANI 12000, THAILAND.	Adres: GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BİLGİSÜ CAD. 41480 GEBZE-KOCAELİ, TÜRKİYE	<table border="1"> <tr> <td colspan="2">TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND ÜRETİM YERİ TAYLAND</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND ÜRETİM YERİ TAYLAND						SERİ NUMARASI 73100002 Üretim yılı 2017  1072082232	 
İmalatçı : TOSHIBA CARRIER (THAILAND) CO.,LTD.	İthalatçı ALARKO CARRIER SANAYI VE TİCARET A.Ş.													
Adres: 144/9 MOO 5, BANGKADI INDUSTRIAL PARK, TIVANON ROAD, TAMBOL BANGKADI , AMPHUR MUANG ,PATHUMTHANI 12000, THAILAND.	Adres: GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BİLGİSÜ CAD. 41480 GEBZE-KOCAELİ, TÜRKİYE													
TOSHIBA CARRIER (THAILAND) CO.,LTD. MADE IN THAILAND ÜRETİM YERİ TAYLAND														
														
														

Copy of marking plate: (continued)

Indoor unit: (Compact 4 Way Cassette Type)

TOSHIBA

AIR CONDITIONER

 MODEL **RAV-RM301MUT-E**


 220-240V~ 50Hz
 220V~ 60Hz
 65 W
 15kg

PRODUCTION YEAR 2017

SERIAL NO. 711A0001

Manufacturer TOSHIBA CARRIER CORPORATION
Address 336, Tadehara, Fuji-shi, Shizuoka-ken 416-8521 JAPAN
Importer TOSHIBA CARRIER EUROPE S.A.S
Address Route de Thil 01120 Montluel FRANCE

TOSHIBA CARRIER CORPORATION
 MADE IN JAPAN


WARNING	
	ELECTRICAL SHOCK HAZARD
	Disconnect all remote electric power supplies before servicing.

TOSHIBA

AIR CONDITIONER

 MODEL **RAV-RM401MUT-E**


 220-240V~ 50Hz
 220V~ 60Hz
 65 W
 15kg

PRODUCTION YEAR 2017

SERIAL NO. 711A0001

Manufacturer TOSHIBA CARRIER CORPORATION
Address 336, Tadehara, Fuji-shi, Shizuoka-ken 416-8521 JAPAN
Importer TOSHIBA CARRIER EUROPE S.A.S
Address Route de Thil 01120 Montluel FRANCE

TOSHIBA CARRIER CORPORATION
 MADE IN JAPAN


WARNING	
	ELECTRICAL SHOCK HAZARD
	Disconnect all remote electric power supplies before servicing.

TOSHIBA

AIR CONDITIONER

 MODEL **RAV-RM561MUT-E**


 220-240V~ 50Hz
 220V~ 60Hz
 65 W
 15kg

PRODUCTION YEAR 2017

SERIAL NO. 711A0001

Manufacturer TOSHIBA CARRIER CORPORATION
Address 336, Tadehara, Fuji-shi, Shizuoka-ken 416-8521 JAPAN
Importer TOSHIBA CARRIER EUROPE S.A.S
Address Route de Thil 01120 Montluel FRANCE

TOSHIBA CARRIER CORPORATION
 MADE IN JAPAN


WARNING	
	ELECTRICAL SHOCK HAZARD
	Disconnect all remote electric power supplies before servicing.

Copy of marking plate: (continued)

Indoor unit: (Compact 4 Way Cassette Type)

TOSHIBA

KLİMA

MODEL **RAV-RM301MUT-TR**

220-240V~ 50Hz

220V~ 60Hz

65 W

15kg

Üretim yılı 2017

SERİ NUMARASI 711A0001

İmalatçı : TOSHIBA CARRIER CORPORATION
Adres : 336, Tadehara, Fuji-shi, Shizuoka-ken
416-8521 JAPAN
İthalatçı : ALARKO CARRIER SANAYİ VE TİCARET A.Ş.
Adres : GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ
SAHABETTİN BİLGİSÜ CAD. 41480
GEBZE-KOCAELİ, TÜRKİYE

TOSHIBA CARRIER CORPORATION
MADE IN JAPAN
ÜRETİM YERİ JAPONYA

**TOSHIBA**

KLİMA

MODEL **RAV-RM401MUT-TR**

220-240V~ 50Hz

220V~ 60Hz

65 W

15kg

Üretim yılı 2017

SERİ NUMARASI 711A0001

İmalatçı : TOSHIBA CARRIER CORPORATION
Adres : 336, Tadehara, Fuji-shi, Shizuoka-ken
416-8521 JAPAN
İthalatçı : ALARKO CARRIER SANAYİ VE TİCARET A.Ş.
Adres : GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ
SAHABETTİN BİLGİSÜ CAD. 41480
GEBZE-KOCAELİ, TÜRKİYE

TOSHIBA CARRIER CORPORATION
MADE IN JAPAN
ÜRETİM YERİ JAPONYA

**TOSHIBA**

KLİMA

MODEL **RAV-RM561MUT-TR**

220-240V~ 50Hz

220V~ 60Hz

65 W

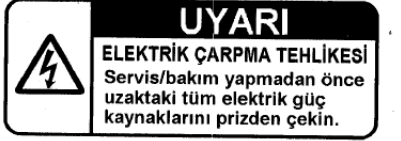
15kg

Üretim yılı 2017

SERİ NUMARASI 711A0001

İmalatçı : TOSHIBA CARRIER CORPORATION
Adres : 336, Tadehara, Fuji-shi, Shizuoka-ken
416-8521 JAPAN
İthalatçı : ALARKO CARRIER SANAYİ VE TİCARET A.Ş.
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SAHABETTİN BİLGİSÜ CAD. 41480
GEBZE-KOCAELİ, TÜRKİYE

TOSHIBA CARRIER CORPORATION
MADE IN JAPAN
ÜRETİM YERİ JAPONYA



Copy of marking plate: (continued)

Indoor unit: (Smart 4 Way Cassette Type)

TOSHIBA

AIR CONDITIONER


MODEL RAV-GM561UT-E
 220-240V~ 50Hz
 220V~ 60Hz
 80 W
 20kg

PRODUCTION YEAR 2017

SERIAL NO. 711A0001

Manufacturer TOSHIBA CARRIER CORPORATION
Address 336, Tadehara, Fuji-shi, Shizuoka-ken 416-8521 JAPAN
Importer TOSHIBA CARRIER EUROPE S.A.S
Address Route de Thil 01120 Montluel FRANCE

TOSHIBA CARRIER CORPORATION
 MADE IN JAPAN


	WARNING
	ELECTRICAL SHOCK HAZARD Disconnect all remote electric power supplies before servicing.

TOSHIBA

AIR CONDITIONER


MODEL RAV-GM801UT-E
 220-240V~ 50Hz
 220V~ 60Hz
 135 W
 25kg

PRODUCTION YEAR 2017

SERIAL NO. 711A0001

Manufacturer TOSHIBA CARRIER CORPORATION
Address 336, Tadehara, Fuji-shi, Shizuoka-ken 416-8521 JAPAN
Importer TOSHIBA CARRIER EUROPE S.A.S
Address Route de Thil 01120 Montluel FRANCE

TOSHIBA CARRIER CORPORATION
 MADE IN JAPAN


	WARNING
	ELECTRICAL SHOCK HAZARD Disconnect all remote electric power supplies before servicing.

Copy of marking plate: (continued)

Indoor unit: (Smart 4 Way Cassette Type)

TOSHIBA

KLİMA

MODEL **RAV-GM561UT-TR**
220-240V~ 50Hz
220V~ 60Hz
80 W
20kg

Üretim yılı 2017

SERİ NUMARASI 711A0001

İmalatçı : TOSHIBA CARRIER CORPORATION
Adres : 336, Tadehara, Fuji-shi, Shizuoka-ken
416-8521 JAPAN
İthalatçı : ALARKO CARRIER SANAYİ VE TİCARET A.S.
Adres : GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ
SAHABETTİN BİLGİSÜ CAD. 41480
GEBZE-KOCAELİ, TÜRKİYE

TOSHIBA CARRIER CORPORATION
MADE IN JAPAN
ÜRETİM YERİ JAPONYA

UYARI
ELEKTRİK ÇARPMA TEHLİKESİ
Servis/bakım yapmadan önce
uzaktaki tüm elektrik güç
kaynaklarını prizden çekin.

TOSHIBA

KLİMA

MODEL **RAV-GM801UT-TR**
220-240V~ 50Hz
220V~ 60Hz
135 W
25kg

Üretim yılı 2017

SERİ NUMARASI 711A0001

İmalatçı : TOSHIBA CARRIER CORPORATION
Adres : 336, Tadehara, Fuji-shi, Shizuoka-ken
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SAHABETTİN BİLGİSÜ CAD. 41480
GEBZE-KOCAELİ, TÜRKİYE

TOSHIBA CARRIER CORPORATION
MADE IN JAPAN
ÜRETİM YERİ JAPONYA

UYARI
ELEKTRİK ÇARPMA TEHLİKESİ
Servis/bakım yapmadan önce
uzaktaki tüm elektrik güç
kaynaklarını prizden çekin.

Copy of marking plate: (continued)

Indoor unit: (Slim duct Type)

TOSHIBA

AIR CONDITIONER

 MODEL **RAV-RM301SDT-E**


 220-240V~ 50Hz
 220V~ 60Hz
 80 W
 22kg

PRODUCTION YEAR 2017

SERIAL NO. 711A0001

Manufacturer TOSHIBA CARRIER CORPORATION
Address 336, Tadehara, Fuji-shi, Shizuoka-ken 416-8521 JAPAN
Importer TOSHIBA CARRIER EUROPE S.A.S
Address Route de Thil 01120 Montluel FRANCE

TOSHIBA CARRIER CORPORATION
 MADE IN JAPAN


	WARNING
	ELECTRICAL SHOCK HAZARD Disconnect all remote electric power supplies before servicing.

TOSHIBA

AIR CONDITIONER

 MODEL **RAV-RM401SDT-E**


 220-240V~ 50Hz
 220V~ 60Hz
 80 W
 22kg

PRODUCTION YEAR 2017

SERIAL NO. 711A0001

Manufacturer TOSHIBA CARRIER CORPORATION
Address 336, Tadehara, Fuji-shi, Shizuoka-ken 416-8521 JAPAN
Importer TOSHIBA CARRIER EUROPE S.A.S
Address Route de Thil 01120 Montluel FRANCE

TOSHIBA CARRIER CORPORATION
 MADE IN JAPAN


	WARNING
	ELECTRICAL SHOCK HAZARD Disconnect all remote electric power supplies before servicing.

TOSHIBA

AIR CONDITIONER

 MODEL **RAV-RM561SDT-E**


 220-240V~ 50Hz
 220V~ 60Hz
 80 W
 22kg

PRODUCTION YEAR 2017

SERIAL NO. 711A0001

Manufacturer TOSHIBA CARRIER CORPORATION
Address 336, Tadehara, Fuji-shi, Shizuoka-ken 416-8521 JAPAN
Importer TOSHIBA CARRIER EUROPE S.A.S
Address Route de Thil 01120 Montluel FRANCE

TOSHIBA CARRIER CORPORATION
 MADE IN JAPAN


	WARNING
	ELECTRICAL SHOCK HAZARD Disconnect all remote electric power supplies before servicing.

Copy of marking plate: (continued)

Indoor unit: (Slim duct Type)

TOSHIBA

KLİMA

 MODEL **RAV-RM301SDT-TR**
 220-240V~ 50Hz
 220V~ 60Hz
 80 W
 22kg

 Üretim yılı **2017**

 SERİ NUMARASI **711A0001**

 İmalatçı : TOSHIBA CARRIER CORPORATION
 Adres : 336, Tadehara, Fuji-shi, Shizuoka-ken
 416-8521 JAPAN
 İthalatçı : ALARKO CARRIER SANAYİ VE TİCARET A.S.
 Adres : GOSB-GEBZE ORGANİZE SANAYİ BÖLGESİ
 SAHABETTİN BİLGİSÜ CAD. 41480
 GEBZE-KOCAELİ, TÜRKİYE

TOSHIBA CARRIER CORPORATION
 MADE IN JAPAN
 ÜRETİM YERİ JAPONYA

UYARI
ELEKTRİK ÇARPMA TEHLİKESİ
 Servis/bakım yapmadan önce
 uzaktaki tüm elektrik güç
 kaynaklarını prizden çekin.

TOSHIBA

KLİMA

 MODEL **RAV-RM401SDT-TR**
 220-240V~ 50Hz
 220V~ 60Hz
 80 W
 22kg

 Üretim yılı **2017**

 SERİ NUMARASI **711A0001**

 İmalatçı : TOSHIBA CARRIER CORPORATION
 Adres : 336, Tadehara, Fuji-shi, Shizuoka-ken
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 SAHABETTİN BİLGİSÜ CAD. 41480
 GEBZE-KOCAELİ, TÜRKİYE

TOSHIBA CARRIER CORPORATION
 MADE IN JAPAN
 ÜRETİM YERİ JAPONYA

UYARI
ELEKTRİK ÇARPMA TEHLİKESİ
 Servis/bakım yapmadan önce
 uzaktaki tüm elektrik güç
 kaynaklarını prizden çekin.

TOSHIBA

KLİMA

 MODEL **RAV-RM561SDT-TR**
 220-240V~ 50Hz
 220V~ 60Hz
 80 W
 22kg

 Üretim yılı **2017**

 SERİ NUMARASI **711A0001**

 İmalatçı : TOSHIBA CARRIER CORPORATION
 Adres : 336, Tadehara, Fuji-shi, Shizuoka-ken
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 GEBZE-KOCAELİ, TÜRKİYE

TOSHIBA CARRIER CORPORATION
 MADE IN JAPAN
 ÜRETİM YERİ JAPONYA

UYARI
ELEKTRİK ÇARPMA TEHLİKESİ
 Servis/bakım yapmadan önce
 uzaktaki tüm elektrik güç
 kaynaklarını prizden çekin.

Copy of marking plate: (continued)

Outdoor unit:

TOSHIBA
AIR CONDITIONER

CE **RAV-GM301ATP-E**
220-240V~50Hz
220V~60Hz
1.55kW

ERAC

R32 0.63kg
4.15/2.21MPa
IPX4

Indoor unit	RAV-RM	301MUT-E	301SDT-E	301KRTP-E
CAPA, COOL HEAT				
WATT, COOL HEAT				
AMP, 50Hz COOL HEAT				
60Hz COOL HEAT				
BER COP				


The production year 2018 29 kg
SERIAL NO. 82100001

Manufacturer Address: TOSHIBA CARRIER (THAILAND) CO.,LTD. 1449 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.

Importer Address: TOSHIBA CARRIER EUROPE S.A.S Route de Thil 91120 Merisval FRANCE

MADE IN THAILAND

REFRIGERANT R32
Contains fluorinated greenhouse gases.



CAUTION

Be sure the following points for installation and service.
Do not use any refrigerant different from the one specified for complement or replacement.

1124152001

TOSHIBA
AIR CONDITIONER

CE **RAV-GM301ATJP-E**
220-240V~50Hz
220V~60Hz
1.55kW

ERAC

R32 0.63kg
4.15/2.21MPa
IPX4

Indoor unit	RAV-RM	301MUT-E	301SDT-E	301KRTP-E
CAPA, COOL HEAT				
WATT, COOL HEAT				
AMP, 50Hz COOL HEAT				
60Hz COOL HEAT				
BER COP				


The production year 2018 29 kg
SERIAL NO. 82100001

Manufacturer Address: TOSHIBA CARRIER (THAILAND) CO.,LTD. 1449 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.

Importer Address: TOSHIBA CARRIER EUROPE S.A.S Route de Thil 91120 Merisval FRANCE

MADE IN THAILAND

REFRIGERANT R32
Contains fluorinated greenhouse gases.



CAUTION

Be sure the following points for installation and service.
Do not use any refrigerant different from the one specified for complement or replacement.

1124152005

TOSHIBA
KLIMA

CE **RAV-GM301ATP-TR**
220-240V~50Hz
220V~60Hz
1.55kW

R32 0.63kg
4.15/2.21MPa
IPX4

İç Ünite	RAV-RM	301MUT-TR	301SDT-TR	301KRTP-TR
KAPASİTE SOĞUTMA ISITMA				
WATT SOĞUTMA ISITMA				
AMP, 50Hz SOĞUTMA ISITMA				
60Hz SOĞUTMA ISITMA				
BER COP				

Üretim yılı 2018 29 kg
SERİ NUMARASI 82100001


24773 sayılı yönetmelik uyarınca bilgi

İthalatçı: TOSHIBA CARRIER (THAILAND) CO.,LTD. Adres : 1449 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.

İthalatçı: ALARKO CARRIER SANAYİ VE TİCARET A.Ş. Adres : GÖSB-GEZE ORGANİZE SANAYİ BÖLGESİ SAHABET'İN BİLGİSU CAD.41480 GEZE-KOCAELİ TÜRKİYE

MADE IN THAILAND ÜRETİM YERİ TAYLAND

SOĞUTUCU AKIŞKAN R32
Florlanmış sera gazları içerir.






DİKKAT

Montaj ve bakım için aşağıdaki koşullara dikkat ediniz.
Beklenen soğutucu akışkandan farklı bir soğutucu akışkan kullanmayınız.

1124152101

Copy of marking plate: (continued)

Outdoor unit :

<p>TOSHIBA AIR CONDITIONER</p> <p>CE EAC</p> <p>RAV-GM401ATP-E 220-240V~50Hz 220V~60Hz 2.07kW</p> <p>R32 0.90kg 4.15/2.21MPa IPX4</p> <table border="1"> <thead> <tr> <th>Indoor unit</th> <th>RAV-PM</th> <th>401MUT-E</th> <th>401SDT-E</th> <th>401CTP-E</th> <th>401KRT-P-E</th> </tr> </thead> <tbody> <tr> <td>CAPA, COOL HEAT</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>WATT, COOL HEAT</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AMP, 50Hz COOL HEAT</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>60Hz COOL HEAT</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>EER COP</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>The production year 2018 34 kg SERIAL NO. 82100001</p> <p>Manufacturer Address: TOSHIBA CARRIER (THAILAND) CO.,LTD. 1449 Moo 5, Bangkadi Industrial Park, Tivanon Road, Bangkok Bangkok, Amphur Muang, Pathumthani 1200, Thailand.</p> <p>Importer Address: TOSHIBA CARRIER EUROPE S.A.S Route de Thil 01120 Montluel FRANCE</p> <p>MADE IN THAILAND</p> <p>REFRIGERANT R32 Contains fluorinated greenhouse gases.</p> <p> CAUTION</p> <p>Be sure the following points for installation and service. Do not use any refrigerant different from the one specified for complement or replacement.</p> <p>1124152002</p>	Indoor unit	RAV-PM	401MUT-E	401SDT-E	401CTP-E	401KRT-P-E	CAPA, COOL HEAT						WATT, COOL HEAT						AMP, 50Hz COOL HEAT						60Hz COOL HEAT						EER COP						<p>TOSHIBA AIR CONDITIONER</p> <p>CE EAC</p> <p>RAV-GM401ATJP-E 220-240V~50Hz 220V~60Hz 2.07kW</p> <p>R32 0.90kg 4.15/2.21MPa IPX4</p> <table border="1"> <thead> <tr> <th>Indoor unit</th> <th>RAV-PM</th> <th>401MUT-E</th> <th>401SDT-E</th> <th>401CTP-E</th> <th>401KRT-P-E</th> </tr> </thead> <tbody> <tr> <td>CAPA, COOL HEAT</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>WATT, COOL HEAT</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AMP, 50Hz COOL HEAT</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>60Hz COOL HEAT</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>EER COP</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>The production year 2018 34 kg SERIAL NO. 82100001</p> <p>Manufacturer Address: TOSHIBA CARRIER (THAILAND) CO.,LTD. 1449 Moo 5, Bangkadi Industrial Park, Tivanon Road, Bangkok Bangkok, Amphur Muang, Pathumthani 1200, Thailand.</p> <p>Importer Address: TOSHIBA CARRIER EUROPE S.A.S Route de Thil 01120 Montluel FRANCE</p> <p>MADE IN THAILAND</p> <p>REFRIGERANT R32 Contains fluorinated greenhouse gases.</p> <p> CAUTION</p> <p>Be sure the following points for installation and service. Do not use any refrigerant different from the one specified for complement or replacement.</p> <p>1124152006</p>	Indoor unit	RAV-PM	401MUT-E	401SDT-E	401CTP-E	401KRT-P-E	CAPA, COOL HEAT						WATT, COOL HEAT						AMP, 50Hz COOL HEAT						60Hz COOL HEAT						EER COP						<p>TOSHIBA KLİMA</p> <p>CE</p> <p>RAV-GM401ATP-TR 220-240V~50Hz 220V~60Hz 2.07kW</p> <p>R32 0.90kg 4.15/2.21MPa IPX4</p> <table border="1"> <thead> <tr> <th>İç Ünite</th> <th>RAV-PM</th> <th>401MUT-TR</th> <th>401SDT-TR</th> <th>401CTP-TR</th> <th>401KRT-P-TR</th> </tr> </thead> <tbody> <tr> <td>KAPASİTE SOĞUTMA ISITMA</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>WATT SOĞUTMA ISITMA</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>AMP, 50Hz SOĞUTMA ISITMA</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>60Hz SOĞUTMA ISITMA</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>EER COP</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Üretim yılı 2018 34 kg SERİ NUMARASI 82100001</p> <p>24773 sayılı yönetmelik uyarınca bilgi İthalatçı: TOSHIBA CARRIER (THAILAND) CO.,LTD. Adres : 1449 Moo 5, Bangkadi Industrial Park, Tivanon Road, Bangkok Bangkok, Amphur Muang, Pathumthani 1200, Thailand.</p> <p>İthalatçı: ALARKO CARRIER SANAYİ VE TİCARET A.Ş. Adres : GÖSB-GEZBE ORGANİZE SANAYİ BÖLGESİ SARAYCIYIN BULGURU CAD. 41480 GEZBE-KOCAELİ TÜRKİYE</p> <p>MADE IN THAILAND ÜRETİM YERİ TAYLAND</p> <p>SOĞUTUCU AKIŞKAN R32 Florlanmış sera gazları içerir.</p> <p> DIKKAT</p> <p>Montaj ve bakım için aşağıdaki koşullara dikkat ediniz. Belirtilen soğutucu akışkandan farklı bir soğutucu akışkan kullanmayınız.</p> <p>1124152102</p>	İç Ünite	RAV-PM	401MUT-TR	401SDT-TR	401CTP-TR	401KRT-P-TR	KAPASİTE SOĞUTMA ISITMA						WATT SOĞUTMA ISITMA						AMP, 50Hz SOĞUTMA ISITMA						60Hz SOĞUTMA ISITMA						EER COP					
Indoor unit	RAV-PM	401MUT-E	401SDT-E	401CTP-E	401KRT-P-E																																																																																																									
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Copy of marking plate: (continued)

Outdoor unit :

TOSHIBA
AIR CONDITIONER

CE 0035 **RAV-GM561ATP-E**
220-240V~50Hz
220V~60Hz
3.00kW

EAC **R32** 0.90kg
4.15/2.21MPa
IPX4

Indoor unit	RAV-RM	SE1MUT-E	SE1SDT-E	SE1UTP-E	SE1CTP-E
CAPA. COOL					
HEAT					
WATT. COOL					
HEAT					
AMP. 50Hz COOL					
HEAT					
60Hz COOL					
HEAT					
EER					
COP					

Indoor unit	RAV-RM	SE1BTP-E	SE1KRT-E
CAPA. COOL			
HEAT			
WATT. COOL			
HEAT			
AMP. 50Hz COOL			
HEAT			
60Hz COOL			
HEAT			
EER			
COP			


The production year 2013 40 kg
SERIAL NO. 43000001

Manufacturer: TOSHIBA CARRIER (THAILAND) CO.,LTD.
Address: 14/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.

Importer Address: TOSHIBA CARRIER EUROPE S.A.S
Route de Thal 01120 Montluel FRANCE

MADE IN THAILAND

REFRIGERANT R32
Contains fluorinated greenhouse gases.



CAUTION

Be sure the following points for installation and service.
Do not use any refrigerant different from the one specified for complement or replacement.

1124152003

TOSHIBA
AIR CONDITIONER

CE 0035 **RAV-GM561ATJP-E**
220-240V~50Hz
220V~60Hz
3.00kW

EAC **R32** 0.90kg
4.15/2.21MPa
IPX4

Indoor unit	RAV-RM	SE1MUT-E	SE1SDT-E	SE1UTP-E	SE1CTP-E
CAPA. COOL					
HEAT					
WATT. COOL					
HEAT					
AMP. 50Hz COOL					
HEAT					
60Hz COOL					
HEAT					
EER					
COP					

Indoor unit	RAV-RM	SE1BTP-E	SE1KRT-E
CAPA. COOL			
HEAT			
WATT. COOL			
HEAT			
AMP. 50Hz COOL			
HEAT			
60Hz COOL			
HEAT			
EER			
COP			


The production year 2013 40 kg
SERIAL NO. 43000001

Manufacturer: TOSHIBA CARRIER (THAILAND) CO.,LTD.
Address: 14/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.

Importer Address: TOSHIBA CARRIER EUROPE S.A.S
Route de Thal 01120 Montluel FRANCE

MADE IN THAILAND

REFRIGERANT R32
Contains fluorinated greenhouse gases.



CAUTION

Be sure the following points for installation and service.
Do not use any refrigerant different from the one specified for complement or replacement.

1124152007

TOSHIBA
KLİMA

CE 0035 **RAV-GM561ATP-TR**
220-240V~50Hz
220V~60Hz
3.00kW

EAC **R32** 0.90kg
4.15/2.21MPa
IPX4

İç Ünite	RAV-RM	SE1MUT-TR	SE1SDT-TR	SE1UTP-TR	SE1CTP-TR
KAPASİTE SOĞUTMA					
ISITMA					
WATT SOĞUTMA					
ISITMA					
AMP. 50Hz SOĞUTMA					
ISITMA					
60Hz SOĞUTMA					
ISITMA					
EER					
COP					

İç Ünite	RAV-RM	SE1BTP-TR	SE1KRT-TR
KAPASİTE SOĞUTMA			
ISITMA			
WATT SOĞUTMA			
ISITMA			
AMP. 50Hz SOĞUTMA			
ISITMA			
60Hz SOĞUTMA			
ISITMA			
EER			
COP			

Üretim yılı 2014 40 kg
SER NUMARASI 43000001


24773 sayılı yönetmelik uyarınca bilgi

İthalatçı: TOSHIBA CARRIER (THAILAND) CO.,LTD.
Adres : 14/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.

İthalatçı: ALARKO CARRIER SANAYI VE TİCARET A.Ş.
Adres : GÖBİB-GEZEZ ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BİLGİSÜ CAD. 41480 GEZEZ-KOCAELİ TÜRKİYE

MADE IN THAILAND
ÜRETİM YERİ: TAYLAND

SOĞUTUCU AKIŞKAN R32
Florlanmış sera gazları içerir.



DİKKAT

Montaj ve bakım için aşağıdaki koşullara dikkat ediniz.
Belirtilen soğutucu akışkandan farklı bir soğutucu akışkan kullanmayınız.

1124152103

Copy of marking plate: (continued)

Outdoor unit :

TOSHIBA
AIR CONDITIONER
MODEL RAV-GP561ATP-E
 220-240V~
 50Hz
 3.11kW
 13.1A
R32 1.35kg
 4.15/2.21MPa
 (41.5/22.1bar)
IPX4
 45kg

 PRODUCTION YEAR 2019
 SERIAL NO. 82200001

Manufacturer	TOSHIBA CARRIER (THAILAND) CO.,LTD. 1449 Moo 8, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.
Address	
Importer	TOSHIBA CARRIER EUROPE S.A.S Route de Thil 91129 Montluel FRANCE
Address	

TOSHIBA CARRIER (THAILAND) CO.,LTD.
 MADE IN THAILAND

REFRIGERANT R32

Contains fluorinated greenhouse gases.

CAUTION

Be sure the following points for installation and service.

 Do not use any refrigerant different from the one specified for
 complement or replacement.

TOSHIBA
AIR CONDITIONER
MODEL RAV-GP561ATJP-E
 220-240V~
 50Hz
 3.11kW
 13.1A
R32 1.35kg
 4.15/2.21MPa
 (41.5/22.1bar)
IPX4
 45kg

 PRODUCTION YEAR 2019
 SERIAL NO. 82200001

Manufacturer	TOSHIBA CARRIER (THAILAND) CO.,LTD. 1449 Moo 8, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.
Address	
Importer	TOSHIBA CARRIER EUROPE S.A.S Route de Thil 91129 Montluel FRANCE
Address	

TOSHIBA CARRIER (THAILAND) CO.,LTD.
 MADE IN THAILAND

REFRIGERANT R32

Contains fluorinated greenhouse gases.

CAUTION

Be sure the following points for installation and service.

 Do not use any refrigerant different from the one specified for
 complement or replacement.

TOSHIBA
KLİMA
MODEL
RAV-GP561ATP-TR
 220-240V~
 50Hz
 3.11kW
 13.1A
R32 1.35kg
 4.15/2.21MPa
 (41.5/22.1bar)
IPX4
 45kg

 Üretim yılı 2019
 SERI NUMARASI 82200001

İmalatçı :	TOSHIBA CARRIER (THAILAND) CO.,LTD. Adres : 1449 Moo 8, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.
İthalatçı :	ALARKO CARRIER SANAYİ VE TİCARET A.Ş. Adres : GÖSB-GEBZE ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BILGISU CAD. 41480 GEBZE-KOCAELİ, TÜRKİYE

TOSHIBA CARRIER (THAILAND) CO.,LTD.
 MADE IN THAILAND
 ÜRETİM YERİ TAYLAND

SOĞUTUCU AKIŞKAN R32

Florlanmış sera gazları içerir.

DIKKAT

Montaj ve bakım için aşağıdaki koşullara dikkat ediniz.

 Belirtilen soğutucu akışkandan farklı bir soğutucu akışkan
 kullanmayınız.


Copy of marking plate: (continued)

Outdoor unit :


TOSHIBA
AIR CONDITIONER

CE 0035 **RAV-GM801ATP-E**
220-240V~50Hz
220V~60Hz
3.61kW

EAC **R32** 1.30kg
4.15/2.21MPa
IPX4

Indoor unit	RAV-RM	801UTP-E	801CTP-E	801BTP-E	801KRTP-E
CAPA. COOL HEAT					
WATT. COOL HEAT					
AMP. 50Hz HEAT					
AMP. 60Hz COOL HEAT					
EER COP					





The production year 2013 42 kg
SERIAL NO. 43000001



Manufacturer Address	TOSHIBA CARRIER (THAILAND) CO.,LTD. 1449 Moo 8, Bangkadi Industrial Park, Thanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.
Importer Address	TOSHIBA CARRIER EUROPE S.A.S Route de Thil 91120 Montluet FRANCE

MADE IN THAILAND

REFRIGERANT R32
Contains fluorinated greenhouse gases.

CAUTION

Be sure the following points for installation and service.
Do not use any refrigerant different from the one specified for
complement or replacement.

1124152004


TOSHIBA
AIR CONDITIONER

CE 0035 **RAV-GM801ATJP-E**
220-240V~50Hz
220V~60Hz
3.61kW

EAC **R32** 1.30kg
4.15/2.21MPa
IPX4

Indoor unit	RAV-RM	801UTP-E	801CTP-E	801BTP-E	801KRTP-E
CAPA. COOL HEAT					
WATT. COOL HEAT					
AMP. 50Hz COOL HEAT					
AMP. 60Hz COOL HEAT					
EER COP					





The production year 2018 42 kg
SERIAL NO. 82100001



Manufacturer Address	TOSHIBA CARRIER (THAILAND) CO.,LTD. 1449 Moo 8, Bangkadi Industrial Park, Thanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.
Importer Address	TOSHIBA CARRIER EUROPE S.A.S Route de Thil 91120 Montluet FRANCE

MADE IN THAILAND

REFRIGERANT R32
Contains fluorinated greenhouse gases.

CAUTION

Be sure the following points for installation and service.
Do not use any refrigerant different from the one specified for
complement or replacement.

1124152008


TOSHIBA
KLİMA

CE **RAV-GM801ATP-TR**
220-240V~50Hz
220V~60Hz
3.61kW

R32 1.30kg
4.15/2.21MPa
IPX4

İç Ünite	RAV-RM	801UTP-TR	801CTP-TR	801BTP-TR	801KRTP-TR
KAPASİTE SOĞUTMA ISITMA					
WATT SOĞUTMA ISITMA					
AMP. 50Hz SOĞUTMA ISITMA					
AMP. 60Hz SOĞUTMA ISITMA					
EER COP					

Üretim yılı 2018 42 kg
SERİ NUMARASI 82100001







24773 sayılı yönetmelik uyarınca bilgi

İthalatçı	TOSHIBA CARRIER (THAILAND) CO.,LTD. Adres : 1449 Moo 8, Bangkadi Industrial Park, Thanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.
İthalatçı	ALARKO CARRIER SANAYİ VE TİCARET A.Ş. Adres : GÖKSU-GEZBE ORGANİZE SANAYİ BÖLGE Sİ SAHABE TİN BİLGİSU CAD.41480 GEZBE-KOCAELİ TÜRKİYE

MADE IN THAILAND
ÜRETİM YERİ TAYLAND

SOĞUTUCU AKIŞKAN R32
Florlanmış sera gazları içerir.

DİKKAT

Montaj ve bakım için aşağıdaki koşullara dikkat ediniz.
Belirtilen soğutucu akışkandan farklı bir soğutucu akışkan
kullanmayınız.

1124152104

Copy of marking plate: (continued)

Outdoor unit :

TOSHIBA
**AIR CONDITIONER
MODEL**
RAV-GP801AT-E

 220-240V~
50Hz
4.69kW
20.8A
R32 1.9kg
4.15/2.21MPa
IPX4
74kg

 PRODUCTION YEAR 2017
SERIAL NO. 711A0001

Manufacturer	TOSHIBA CARRIER CORPORATION 336, Tadehara, Fuji-shi, Shizuoka-ken 416-8521 JAPAN
Importer	TOSHIBA CARRIER EUROPE S.A.S Route de Thil 01120 Montluel FRANCE

TOSHIBA CARRIER CORPORATION
MADE IN JAPAN

REFRIGERANT R32

Contains fluorinated greenhouse gases.

CAUTION

Be sure the following points for installation and service.

Do not use any refrigerant different from the one specified for complement or replacement.


TOSHIBA
**AIR CONDITIONER
MODEL**
RAV-GP801ATJ-E

 220-240V~
50Hz
4.69kW
20.8A
R32 1.9kg
4.15/2.21MPa
IPX4
74kg

 PRODUCTION YEAR 2017
SERIAL NO. 711A0001

Manufacturer	TOSHIBA CARRIER CORPORATION 336, Tadehara, Fuji-shi, Shizuoka-ken 416-8521 JAPAN
Importer	TOSHIBA CARRIER EUROPE S.A.S Route de Thil 01120 Montluel FRANCE

TOSHIBA CARRIER CORPORATION
MADE IN JAPAN

REFRIGERANT R32

Contains fluorinated greenhouse gases.

CAUTION

Be sure the following points for installation and service.

Do not use any refrigerant different from the one specified for complement or replacement.


TOSHIBA
**KLİMA
MODEL**
RAV-GP801AT-TR

 220-240V~
50Hz
4.69kW
20.8A
R32 1.9kg
4.15/2.21MPa
IPX4
74kg

 Üretim yılı 2017
SERİ NUMARASI 711A0001

İmalatçı :	TOSHIBA CARRIER CORPORATION Adres : 336, Tadehara, Fuji-shi, Shizuoka-ken 416-8521 JAPAN
İthalatçı :	ALARKO CARRIER SANAYİ VE TİCARET A.Ş. Adres : GÖSB-GEBZE ORGANİZE SANAYİ BÖLGESİ SAHABETTİN BİLGİSÜ CAD. 41480 GEBZE-KOCAELİ TÜRKİYE

TOSHIBA CARRIER CORPORATION
MADE IN JAPAN
ÜRETİM YERİ JAPONYA

SOĞUTUCU AKIŞKAN R32

Florlanmış sera gazları içerir.

DİKKAT

Montaj ve bakım için aşağıdaki koşullara dikkat ediniz.

Belirtilen soğutucu akışkandan farklı bir soğutucu akışkan kullanmayınız.



Copy of marking plate: (continued)

Outdoor unit :


TOSHIBA
AIR CONDITIONER

CE 0035 **RAV-GM1101ATP-E**
220-240V~50Hz
220V~60Hz
5.14kW
22.80A
R32 2.10kg
4.15/2.21MPa
IPX4

EAC

Indoor unit	RAV-RM	1101UTP-E	1101STP-E	1101CTP-E
CAPA. COOL				
HEAT				
WATT. COOL				
HEAT				
AMP. 50Hz COOL				
HEAT				
60Hz COOL				
HEAT				
EER				
COP				

The production year 2013 68 kg
SERIAL NO. 43000001







Manufacturer Address	TOSHIBA CARRIER (THAILAND) CO.,LTD. 1449 Moo 5, Bangkadi Industrial Park, Thanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.
Importer Address	TOSHIBA CARRIER EUROPE S.A.S Route de Thi 91120 Montlual FRANCE

MADE IN THAILAND

REFRIGERANT R32
Contains fluorinated greenhouse gases.

Overall efficiency (η)	29.7
Measurement category	A
Efficiency category	static
Efficiency grade at optimum energy efficiency point	First tier(2013/1):36 Second tier(2015/1):40
VSD is integrated within the fan or the VSD must be installed with the fan.	The VSD is integrated within the fan.

CAUTION

Be sure the following points for installation and service.
Do not use any refrigerant different from the one specified for complement or replacement.

1124252001


TOSHIBA
AIR CONDITIONER

CE 0035 **RAV-GM1101ATJP-E**
220-240V~50Hz
220V~60Hz
5.14kW
22.80A
R32 2.10kg
4.15/2.21MPa
IPX4

EAC

Indoor unit	RAV-RM	1101UTP-E	1101STP-E	1101CTP-E
CAPA. COOL				
HEAT				
WATT. COOL				
HEAT				
AMP. 50Hz COOL				
HEAT				
60Hz COOL				
HEAT				
EER				
COP				

The production year 2013 68 kg
SERIAL NO. 43000001







Manufacturer Address	TOSHIBA CARRIER (THAILAND) CO.,LTD. 1449 Moo 5, Bangkadi Industrial Park, Thanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.
Importer Address	TOSHIBA CARRIER EUROPE S.A.S Route de Thi 91120 Montlual FRANCE

MADE IN THAILAND

REFRIGERANT R32
Contains fluorinated greenhouse gases.

Overall efficiency (η)	29.7
Measurement category	A
Efficiency category	static
Efficiency grade at optimum energy efficiency point	First tier(2013/1):36 Second tier(2015/1):40
VSD is integrated within the fan or the VSD must be installed with the fan.	The VSD is integrated within the fan.

CAUTION

Be sure the following points for installation and service.
Do not use any refrigerant different from the one specified for complement or replacement.


1124252003

TOSHIBA
KLİMA

CE 0035 **RAV-GM1101ATP-TR**
220-240V~50Hz
220V~60Hz
5.14 kW
22.80 A
R32 2.10kg
4.15/2.21MPa
IPX4

İç Ünite	RAV-RM	1101UTP-TR	1101BTP-TR	1101CTP-TR
KAPASİTE SOĞUTMA				
ISITMA				
WATT SOĞUTMA				
ISITMA				
AMP. 50Hz SOĞUTMA				
ISITMA				
60Hz SOĞUTMA				
ISITMA				
EER				
COP				

Üretim yılı 2018 68 kg
SERİ NUMARASI 82100001







24773 sayılı yönetmelik uyarınca bilgi

İthalatçı: TOSHIBA CARRIER (THAILAND) CO.,LTD.
Adres : 1449 Moo 5, Bangkadi Industrial Park, Thanon Road,
Tambol Bangkadi, Amphur Muang, Pathumthani 12000,
Thailand.
İthalatçı: ALARKO CARRIER SANAYİ VE TİCARET A.Ş.
Adres : GÖSB-GEZİRE ORGANİZE SANAYİ BÖLGESİ
SAHABETTİN BILGISU CAD.41480 GEBZE-KOCAELİ
TÜRKİYE

MADE IN THAILAND
ÜRETİM YERİ: TAYLAND

SOĞUTUCU AKIŞKAN R32
Floranın iş sera gazları içerir.

DIKKAT

Montaj ve bakım için aşağıdaki koşullara dikkat ediniz.
Belirtilen soğutucu akışkandan farklı bir soğutucu akışkan kullanmayınız.

1124252101

Copy of marking plate: (continued)

Outdoor unit :

TOSHIBA
 AIR CONDITIONER

RAV-GM1401ATP-E
 220-240V ~ 50Hz
 220V ~ 60Hz
 5.14kW
 22.80A
R32 2.10kg
 4.15/2.21MPa
IPX4

Indoor unit	RAV-RM	1401UTP-E	1401STP-E	1401CTP-E
CAPA, COOL				
HEAT				
WATT, COOL				
HEAT				
AMP.	50Hz: COOL			
	HEAT			
60Hz: COOL	HEAT			
	HEAT			
EER				
COP				

 The production year 2013 66 kg
 SERIAL NO. 43000001

Manufacturer Address	TOSHIBA CARRIER (THAILAND) CO.LTD. 1449 Moo 5, Bangkadi Industrial Park, Thanon Road, Tambol Bangkokdi, Amphur Muang, Pathumthani 12000, Thailand.
Importer Address	TOSHIBA CARRIER EUROPE S.A.S Route de Thiil 01120 Montluel FRANCE

MADE IN THAILAND

REFRIGERANT R32

Contains fluorinated greenhouse gases.

Overall efficiency (η)	29.7
Measurement category	A
Efficiency category	static
Efficiency grade at optimum energy efficiency point	First tier(2013/1):36 Second tier(2016/1):40
VSD is integrated within the fan or the VSD must be installed with the fan.	The VSD is integrated within the fan.


CAUTION

 Be sure the following points for installation and service.
 Do not use any refrigerant different from the one specified for complement or replacement.

1124252002

TOSHIBA
 AIR CONDITIONER

RAV-GM1401ATJP-E
 220-240V ~ 50Hz
 220V ~ 60Hz
 5.14kW
 22.80A
R32 2.10kg
 4.15/2.21MPa
IPX4

Indoor unit	RAV-RM	1401UTP-E	1401STP-E	1401CTP-E
CAPA, COOL				
HEAT				
WATT, COOL				
HEAT				
AMP.	50Hz: COOL			
	HEAT			
60Hz: COOL	HEAT			
	HEAT			
EER				
COP				

 The production year 2018 66 kg
 SERIAL NO. 82100001

Manufacturer Address	TOSHIBA CARRIER (THAILAND) CO.LTD. 1449 Moo 5, Bangkadi Industrial Park, Thanon Road, Tambol Bangkokdi, Amphur Muang, Pathumthani 12000, Thailand.
Importer Address	TOSHIBA CARRIER EUROPE S.A.S Route de Thiil 01120 Montluel FRANCE

MADE IN THAILAND

REFRIGERANT R32

Contains fluorinated greenhouse gases.

Overall efficiency (η)	29.7
Measurement category	A
Efficiency category	static
Efficiency grade at optimum energy efficiency point	First tier(2013/1):36 Second tier(2016/1):40
VSD is integrated within the fan or the VSD must be installed with the fan.	The VSD is integrated within the fan.


CAUTION

 Be sure the following points for installation and service.
 Do not use any refrigerant different from the one specified for complement or replacement.

1124252004

TOSHIBA

KLIMA


RAV-GM1401ATP-TR
 220-240V ~ 50Hz
 220V ~ 60Hz
 5.14 kW
 22.80 A
R32 2.10kg
 4.15/2.21MPa
IPX4

İç Ünite	RAV-RM	1401UTP-TR	1401STP-TR	1401CTP-TR
KAPASİTE				
SOĞUTMA				
ISITMA				
WATT				
AMP.	50Hz: SOĞUTMA			
	ISITMA			
60Hz: SOĞUTMA	ISITMA			
	ISITMA			
EER				
COP				

 Üretim yılı 2018 66 kg
 SERİ NUMARASI 82100001

24773 sayılı yönetmelik uyarınca bilgi

 İthalatçı : TOSHIBA CARRIER (THAILAND) CO.LTD.
 Adres : 1449 Moo 5, Bangkadi Industrial Park, Thanon Road,
 Tambol Bangkokdi, Amphur Muang, Pathumthani 12000,
 Thailand.
 İthalatçı : ALARKO CARRIER SANAYİ VE TİCARET A.Ş.
 Adres : GÖSB-GEZE ORGANİZE SANAYİ BÖLGESİ
 SAHABETTİN BİLGİSÜ CAD. 41480 GEBZE-KOCAELİ,
 TÜRKİYE

 MADE IN THAILAND
 ÜRETİM YERİ TAYLAND

SOĞUTUCU AKIŞKAN R32

Florlanmış sera gazları içerir.


DİKKAT

 Montaj ve bakım için aşağıdaki koşullara dikkat ediniz.
 Belirtilen soğutucu akışkandan farklı bir soğutucu akışkan kullanmayınız.

1124252102

Copy of marking plate: (continued)

Outdoor unit :


TOSHIBA
AIR CONDITIONER

CE 0035 **RAV-GM1101AT8P-E**
380-415V 3N~60Hz
380V 3N~60Hz
6.20kW
14.10A
R32 2.10kg
4.15/2.21MPa
IPX4

EAC

Indoor unit	RAV-RM	110IUTP-E	110IBTP-E	110ICTP-E
CAPA. COOL				
HEAT				
WATT. COOL				
HEAT				
AMP. 50Hz				
COOL				
HEAT				
60Hz				
COOL				
HEAT				
EER				
COP				

The production year 2018 68 kg
SERIAL NO. 82100001







Manufacturer	TOSHIBA CARRIER (THAILAND) CO.,LTD. 1449 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.
Address	
Importer	TOSHIBA CARRIER EUROPE S.A.S Route de Thi 01120 Monbail FRANCE
Address	

MADE IN THAILAND

REFRIGERANT R32
Contains fluorinated greenhouse gases.

Overall efficiency (η)	29.7
Measurement category	A
Efficiency category	static
Efficiency grade at optimum energy efficiency point	First tier(2013/):36 Second tier(2015/):40
VSD is integrated within the fan or the VSD must be installed with the fan.	The VSD is integrated within the fan.

CAUTION

Be sure the following points for installation and service.
Do not use any refrigerant different from the one specified for complement or replacement.

1124252201


TOSHIBA
AIR CONDITIONER

CE 0035 **RAV-GM1101AT8JP-E**
380-415V 3N~60Hz
380V 3N~60Hz
6.20kW
14.10A
R32 2.10kg
4.15/2.21MPa
IPX4

EAC

Indoor unit	RAV-RM	110IUTP-E	110IBTP-E	110ICTP-E
CAPA. COOL				
HEAT				
WATT. COOL				
HEAT				
AMP. 50Hz				
COOL				
HEAT				
60Hz				
COOL				
HEAT				
EER				
COP				

The production year 2018 68 kg
SERIAL NO. 82100001







Manufacturer	TOSHIBA CARRIER (THAILAND) CO.,LTD. 1449 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand.
Address	
Importer	TOSHIBA CARRIER EUROPE S.A.S Route de Thi 01120 Monbail FRANCE
Address	

MADE IN THAILAND

REFRIGERANT R32
Contains fluorinated greenhouse gases.

Overall efficiency (η)	29.7
Measurement category	A
Efficiency category	static
Efficiency grade at optimum energy efficiency point	First tier(2013/):36 Second tier(2015/):40
VSD is integrated within the fan or the VSD must be installed with the fan.	The VSD is integrated within the fan.

CAUTION

Be sure the following points for installation and service.
Do not use any refrigerant different from the one specified for complement or replacement.


1124252203

TOSHIBA
KLİMA

CE 0035 **RAV-GM1101AT8P-TR**
380-415V 3N~60Hz
380V 3N~60Hz
6.20kW
14.10A
R32 2.10kg
4.15/2.21MPa
IPX4

İç Ünite	RAV-RM	110IUTP-TR	110IBTP-TR	110ICTP-TR
KAPASİTE				
SOĞUTMA				
İSTİMA				
WATT				
SOĞUTMA				
İSTİMA				
AMP. 50Hz				
SOĞUTMA				
İSTİMA				
60Hz				
SOĞUTMA				
İSTİMA				
EER				
COP				

Üretim yılı 2018 68 kg
SERİ NUMARASI 82100001







24773 sayılı yönetmelik uyarınca bilgi

İmalatçı : TOSHIBA CARRIER (THAILAND) CO.,LTD.
Adres : 1449 Moo 5, Bangkadi Industrial Park, Tivanon Road,
Tambol Bangkadi, Amphur Muang, Pathumthani 12000,
Thailand.
İthalatçı : ALARKO CARRIER SANAYİ VE TİCARET A.Ş.
Adres : GÖKSÜ GÖZDE ORGANİZE SANAYİ BÖLGESİ
SAHABE TİN BILGISU CAD.41480 GEBZE-KOCAELİ
TÜRKİYE

MADE IN THAILAND
ÜRETİM YERİ TAYLAND

SOĞUTUCU AKIŞKAN R32
Floranın iş sera gazları içerir.

DİKKAT

Montaj ve bakım için aşağıdaki koşullara dikkat ediniz.
Belirtilen soğutucu akışkandan farklı bir soğutucu akışkan kullanmayınız.

1124252301

Copy of marking plate: (continued)
Outdoor unit:

TOSHIBA
AIR CONDITIONER

CE 0035
ERAC

RAV-GM1401AT8P-E
380-415V 3N~50Hz
380V 3N~60Hz
6.20kW
14.10A
R32 2.10kg
4.15/2.21MPa
IPX4

Indoor unit	RAV-RM	1401UTP-E	1401BTP-E	1401CTP-E
CAPA, COOL				
HEAT				
WATT, COOL				
HEAT				
AMP, 50Hz				
COOL				
HEAT				
60Hz				
COOL				
HEAT				
EER				
COP				

The production year 2018 66 kg
SERIAL NO. 82100001


Manufacturer Address: **TOSHIBA CARRIER (THAILAND) CO.LTD.**
1449 Moo 5, Bangkadi Industrial Park, Tivanon Road,
Tambol Bangkadi, Amphur Muang, Pathumthani 12000,
Thailand.

Importer Address: **TOSHIBA CARRIER EUROPE S.A.S**
Route de Thiil
01120 Montluel FRANCE

MADE IN THAILAND

REFRIGERANT R32
Contains fluorinated greenhouse gases.

Overall efficiency (s)	29.7
Measurement category	A
Efficiency category	static
Efficiency grade at optimum energy efficiency point	First tier(2013/1): 36 Second tier(2015/1): 40
VSD is integrated within the fan or the VSD must be installed with the fan.	The VSD is integrated within the fan.



CAUTION

Be sure the following points for installation and service.
Do not use any refrigerant different from the one specified for complement or replacement.

1124252202

TOSHIBA
AIR CONDITIONER

CE 0035
ERAC

RAV-GM1401AT8JP-E
380-415V 3N~50Hz
380V 3N~60Hz
6.20kW
14.10A
R32 2.10kg
4.15/2.21MPa
IPX4

Indoor unit	RAV-RM	1401UTP-E	1401BTP-E	1401CTP-E
CAPA, COOL				
HEAT				
WATT, COOL				
HEAT				
AMP, 50Hz				
COOL				
HEAT				
60Hz				
COOL				
HEAT				
EER				
COP				

The production year 2018 66 kg
SERIAL NO. 82100001


Manufacturer Address: **TOSHIBA CARRIER (THAILAND) CO.LTD.**
1449 Moo 5, Bangkadi Industrial Park, Tivanon Road,
Tambol Bangkadi, Amphur Muang, Pathumthani 12000,
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MADE IN THAILAND

REFRIGERANT R32
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Efficiency category	static
Efficiency grade at optimum energy efficiency point	First tier(2013/1): 36 Second tier(2015/1): 40
VSD is integrated within the fan or the VSD must be installed with the fan.	The VSD is integrated within the fan.



CAUTION

Be sure the following points for installation and service.
Do not use any refrigerant different from the one specified for complement or replacement.

1124252204

TOSHIBA
KLİMA

CE 0035

RAV-GM1401AT8P-TR
380-415V 3N~50Hz
380V 3N~60Hz
6.20kW
14.10A
R32 2.10kg
4.15/2.21MPa
IPX4

İç Ünite	RAV-RM	1401UTP-TR	1401BTP-TR	1401CTP-TR
KAPASİTE				
SOĞUTMA				
ISITMA				
WATT				
SOĞUTMA				
ISITMA				
AMP, 50Hz				
SOĞUTMA				
ISITMA				
60Hz				
SOĞUTMA				
ISITMA				
EER				
COP				

Üretim yılı 2018 66 kg
SERI NUMARASI 82100001


24773 sayılı yönetmelik uyarınca bilgi

İmalatçı: **TOSHIBA CARRIER (THAILAND) CO.LTD.**
Adres : 1449 Moo 5, Bangkadi Industrial Park, Tivanon Road,
Tambol Bangkadi, Amphur Muang, Pathumthani 12000,
Thailand.

İthalatçı: **ALASRO CARRIER SANAYİ VE TİCARET A.Ş.**
Adres : GÖSB-GEZBE ORGANİZE SANAYİ BÖLGESİ
SİHABETTİN BILGISU CAD. 41485 GEZBE-KOCAELİ,
TÜRKİYE

MADE IN THAILAND
ÜRETİM YERİ TAYLAND

SOĞUTUCU AKIŞKAN R32
Florlanmış sera gazları içerir.



DIKKAT

Montaj ve bakım için aşağıdaki koşullara dikkat ediniz.
Belirtilen soğutucu akışkandan farklı bir soğutucu akışkan kullanmayınız.

1124252302

Test item particulars	
Classification of installation and use	Class I, Fixed appliance
Supply Connection	Fixed wiring connection
.....	
Possible test case verdicts:	
- test case does not apply to the test object: N/A	
- test object does meet the requirement.....: P (Pass)	
- test object does not meet the requirement: F (Fail)	
Testing	
Date of receipt of test item	2017.11.24
Date (s) of performance of tests	2017.11.27-2018.02.19
General remarks:	
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.	
Throughout this report a <input type="checkbox"/> comma / <input checked="" type="checkbox"/> point is used as the decimal separator.	
Manufacturer's Declaration per sub-clause 4.2.5 of IEC 60335-1:	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided.....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Not applicable
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies)	1. Toshiba Carrier Corporation Fuji Factory & Engineering Center 336, Tadehara, Fuji-shi, Shizuoka 416-8521 Japan 2. Toshiba Carrier (Thailand) Co., Ltd. 144/9 Moo 5, Bangkadi Industrial Park, Tivanon Road, Tambol Bangkadi, Amphur Muang, Pathumthani 12000, Thailand

General product information:

The appliances covered by this report are split type air conditioners for cooling and heating modes. They are class I appliances.

Cooling and heating modes are applied by reverse cycle method (no additional heating elements).

Each system consists of indoor and outdoor unit. The indoor units are Hi-wall, Compact 4 Way Cassette, Smart 4 Way Cassette, Slim duct type air conditioner.

The Outdoor units are provided with terminals for connection to supply main by fixed wires and also terminals for connection to indoor units.

The main power is supplied by a single-phase, 3-pole power supply cable (including PE). Outdoor and indoor parts are connected by interconnection cable.

The indoor unit is equipped with a wired remote control unit and infrared wireless battery powered remote control unit.

The refrigerant of R32 is used in this air conditioner and refrigerant charge see page 12 -21.

Difference between the models:

Indoor Unit Rating 220-240V, 50Hz 220V, 60Hz	Type	Type	Power input	PCB	Fan motor
RAV-RM301KRTP-E RAV-RM301KRTP-TR	Hi-wall	1.0HP	40W	MCC-1696	ICF-340-30-6
RAV-RM401KRTP-E RAV-RM401KRTP-TR		1.5HP			
RAV-RM561KRTP-E RAV-RM561KRTP-TR		2.0HP	55W		
RAV-RM801KRTP-E RAV-RM801KRTP-TR		3.0HP			
RAV-RM301MUT-E RAV-RM301MUT-TR	Compact 4 Way Cassette	1.0HP	65W	MCC-1643	ICF-340D60-1
RAV-RM401MUT-E RAV-RM401MUT-TR		1.5HP			
RAV-RM561MUT-E RAV-RM561MUT-TR		2.0HP			
RAV-GM561UT-E RAV-GM561UT-TR	Smart 4 Way Cassette	3.0HP	80W		
RAV-GM801UT-E RAV-GM801UT-TR			135W		
RAV-RM301SDT-E RAV-RM301SDT-TR	Slim duct	1.0HP	80W	MCC-1570	SWF-280-60-3
RAV-RM401SDT-E RAV-RM401SDT-TR		1.5HP			
RAV-RM561SDT-E RAV-RM561SDT-TR		2.0HP			

General product information: (continued)

Outdoor Unit	Rating	Type	Power input	PCB	Fan motor	Compressor
RAV-GM301ATP-E RAV-GM301ATJP-E RAV-GM301ATP-TR	220-240V, 50Hz 220V, 60Hz 1 Phase	1.0HP	1.55kW	WP-030	WDF-340-A43-1 alternative ICF-140-43-4R	KSK89D53UFZ
RAV-GM401ATP-E RAV-GM401ATJP-E RAV-GM401ATP-TR		1.5HP	2.07kW			KTN130D30UFZ
RAV-GM561ATP-E RAV-GM561ATJP-E RAV-GM561ATP-TR		2.0HP	3.00kW	MCC-1645		DX150A1T-20F
RAV-GM801ATP-E RAV-GM801ATJP-E RAV-GM801ATP-TR		3.0HP	3.61kW			DX150A1T-20F
RAV-GP561ATP-E RAV-GP561ATJP-E RAV-GP561ATP-TR	220-240V, 50Hz 1 Phase	2.0HP	3.11kW	MCC-1713	ICF-280-A60-1	DX150A1T-21F
RAV-GP801AT-E RAV-GP801ATJ-E RAV-GP801AT-TR		3.0HP	4.69kW	MCC-1705		NX220A1F-20N
RAV-GM1101ATP-E RAV-GM1101ATJP-E RAV-GM1101ATP-TR	220-240V, 50Hz 220V, 60Hz 1 Phase	4.0HP	5.14kW	MCC-1648	WDF-340-A100-1 alternative ICF-280-A100-1	DX330A2T-20M
RAV-GM1401ATP-E RAV-GM1401ATJP-E RAV-GM1401ATP-TR		5.0HP				
RAV-GM1101AT8P-E RAV-GM1101AT8JP-E RAV-GM1101AT8P-TR	380-415V, 50Hz 380V, 60Hz 3 Phase	4.0HP	6.20kW	MCC-1626, MCC-1627		RX330A2T-20M
RAV-GM1401AT8P-E RAV-GM1401AT8JP-E RAV-GM1401AT8P-TR		5.0HP				

Difference between model RAV-RM301KRTP-E and RAV-RM301KRTP-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-RM401KRTP-E and RAV-RM401KRTP-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-RM561KRTP-E and RAV-RM561KRTP-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-RM801KRTP-E and RAV-RM801KRTP-TR are the same construction except model name identification for marketing purpose.

General product information: (continued)

Difference between model RAV-RM301MUT-E and RAV-RM301MUT-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-RM401MUT-E and RAV-RM401MUT-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-RM561MUT-E and RAV-RM561MUT-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-GM561UT-E and RAV-GM561UT-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-GM801UT-E and RAV-GM801UT-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-RM301SDT-E and RAV-RM301SDT-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-RM401SDT-E and RAV-RM401SDT-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-RM561SDT-E and RAV-RM561SDT-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-GM301ATP-E, RAV-GM301ATJP-E and RAV-GM301ATP-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-GM401ATP-E, RAV-GM401ATJP-E and RAV-GM401ATP-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-GM561ATP-E, RAV-GM561ATJP-E and RAV-GM561ATP-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-GP561ATP-E, RAV-GP561ATJP-E and RAV-GP561ATP-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-GM801ATP-E, RAV-GM801ATJP-E and RAV-GM801ATP-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-GP801AT-E, RAV-GP801ATJ-E and RAV-GP801AT-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-GM1101ATP-E, RAV-GM1101ATJP-E and RAV-GM1101ATP-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-GM1401ATP-E, RAV-GM1401ATJP-E and RAV-GM1401ATP-TR are the same construction except model name identification for marketing purpose.

Difference between model RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E and RAV-GM1101AT8P-TR are the same construction except model name identification for marketing purpose.

General product information: (continued)

Difference between model RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E and RAV-GM1401AT8P-TR are the same construction except model name identification for marketing purpose.

The following models were selected as representative samples for testing to represent all models in this report.

- 1.) Indoor unit model RAV-RM301SDT-E matching with outdoor unit model RAV-GM301ATP-E were selected for testing to represent in this report.
- 2.) Indoor unit model RAV-RM401MUT-E matching with outdoor unit model RAV-GM401ATP-E were selected for testing to represent in this report.
- 3.) Indoor unit model RAV-RM561MUT-E matching with outdoor unit model RAV-GP561ATP-E were selected for testing to represent in this report.
- 4.) Indoor unit model RAV-RM801BTP-E matching with outdoor unit model RAV-GM801ATP-E were selected for testing to represent in this report.
- 5.) Indoor unit model RAV-RM801KRTP-E matching with outdoor unit model RAV-GP801AT-E were selected for testing to represent in this report.
- 6.) Indoor unit model RAV-RM1401BTP-E matching with outdoor unit model RAV-GM1401ATP-E were selected for testing to represent in this report.
- 7.) Indoor unit model RAV-RM1401BTP-E matching with outdoor unit model RAV-GM1401AT8P-E were selected for testing to represent in this report.
- 8.) RAV-RM561MUT-E and RAV-GM561ATP-E are tested additionally for clause 10.
- 9.) RAV-RM1101BTP-E and RAV-GM1101ATP-E are tested additionally for clause 10.
- 10.) RAV-RM1101BTP-E and RAV-GM1101AT8P-E are tested additionally for clause 10.

The model RAV-RM801BTP-E, RAV-RM1101BTP-E and RAV-RM1401BTP-E are dummy sample.





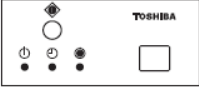





If no other statement, the highest measurement value was filled in this report.

Test performed on production samples without serial number.



If no other statement, the following ambient temperature conditions were kept during the test:

	<u>Maximum Cooling</u>	<u>Minimum Cooling</u>
	D.B./W.B.	D.B./W.B.
Outdoor unit	46°C/-	-10°C/-
Indoor unit	32°C/-	21°C/-
	<u>Maximum Heating</u>	<u>Minimum heating</u>
	D.B./W.B.	D.B./W.B.
Outdoor unit	24°C/-	-20°C /-
Indoor unit	28°C/-	0°C /-

General product information: (Continued)
Options:
Wireless Remote Controller

Model Name	Receiver	Wireless Remote Controller	Used with
TCB-AX32E2	SX-W4NE  Connection via Terminal A B	WH-L11SE 	All indoor units (Excluding Concealed Duct High Static Pressure Type)
RBC-AX32U(W)-E RBC-AX32U(WS)-E	SX-W1NE  Connection via Terminal A B	WH-L11SE 	4-Way Air Discharge cassette Type
RBC-AX33CE	SX-W6NE  Connection via Terminal A B	WH-L11SE 	Ceiling Type
RBC-AX32UM(W)-E	 Connection via connector of CN214 on Indoor unit P.C.Board	WH-L11SE 	Compact 4-Way Air Discharge Cassette Type (RAV-SM**7MUT*, RAV-RM**1MUT*)
RBC-AX41U(W)-E	 Connection via Terminal A B	WH-L11SE 	Smart Cassette Type (4-Way Air Discharge Cassette Type, RAV-GM***UT*)

Wired Remote Controller 1			
< Connected through Indoor Unit Secondary circuit >			
Controller	Model Name	Controller Name	Comment
Wired Remote Controller (Main) 	RBC-AMT32E	SX-A4EE	Connection via Terminal A B
Remote Controller with Weekly Timer 	RBC-AMS41E	SX-A5EE	Connection via Terminal A B
Schedule Timer 	TCB-EXS21TLE	EX-S1SE	Connection via connector of RBC-AMT32E (or TCB-CC163TLE2), Connection via CN61 & Terminal U3 U4
Simple Remote Controller 	RBC-AS41E	SX-U01EE	Connection via Terminal A B
Wired Remote Controller 	RBC-AMS54E-ES	SX-P02BE	Connection via Terminal A B
	RBC-AMS54E-EN	SX-P01BE	
Wired Remote Controller 	RBC-AMS55E-ES	SX-P03CE	Connection via Terminal A B
	RBC-AMS55E-EN	SX-P02CE	
Remote sensor 	TCB-TC41LE	-	Connection via Terminal A B

Wired Remote Controller 2			
Controller	Model Name	Controller Name	Comment
Wired Remote Controller 	RBC-ASC11E	-	Connection via Terminal A B
< With Primary - Secondary circuit > With RBC-AMT32E and MCC-1440 (1:1 model Connection Interface: TCB-PCNT30TLE2)			
Controller	Model Name	Controller Name	Comment
ON-Off Controller 	TCB-CC163TLE2	-	Tested by CB test report 12024505 001 Connection via Terminal U3 U4
Controls			
Model Name	Reference	Used with	
TCB-PCNT30TLE2	1:1 model Connection Interface (with MCC-1440)	All indoor units (Excluding Flexi type)	
TCB-PX30MUE	Connection Interface kit (for TCB-PCNT30TLE2)	Compact 4-Way Air Discharge Cassette Type (RAV-SM**4MUT*) 4-Way Air Discharge Cassette Type 4-Way Smart Cassette Type (RAV-GM***UT*)	
TCB-PX40MUME	Connection Interface kit (for TCB-PCNT30TLE2)	Compact 4-Way Air Discharge Cassette Type (RAV-SM**7MUT*, RAV-RM**1MUT*)	
TCB-IFCB-4E2	Remote Location ON/OFF Control Box (with MCC-1528)	All indoor units (Excluding Flexi type)	
TCB-PCOS1E2	Application Control Kit (with MCC-1522)	DI outdoor unit (Excluding SM56-SM140) SDI outdoor unit (GP56-GP140)	
TCB-PCUC1E(-1)	Application Control Kit	Ceiling Type Concealed Duct High Static Pressure Type (RAV-SM2244DTP*, SM2804DTP) Compact 4-Way Air Discharge Cassette Type (RAV-SM**7MUT*, RAV-RM**1MUT*) Smart Cassette Type (4-Way Air Discharge Cassette Type, RAV-GM***UT*)	

Others		
Model Name	Reference	Used with
RBC-U31PGP(W)-E	Ceiling panel(Standard panel, white)	4-Way Air Discharge cassette Type
RBC-U31PGP(WS)-E	Ceiling panel(Standard panel white & grey color)	4-Way Air Discharge cassette Type
RBC-U31PGSP(W)-E	Ceiling panel (Straight louver, white)	4-Way Air Discharge cassette Type
RBC-U31PGSP(WS)-E	Ceiling panel (Straight louver,white & grey color)	4-Way Air Discharge cassette Type
RBC-UM11PG(W)-E	Ceiling panel	Compact 4-Way Air Discharge Cassette Type (RAV-SM**4MUT*)
RBC-UM21PG(W)-E	Ceiling panel	Compact 4-Way Air Discharge Cassette Type (RAV-SM**7MUT*, RAV-RM**1MUT*)
RBC-U41PG(W)-E	Ceiling panel	Smart Cassette Type (4-Way Air Discharge Cassette Type, RAV-GM***UT*)
TCB-DP40DPE	Drain Pump Kit	Concealed Duct High Static Pressure Type (RAV-SM2244DTP*, SM2804DTP*)
TCB-DP31CE	Drain Pump Kit	Ceiling Type
TCB-SIR41UM-E	Occupancy sensor	Compact 4-Way Air Discharge Cassette Type (RAV-SM**7MUT*, RAV-RM**1MUT*)
TCB-SIR41U-E	Occupancy sensor	Smart Cassette Type (4-Way Air Discharge Cassette Type, RAV-GM***UT*)

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
5	GENERAL CONDITIONS FOR THE TESTS		P
	Tests performed according to clause 5, e.g. nature of supply, sequence of testing, etc.		P
5.2	Tests of clause 21 carried out on separate samples. Tests of clauses 11, 19 and 21 require pressure measurements made at various points in refrigerating system (IEC 60335-2-40 (ed.5))		P
	At least one additional specially prepared sample required for tests of annex FF (Leak simulation tests) (IEC 60335-2-40 (ed.5))		N/A
	Temperatures on refrigerant piping measured during test of clause 11 (IEC 60335-2-40 (ed.5))		P
5.6	Appropriate controls rendered inoperative during test (IEC 60335-2-40 (ed.5))		P
5.7	Tests of clauses 10 and 11 carried out under most severe operating conditions within operating temperature range specified by manufacturer. Annex AA provide examples of such temperature conditions (IEC 60335-2-40 (ed.5))		P
5.10	For split-package units, refrigerant lines installed in accordance with installation instructions (IEC 60335-2-40 (ed.5))		P
	Length of pipe is between 5 m and 7,5 m. (IEC 60335-2-40 (ed.5))		P
	Thermal insulation of refrigerant lines applied in accordance with installation instructions (IEC 60335-2-40 (ed.5))		P
5.101	Motor-compressor subjected to relevant test of clause 19 of IEC 60335-2-34, unless (IEC 60335-2-40 (ed.5))		P
	motor-compressor comply with that standard (IEC 60335-2-40 (ed.5))		N/A
5.102	Motor-compressors tested and comply with IEC 60335-2-34 need not additionally tested for clause 21 (IEC 60335-2-40 (ed.5))		N/A
6	CLASSIFICATION		P
6.1	Protection against electric shock: Class I, II, III (IEC 60335-2-40 (ed.5))	Class I	P
6.2	Protection against harmful ingress of water, IP degree in accordance with IEC 60529 (IEC 60335-2-40 (ed.5))		P
	- appliances or parts intended for outdoor use be at least IPX4 (IEC 60335-2-40 (ed.5));	IPX4, outdoor unit	P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	- appliances intended only for indoor use (excluding laundry rooms) be IPX0 (IEC 60335-2-40 (ed.5));	IPX0, indoor unit	P
	- appliances intended to be used in laundry rooms be at least IPX1 (IEC 60335-2-40 (ed.5)).	No such appliance	N/A
6.101	Degree of accessibility (accessible/not accessible to the general public) (IEC 60335-2-40 (ed.5))	Accessible to general public	P
7	MARKING AND INSTRUCTIONS		P
7.1	Rated voltage or voltage range (V)	See page 2	P
	Symbol for nature of supply including number of phases, unless for single phase operation (IEC 60335-2-40 (ed.5))	~	P
	Rated frequency (Hz)	See page 2	P
	Rated power input (W), or	See page 23-24	P
	Rated current (A)	See page 15,17-21	P
	Manufacturer's or responsible vendor's name, trademark or identification mark.....	TOSHIBA	P
	Model or type reference	See page 23-24	P
	Symbol IEC 60417-5172, for class II appliances	No such appliance	N/A
	IP number, other than IPX0.....	IPX4, outdoor unit	P
	Symbol IEC 60417-5180, for class III appliances, unless	No such appliance	N/A
	the appliance is operated by batteries only		N/A
	Symbol IEC 60417-5018, for class II and class III appliances incorporating a functional earth (IEC 60335-1:2010 (ed.5) ,am1)		N/A
	Symbol IEC 60417-5036, for the enclosure of electrically-operated water valves in external hose-sets for connection of an appliance to the water mains, if the working voltage exceeds extra-low voltage		N/A
	Refrigerant charge (IEC 60335-1:2010 (ed.5) ,am1)	See page 12-21	P
	Refrigerant as designated under ISO 817 or ANSI/ASHRAE 34 (IEC 60335-1:2010 (ed.5) ,am1)	R32	P
	Permissible excessive operating pressure for sanitary hot water heat pumps (IEC 60335-2-40 (ed.5))	No such construction	N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Maximum operating pressure in the water and/or brine for the heat exchanger for hydronic fan coil units (IEC 60335-1:2010 (ed.5) ,am1).....:	No such construction	N/A
	Maximum operating pressure for the refrigerant circuit; if the permissible excessive operating pressure for the suction and discharge side differ, a separate indication is required; (IEC 60335-2-40 (ed.5))	High-pressure side: 4.15MPa Low-pressure side: 2.21MPa	P
	Symbol for degree of protection against ingress of water, other than IPX0 (IEC 60335-2-40 (ed.5)) ...:	IPX4 (outdoor unit)	P
	Separate marking of appliances with all rated characteristics of supplementary heaters (IEC 60335-2-40 (ed.5))	No such supplementary heater	N/A
	Marking of direction of fluid flow (IEC 60335-2-40 (ed.5))	It is evident from the design	N/A
	Flame symbol and instruction manual symbol of 7.6 visible when flammable refrigerant employed and following conditions exist (IEC 60335-2-40 (ed.5)):		P
	- accessing parts expected to be subjected to maintenance or repair (IEC 60335-2-40 (ed.5));		P
	- observing appliance under sale or installed conditions (IEC 60335-2-40 (ed.5));		P
	- observing appliance packaging, if appliance charged with refrigerant (IEC 60335-2-40 (ed.5)).		P
	If a flammable refrigerant is used, the symbols for "read operator's manual", "operator's manual; operating instructions" and "service indicator; read technical manual" (symbols ISO 7000-0790 (2004-01), ISO-7000-1641 (2004-01) and ISO 7000-1659 (2004-01)) shall be placed on the appliance in a location visible to the persons required to know the information. The perpendicular height shall be at least 10 mm. (IEC 60335-2-40 (ed.5))		P
	Additional warning symbol (flame symbol: W021 of ISO 7010) placed on nameplate of unit near declaration of refrigerant type and charge information. Perpendicular height be at least 10 mm, and symbol need not be in colour (IEC 60335-2-40 (ed.5))		P
	When installed, the marking should be visible after removing a detachable part (IEC 60335-2-40 (ed.5))		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Following warning also applied to appliance when flammable refrigerant employed. WARNING Appliance shall be installed, operated and stored in a room with a floor area larger than 'X' m ² (only applies to appliances that are not fixed appliances) (IEC 60335-2-40 (ed.5))		N/A
	Not fixed appliances, minimum room size X specified on appliance. X in marking determined in m ² according to Clause GG.2 for unventilated areas and the X in the marking shall not be required if the refrigerant charge (m _c) of the appliance is up to m ₁ according to GG.1.1. (IEC 60335-2-40 (ed.5), am1)		N/A
	Maximum allowable pressure for low-pressure side and high-pressure side marked on product (IEC 60335-2-40 (ed.5))	High-pressure side: 4.15MPa Low-pressure side: 2.21MPa	P
	If not already visible when accessing service port and if service port provided, service port marked to identify type of refrigerant. If refrigerant is flammable, symbol B.3.2 of ISO 3864, be included, without specifying the colour (IEC 60335-2-40 (ed.5))	Symbols ISO7010-W021 used(IEC 60335-2-40 (ed.5))	P
7.2	Warning for stationary appliances for multiple supply		N/A
	Warning placed in vicinity of terminal cover		N/A
7.3	Range of rated values marked with the lower and upper limits separated by a hyphen		P
	Different rated values marked with the values separated by an oblique stroke		N/A
7.4	Appliances adjustable for different rated voltages or rated frequencies, the voltage or the frequency setting is clearly discernible. (IEC 60335-1 (ed.5), am1)		N/A
	Requirement met if frequent changes are not required and the rated voltage or rated frequency to which the appliance is to be adjusted is determined from a wiring diagram. (IEC 60335-1 (ed.5), am1)		N/A
7.5	Appliances with more than one rated voltage or one or more rated voltage ranges, marked with rated input or rated current for each rated voltage or range, unless		N/A
	the power input is related to the arithmetic mean value of the rated voltage range		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Relation between marking for upper and lower limits of rated power input or rated current and voltage is clear		N/A
7.6	Correct symbols used		P
	Flammable refrigerant, warning symbol W021 of ISO 7010, including colour and format, permanently placed on appliance. Perpendicular height of triangle containing "Caution, risk of fire" symbol be at least 30 mm (IEC 60335-2-40 (ed.5))	R32	P
	Flammable refrigerant, symbol requiring reference to manual [ISO 7000-0790 (2004-01)], including colour and format, permanently placed on appliance (IEC 60335-2-40 (ed.5))		P
	Symbol for nature of supply placed next to rated voltage		P
	Symbol for class II appliances placed unlikely to be confused with other marking		N/A
	Units of physical quantities and their symbols according to international standardized system		P
7.7	Connection diagram fixed to appliances to be connected to more than two supply conductors and appliances for multiple supply, unless		P
	correct mode of connection is obvious		N/A
7.8	Except for type Z attachment, terminals for connection to the supply mains indicated as follows:		P
	- marking of terminals exclusively for the neutral conductor (letter N)		P
	- marking of protective earthing terminals (symbol IEC 60417-5019)		P
	- marking of functional earthing terminals (symbol IEC 60417-5018) (IEC 60335-1 (ed.5), am1)		N/A
	- marking not placed on removable parts		P
7.9	Marking or placing of switches which may cause a hazard		N/A
7.10	Indications of switches on stationary appliances and controls on all appliances by use of figures, letters or other visual means	Figure and letter used	P
	This applies also to switches which are part of a control		P
	If figures are used, the off position indicated by the figure 0		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	The figure 0 indicates only OFF position, unless no confusion with the OFF position		P
7.11	Indication for direction of adjustment of controls		P
7.12	Instructions for safe use provided		P
	Details concerning precautions during user maintenance		P
	Appliances not accessible to general public, classification of clause 6.101 included (IEC 60335-2-40 (ed.5))	Accessible to general public	N/A
	Appliances using flammable refrigerants, an installation, service and operation manual, either separate or combined manuals, provided and include information given in annex DD (IEC 60335-2-40 (ed.5))	See installation instruction and operation manual	P
	The instructions state that:		P
	- the appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction		P
	- children being supervised not to play with the appliance		P
	For a part of class III construction supplied from a detachable power supply unit, the instructions state that the appliance is only to be used with the unit provided		N/A
	Instructions for class III appliances state that it must only be supplied at SELV, unless		N/A
	it is a battery-operated appliance, the battery being charged outside the appliance		N/A
	For appliances for altitudes exceeding 2000 m, the maximum altitude is stated: (IEC 60335-1 (ed.5) ,am1)		N/A
	The instructions for appliances incorporating a functional earth states that the appliance incorporates an earth connection for functional purposes only (IEC 60335-1: (ed.5), am1)		N/A
7.12.1	Sufficient details for installation supplied		P
	For an appliance intended to be permanently connected to the water mains and not connected by a hose-set, this is stated		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	If different rated voltages or different rated frequencies are marked, the instructions state what action to be taken to adjust the appliance (IEC 60335-1: (ed.5), am1)		N/A
	Sufficient details for installation or maintenance supplied (IEC 60335-2-40 (ed.5)):		P
	- that the appliance shall be installed in accordance with national wiring regulations (IEC 60335-2-40 (ed.5));		P
	- the dimensions of the space necessary for correct installation of the appliance including the minimum permissible distance to adjacent structures (IEC 60335-2-40 (ed.5));		P
	- for appliances with supplementary heaters, the minimum clearance from the appliance to combustible surfaces (IEC 60335-2-40 (ed.5));		N/A
	- a wiring diagram with a clear indication of the connections and wiring to external control devices and supply cord (IEC 60335-2-40 (ed.5));		P
	- the range of external static pressures at which the appliance was tested (add-on heat pumps and appliances with supplementary heaters only) (IEC 60335-2-40 (ed.5));	No such construction	N/A
	- the method of connection to the appliance to the electrical supply and interconnection of separate components (IEC 60335-2-40 (ed.5));		P
	- indication of which parts of the appliance are suitable for outdoor use, if applicable (IEC 60335-2-40 (ed.5));		P
	- details of type and rating of fuses , or rating of circuit breakers; (IEC 60335-2-40 (ed.5));		P
	- details of supplementary heating elements that may be used in conjunction with the appliance, including fitting instructions either with the appliance or with the supplementary heater (IEC 60335-2-40 (ed.5));	No such supplementary heating element	N/A
	- maximum and minimum water or brine operating temperatures (IEC 60335-2-40 (ed.5));		N/A
	- maximum and minimum water or brine operating pressures (IEC 60335-2-40 (ed.5)).		N/A
	Open storage tanks of heat pumps for water heating, accompanied by an instruction sheet which state that the vent shall not be obstructed (IEC 60335-2-40 (ed.5))		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
7.12.2	Stationary appliances not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III, the instructions state that means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules		P
7.12.3	Insulation of the fixed wiring in contact with parts exceeding 50 K during clause 11; instructions state that the fixed wiring must be protected		N/A
7.12.4	Instructions for built-in appliances:		P
	- dimensions of space		P
	- dimensions and position of supporting and fixing		P
	- minimum distances between parts and surrounding structure		P
	- minimum dimensions of ventilating openings and arrangement		P
	- connection to supply mains and interconnection of separate components		P
	- allow disconnection of the appliance after installation, by accessible plug or a switch in the fixed wiring, unless		P
	a switch complying with 24.3		N/A
7.12.5	Replacement cord instructions, type X attachment with a specially prepared cord	Fixed wiring	N/A
	Replacement cord instructions, type Y attachment		P
	Replacement cord instructions, type Z attachment		N/A
7.12.6	Caution in the instructions for appliances incorporating a non-self-resetting thermal cut-out that is reset by disconnection of the supply mains, if this cut-out is required to comply with the standard		N/A
7.12.7	Instructions for fixed appliances stating how the appliance is to be fixed		P
7.12.8	Instructions for appliances connected to the water mains:		N/A
	- max. inlet water pressure (Pa)	No such appliance	N/A
	- min. inlet water pressure, if necessary (Pa)		N/A
	Instructions concerning new and old hose-sets for appliances connected to the water mains by detachable hose-sets		N/A
7.13	Instructions and other texts in an official language	English	P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
7.14	Marking clearly legible and durable, rubbing test as specified		P
7.15	Markings on a main part		P
	Marking clearly discernible from the outside, if necessary after removal of a cover		P
	For portable appliances, cover can be removed or opened without a tool		N/A
	For stationary appliances, name, trademark or identification mark and model or type reference visible after installation		P
	For fixed appliances, name, trademark or identification mark and model or type reference visible after installation according to the instructions		P
	Indications for switches and controls placed on or near the components. Marking not on parts which can be positioned or repositioned in such a way that the marking is misleading		P
	Symbol IEC 60417-5018 is placed next to the symbol IEC 60417-5172 or (IEC 60335-1 (ed.5), am1)		N/A
	Marking on panel allowed, provided panel in place for intended operation of appliance (IEC 60335-2-40 (ed.5))		N/A
7.16	Marking of a possible replaceable thermal link or fuse link clearly visible with regard to replacing the link		P
7.101	Marking of fuses and overload protective devices, if replaceable (IEC 60335-2-40 (ed.5)):		P
	- fuse rated current in amperes, type and rated voltage or (IEC 60335-2-40 (ed.5))		P
	- manufacturer and model of overload protective device (IEC 60335-2-40 (ed.5))		N/A
7.102	Marking for connection with aluminium wire, if necessary (IEC 60335-2-40 (ed.5))		N/A
7.103	For appliances made up of more than one factory made assembly specified by the manufacturer to be used together, instructions shall be provided for completing the assembly to ensure compliance with the requirements. (IEC 60335-2-40 (ed.5), am1)		N/A
7.104	For partial units, the instructions or markings shall include the following additional information: (IEC 60335-2-40 (ed.5), am1)		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	- For evaporating units and condensing units, the instructions or markings shall include wording to assure that the maximum operating pressure is considered when connecting to any condenser unit or evaporator unit. (IEC 60335-2-40 (ed.5), am1)		N/A
	- For evaporating units, condensing units and condenser units, the instructions or markings shall include refrigerant charging instructions. (IEC 60335-2-40 (ed.5), am1)		N/A
	- A warning to assure that partial units shall only be connected to an appliance suitable for the same refrigerant. (IEC 60335-2-40 (ed.5), am1)		N/A
	- This unit <model xxx> is a partial unit air conditioner, complying with partial unit requirements of this International Standard, and must only be connected to other units that have been confirmed as complying to corresponding partial unit requirements of this International Standard. (IEC 60335-2-40 (ed.5), am1)		N/A
	- The electrical interfaces shall be specified with purpose, voltage, current, and safety class of construction. (IEC 60335-2-40 (ed.5), am1)		N/A
	- The SELV connection points, if provided, are to be clearly indicated in the instructions. The connection point should be marked with the "read the instructions" symbol per ISO 7000-0790 (2004-01) and the Class III symbol according to IEC 60417-5180 (2003- 02). (IEC 60335-2-40 (ed.5), am1)		N/A
8	PROTECTION AGAINST ACCESS TO LIVE PARTS		P
8.1	Adequate protection against accidental contact with live parts		P
8.1.1	Requirement applies for all positions, detachable parts removed		P
	Lamps behind a detachable cover not removed, if conditions met		N/A
	Insertion or removal of lamps, protection against contact with live parts of the lamp cap		N/A
	Use of test probe B of IEC 61032, with a force not exceeding 1 N: no contact with live parts		P
	Use of test probe B of IEC 61032 through openings, with a force of 20 N: no contact with live parts		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
8.1.2	Use of test probe 13 of IEC 61032, with a force not exceeding 1 N, through openings in class 0 appliances and class II appliances/constructions: no contact with live parts		P
	Test probe 13 also applied through openings in earthed metal enclosures having a non-conductive coating: no contact with live parts		P
8.1.3	For appliances other than class II, use of test probe 41 of IEC 61032, with a force not exceeding 1 N: no contact with live parts of visible glowing heating elements		N/A
8.1.4	Accessible part not considered live if:		N/A
	- safety extra-low a.c. voltage: peak value not exceeding 42,4 V		N/A
	- safety extra-low d.c. voltage: not exceeding 42,4 V		N/A
	- or separated from live parts by protective impedance		N/A
	If protective impedance: d.c. current not exceeding 2 mA, and		N/A
	a.c. peak value not exceeding 0,7 mA		N/A
	- for peak values over 42,4 V up to and including 450 V, capacitance not exceeding 0,1 μ F		N/A
	- for peak values over 450 V up to and including 15 kV, discharge not exceeding 45 μ C		N/A
	- for peak values over 15 kV, the energy in the discharge not exceeding 350 mJ		N/A
8.1.5	Live parts protected at least by basic insulation before installation or assembly:		P
	- built-in appliances		P
	- fixed appliances		P
	- appliances delivered in separate units		P
	As regards the products which have a dedicated installation panel or cover and which cannot be installed without them, compliance is checked according to 5.10 (after the installation as instructed in the installation manual). (IEC 60335-2-40 (ed.5))		P
8.2	Class II appliances and constructions constructed so that there is adequate protection against accidental contact with basic insulation and metal parts separated from live parts by basic insulation only		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Only possible to touch parts separated from live parts by double or reinforced insulation		P
9	STARTING OF MOTOR-OPERATED APPLIANCES		N/A
	Requirements and tests are specified in part 2 when necessary		N/A
10	POWER INPUT AND CURRENT		P
10.1	Power input at normal operating temperature, rated voltage and normal operation not deviating from rated power input by more than shown in table 1 ..	(see appended table)	P
	If the power input varies throughout the operating cycle and the maximum value of the power input exceeds, by a factor greater than two, the arithmetic mean value of the power input occurring during a representative period, the power input is the maximum value that is exceeded for more than 10 % of the representative period. (IEC 60335-1:2010 (ed.5), am1)		N/A
	Otherwise the power input is the arithmetic mean value (IEC 60335-1:2010 (ed.5), am1)		N/A
	Test carried out at upper and lower limits of the ranges for appliances with one or more rated voltage ranges, unless		P
	the rated power input is related to the arithmetic mean value		N/A
10.2	Current at normal operating temperature, rated voltage and normal operation not deviating from rated current by more than shown in table 2.....:	(see appended table)	P
	If the current varies throughout the operating cycle and the maximum value of the current exceeds, by a factor greater than two, the arithmetic mean value of the current occurring during a representative period, the current is the maximum value that is exceeded for more than 10 % of the representative period. (IEC 60335-1:2010 (ed.5), am1)		N/A
	Otherwise the current is the arithmetic mean value. (IEC 60335-1:2010 (ed.5), am1)		N/A
	Test carried out at upper and lower limits of the ranges for appliances with one or more rated voltage ranges, unless		P
	the rated current is related to the arithmetic mean value of the range		N/A
11	HEATING		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
11.1	No excessive temperatures in normal use (IEC 60335-2-40 (ed.5))		P
	Compliance is checked by the tests of annex C, if (IEC 60335-2-40 (ed.5)):		N/A
	- temperature of motor winding exceeds values shown in table 3 (IEC 60335-2-40 (ed.5))		N/A
	- there is doubt about classification of insulation system of the motor (IEC 60335-2-40 (ed.5))		N/A
11.2	Placing and mounting of appliance (IEC 60335-2-40 (ed.5)):		P
	- clearances to adjacent surfaces (IEC 60335-2-40 (ed.5));		P
	- flow rates for liquid source or sink equipment be minimum, except for hydronic fan coil units where flow rates and liquid temperatures be maximum (IEC 60335-2-40 (ed.5) ,am1);		N/A
	- static pressures (IEC 60335-2-40 (ed.5));		N/A
	- means of adjusting the flow, flow for tests be minimum obtainable (IEC 60335-2-40 (ed.5));		N/A
	- adjustable limit controls set at maximum cut-out setting and minimum differential (IEC 60335-2-40 (ed.5)).		P
	Appliances with supplementary heaters, use test casing of clause 11.9 (IEC 60335-2-40 (ed.5))		N/A
11.2.1	Appliances with supplementary heaters, inlet duct connected to inlet air opening (IEC 60335-2-40 (ed.5))		N/A
	Appliance that includes or has provision for supplementary heater is fitted with a metal outlet duct in accordance with Figure 101a) or Figure 101b), depending on the direction of the airflow. (IEC 60335-2-40 (ed.5))		N/A
11.2.2	Ducted appliance without supplementary heaters, air outlet used (IEC 60335-2-40 (ed.5))		P
11.2.3	For the evaluation and testing of partial units, the following test setup and conditions are to be applied. (IEC 60335-2-40 (ed.5) ,am1);		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	- evaporator units and condenser units are tested as individual units at the maximum ambient temperature stated in the instructions. If not stated in the instructions, these units shall be tested at an ambient temperature that is equal to the saturated temperature of the refrigerant at the marked maximum allowable operating pressure ($\pm 0,1$ MPa) minus 10 K (± 1 K). (IEC 60335-2-40 (ed.5) ,am1);		N/A
	- condensing units are tested in the cooling mode only, at the maximum specified ambient temperature with 9 K (± 1 K) sub-cooling and the maximum specified evaporating pressure with 11 K (± 1 K) superheat. For condensing units provided with expansion device(s), the superheat/sub-cooling is to be as under the normal control of the expansion device(s). (IEC 60335-2-40 (ed.5) ,am1);		N/A
	- evaporating units, intended for cooling only, are tested in the cooling mode only with a condensing pressure that is equal to the marked maximum allowable operating pressure ($\pm 0,1$ MPa) with 9 K (± 1 K) sub-cooling. (IEC 60335-2-40 (ed.5) ,am1);		N/A
	- evaporating units that are intended for reverse cycle operation are tested in the heating mode only, at the maximum specified evaporating pressure. (IEC 60335-2-40 (ed.5) ,am1);		N/A
11.3	Temperature rise determine by thermocouples or resistance method (IEC 60335-2-40 (ed.5))		P
11.4	Test performed at supply voltage between 0,94 and 1,06 times the rated voltage (IEC 60335-2-40 (ed.5))		P
	Heating elements energized at voltage which gives an electrical input of 1,15 times maximum rated power input (IEC 60335-2-40 (ed.5))		N/A
11.5	Test conducted in heating mode and cooling mode, if both exist (IEC 60335-2-40 (ed.5))		P
	All supplementary heating elements operative simultaneously (IEC 60335-2-40 (ed.5))		N/A
11.6	Defrost test in most unfavourable conditions, if needed (IEC 60335-2-40 (ed.5))		N/A
11.7	Appliances operated continuously until steady conditions except for defrost tests (IEC 60335-2-40 (ed.5))		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
11.8	Temperatures not exceeding values of table 3 (IEC 60335-2-40 (ed.5))	(See appended tables)	P
	Protective devices do not operate (IEC 60335-2-40 (ed.5))		P
	Sealing compound not flowing out (IEC 60335-2-40 (ed.5))		P
	Temperature of air in outlet duct not exceed 90 °C (IEC 60335-2-40 (ed.5))		P
11.9	Test casing and installation of appliances in accordance with manufacturer's instructions (IEC 60335-2-40 (ed.5))		N/A
	Glass fibre insulation for appliances without indication of minimum clearances according to manufacturer; thermocouple in contact with enclosure (IEC 60335-2-40 (ed.5))		N/A
13	LEAKAGE CURRENT AND ELECTRIC STRENGTH AT OPERATING TEMPERATURE		P
13.1	Leakage current not excessive and electric strength adequate		P
	Heating appliances operated at 1,15 times the rated power input (W).....:		N/A
	Motor-operated appliances and combined appliances supplied at 1,06 times the rated voltage (V).....:	254.4V	P
	Protective impedance and radio interference filters disconnected before carrying out the tests		N/A
13.2	For class 0, class II and class III appliances, and class II constructions, leakage current measured by means of the circuit described in figure 4 of IEC 60990 (IEC 60335-1 (ed.5), am1)		P
	For class 0I and class I appliances, a low impedance ammeter may be used (IEC 60335-1 (ed.5), am1)		P
	Leakage current measurements: (IEC 60335-1 (ed.5), am1)	(see appended table)	P
13.3	The appliance is disconnected from the supply		P
	Electric strength tests according to table 4:	(see appended table)	P
	No breakdown during the tests		P
14	TRANSIENT OVERVOLTAGES		N/A
	Appliances withstand the transient over-voltages to which they may be subjected		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Clearances having a value less than specified in table 16 subjected to an impulse voltage test, the test voltage specified in table 6	(see appended table)	N/A
	No flashover during the test, unless		N/A
	of functional insulation if the appliance complies with clause 19 with the clearance short-circuited		N/A
15	MOISTURE RESISTANCE		P
15.1	Enclosure provides degree of moisture protection against ingress of water (rain, overflow from drain pan or defrosting), tests of clause 15.2, 15.3, 11.6 and 16) (IEC 60335-2-40 (ed.5))		P
	Motor-compressor not operated and detachable parts removed during tests of clause 15.2 and 15.3 (IEC 60335-2-40 (ed.5))		P
15.2	Tests in accordance with IEC 60529 in appliances other than IPX0, as specified (IEC 60335-2-40 (ed.5))	IPX4 (outdoor unit)	P
15.3	Drain pan filled to brim and subjected to continuous overflow and fan(s) switched on (IEC 60335-2-40 (ed.5))		P
15.101	Spillage test as specified (IEC 60335-2-40 (ed.5))	The top of unit, height of indoor unit greater than 2.0m	N/A
	After spillage completed, appliance withstand test of clause 16 (IEC 60335-2-40 (ed.5))		N/A
16	LEAKAGE CURRENT AND ELECTRIC STRENGTH		P
16.1	Leakage current not excessive and electric strength adequate		P
	Protective impedance disconnected from live parts before carrying out the tests		N/A
	Tests carried out at room temperature and not connected to the supply		P
16.2	Single-phase appliances: test voltage 1,06 times rated voltage (V)	254.4V, 233.2V	P
	Three-phase appliances: test voltage 1,06 times rated voltage divided by $\sqrt{3}$ (V)	439.9V, 402.8V	P
	Leakage current measurements	(see appended table)	P
	Limit values doubled if:		N/A
	- all controls have an off position in all poles, or		N/A
	- the appliance has no control other than a thermal cut-out, or		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	- all thermostats, temperature limiters and energy regulators do not have an off position, or		N/A
	- the appliance has radio interference filters		N/A
	With the radio interference filters disconnected, the leakage current do not exceed limits specified	(see appended table)	N/A
16.3	Electric strength tests according to table 7	(see appended table)	P
	Test voltage applied between the supply cord and inlet bushing and cord guard and cord anchorage as specified	(see appended table)	P
	No breakdown during the tests		P
17	OVERLOAD PROTECTION OF TRANSFORMERS AND ASSOCIATED CIRCUITS		P
	No excessive temperatures in transformer or associated circuits in event of short-circuits likely to occur in normal use	(see appended table)	P
	Appliance supplied with 1,06 or 0,94 times rated voltage under the most unfavourable short-circuit or overload likely to occur in normal use (V)		P
	Basic insulation is not short-circuited		P
	Temperature rise of insulation of the conductors of safety extra-low voltage circuits not exceeding the relevant value specified in table 3 by more than 15 K		N/A
	Temperature of the winding not exceeding the value specified in table 8		P
	However, limits do not apply to fail-safe transformers complying with sub-clause 15.5 of IEC 61558-1		N/A
18	ENDURANCE		N/A
	Requirements and tests are specified in part 2 when necessary		N/A
19	ABNORMAL OPERATION		P
19.1	The risk of fire, mechanical damage or electric shock under abnormal or careless operation obviated.		P
	Failure of transfer medium flow, or of any control device, does not result in a hazard (IEC 60335-2-40 (ed.5))		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Electronic circuits so designed and applied that a fault will not render the appliance unsafe (electric shock, fire or mechanical hazard, dangerous malfunction)		P
	Appliances are subjected to the tests specified in 19.2 to 19.10, 19.101, 19.102 and 19.103, as applicable. (IEC 60335-2-40 (ed.5))		P
	Appliances incorporating electronic circuits subjected to the tests of 19.11 and 19.12, as applicable		P
	Appliances incorporating contactors or relays subjected to the test of 19.14, being carried out before the tests of 19.11		P
	Appliances incorporating voltage selector switches subjected to the test of 19.15		N/A
	Unless otherwise specified, the tests are continued until a non-self-resetting thermal cut-out operates, or		N/A
	until steady conditions are established		P
	If a heating element or intentionally weak part becomes open-circuited, the relevant test is repeated on a second sample		N/A
19.2	Test of appliances with supplementary heaters (IEC 60335-2-40 (ed.5))		N/A
19.3	Test at temperature permitting continuous operation of the motor-compressor and electric heating elements at same time (IEC 60335-2-40 (ed.5))		N/A
19.4	Test conditions as in clause 11, any control limiting the temperature during tests of clause 11 short-circuited	(see appended table)	P
	Test of appliance with any defect which expected during normal use (IEC 60335-2-40 (ed.5))		P
19.5	Test of 19.4 repeated on class 0I and I appliances with tubular sheathed or embedded heating elements. No short-circuiting, but one end of the element connected to the sheath		N/A
	The test repeated with reversed polarity and the other end of the heating element connected to the sheath		N/A
	The test is not carried out on appliances intended to be permanently connected to fixed wiring and on appliances where an all-pole disconnection occurs during the test of 19.4		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
19.6	Appliances with PTC heating elements tested at rated voltage, establishing steady conditions		N/A
	The working voltage of the PTC heating element is increased by 5 % and the appliance is operated until steady conditions are re-established. The voltage is then increased in similar steps until 1,5 times working voltage or until the PTC heating element ruptures (V).....:		N/A
19.7	Test of appliance with motor rotors, other than motor-compressors and stationary circulation pumps in compliance with IEC 60335-2-51, operated for 15 days (360 h) or until protection device opens circuit (IEC 60335-2-40 (ed.5))		P
	Insulation of motor windings (IEC 60335-2-40 (ed.5))	Class E	P
	Temperature of enclosure does not exceed (°C) (IEC 60335-2-40 (ed.5))	<150°C	P
	Temperature of the windings does not exceed the values shown in the table 8; temperature (°C) (IEC 60335-2-40 (ed.5))	165°C for Class E	P
	Electric strength test as specified in 16.3, 72 h after the beginning of the test (IEC 60335-2-40 (ed.5))		P
	At the end, leakage current between windings and enclosure does not exceed 2 mA (IEC 60335-2-40 (ed.5))		P
	If the motor-compressor has not been type-tested against the requirements of IEC 60335-2-34, a sample is provided with the rotor locked and being filled with oil and refrigerant as intended. (IEC 60335-2-40 (ed.5))		P
	Sample is subjected to the tests specified in 19.101, 19.102, 19.103 and 19.105 of IEC 60335-2-34:2012, if applicable, and complies with the requirements in 19.104 of IEC 60335-2-34:2012. (IEC 60335-2-40 (ed.5))		P
19.8	Three phase motors other than motor compressors are operated under the conditions of Clause 11 at rated voltage or at the upper limit of the rated voltage range with one phase disconnected, until steady conditions are obtained or the protective device operates. (IEC 60335-2-40 (ed.5))		P
19.10	Series motor operated at 1,3 times rated voltage for 1 min (V)		N/A
	During the test, parts not being ejected from the appliance		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
19.11	Electronic circuits, compliance checked by evaluation of the fault conditions specified in 19.11.2 for all circuits or parts of circuits, unless		P
	they comply with the conditions specified in 19.11.1		P
	Appliances incorporating an electronic circuit that relies upon a programmable component to function correctly, subjected to the test of 19.11.4.8, unless		P
	restarting does not result in a hazard		P
	Appliances having a device with an off position obtained by electronic disconnection, or a device placing the appliance in a stand-by mode, subjected to the tests of 19.11.4		P
	If the safety of the appliance under any of the fault conditions depends on the operation of a miniature fuse-link complying with IEC 60127, the test of 19.12 is carried out		P
	During and after each test the following is checked:		P
	- the temperature of the windings do not exceed the values specified in table 8		P
	- the appliance complies with the conditions specified in 19.13		P
	- any current flowing through protective impedance not exceeding the limits specified in 8.1.4		N/A
	If a conductor of a printed board becomes open-circuited, the appliance is considered to have withstood the particular test, provided both of the following conditions are met:		N/A
	- the base material of the printed circuit board withstands the test of annex E		P
	- any loosened conductor does not reduce clearance or creepage distances between live parts and accessible metal parts below the values specified in clause 29		N/A
19.11.1	Fault conditions a) to g) in 19.11.2 are not applied to circuits or parts of circuits meeting both of the following conditions:		N/A
	- the electronic circuit is a low-power circuit, that is, the maximum power at low-power points does not exceed 15 W according to the tests specified		N/A
	- the protection against electric shock, fire hazard, mechanical hazard or dangerous malfunction of other parts of the appliance does not rely on the correct functioning of the electronic circuit		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
19.11.2	Fault conditions applied one at a time, the appliance operating under conditions specified in clause 11, but supplied at rated voltage, duration of the tests as specified:		P
	a) short circuit of functional insulation if clearances or creepage distances are less than the values specified in clause 29		N/A
	b) open circuit at the terminals of any component		P
	c) short circuit of capacitors, unless		P
	they comply with IEC 60384-14		P
	d) short circuit of any two terminals of an electronic component, other than integrated circuits		P
	This fault condition is not applied between the two circuits of an optocoupler		P
	e) failure of triacs in the diode mode		N/A
	f) failure of microprocessors and integrated circuits		P
	g) failure of an electronic power switching device		P
	Each low power circuit is short-circuited by connecting the low-power point to the pole of the supply source from which the measurements were made		N/A
19.11.3	If the appliance incorporates a protective electronic circuit which operates to ensure compliance with clause 19, the relevant test is repeated with a single fault simulated, as indicated in a) to g) of 19.11.2		P
19.11.4	The first paragraph of Part 1 in not applicable for stand-by mode if unintentional operation does not cause any hazards. (IEC 60335-2-40 (ed.5))		P
	Appliances having a device with an off position obtained by electronic disconnection, or		N/A
	a device that can be placed in the stand-by mode,		N/A
	subjected to the tests of 19.11.4.1 to 19.11.4.7, the device being set in the off position or in the stand-by mode.		P
	Appliances incorporating a protective electronic circuit are subjected to the tests of 19.11.4.1 to 19.11.4.7. (IEC 60335-2-40 (ed.5))		P
	Tests are carried out after the protective electronic circuit has operated during the relevant tests of Clause 19 except 19.2, 19.6, 19.11.3, 19.102 and 19.103. (IEC 60335-2-40 (ed.5))		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	If the appliance incorporates more than one protective electronic circuit, each protective electronic circuit has to be tested individually with the appliance operated under normal operation at any temperature within the working range. (IEC 60335-2-40 (ed.5))		P
	Components protected by a protective electronic, if engineering judgement gives evidence that the test in the final application will not lead to a hazardous condition. (IEC 60335-2-40 (ed.5))		P
	Surge protective devices disconnected, unless		N/A
	they incorporate spark gaps		N/A
	For these tests, it may be necessary to provide specially prepared component samples, e.g. compressors with locked rotor. (IEC 60335-2-40 (ed.5))		N/A
19.11.4.1	The appliance is subjected to electrostatic discharges in accordance with IEC 61000-4-2, test level 4		P
19.11.4.2	The appliance is subjected to radiated fields in accordance with IEC 61000-4-3, test level 3		P
19.11.4.3	The appliance is subjected to fast transient bursts in accordance with IEC 61000-4-4, test level 3 or 4 as specified		P
19.11.4.4	The power supply terminals of the appliance subjected to voltage surges in accordance with IEC 61000-4-5, test level 3 or 4 as specified		P
	An open circuit test voltage of 2 kV is applicable for the line-to-line coupling mode (IEC 60335-1 (ed.5), am1)		P
	An open circuit test voltage of 4 kV is applicable for the line-to-earth coupling (IEC 60335-1 (ed.5), am1)		P
	Earthed heating elements in class I appliances disconnected		N/A
19.11.4.5	The appliance is subjected to injected currents in accordance with IEC 61000-4-6, test level 3		P
19.11.4.6	Appliances having a rated current not exceeding 16 A are subjected to the class 3 voltage dips and interruptions in accordance with IEC 61000-4-11		N/A
	Appliances having a rated current exceeding 16 A are subjected to the class 3 voltage dips and interruptions in accordance with IEC 61000-4-34		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
19.11.4.7	The appliance is subjected to mains signals in accordance with IEC 61000-4-13, test level class 2		P
19.11.4.8	The appliance is supplied at rated voltage and operated under normal operation at any temperature within the working range. After 60 s the power supply is reduced to a level such that the appliance ceases to respond or parts controlled by the programmable component cease to operate. (IEC 60335-2-40 (ed.5))		P
19.12	If the safety of the appliance for any of the fault conditions specified in 19.11.2 depends on the operation of a miniature fuse-link complying with IEC 60127, the test is repeated, measuring the current flowing through the fuse-link; measured current (A); rated current of the fuse-link (A).....:		P
19.13	During the tests the appliance does not emit flames, molten metal, poisonous or ignitable gas in hazardous amounts		P
	Temperature rises not exceeding the values shown in table 9.....:	(see appended table)	P
	Compliance with clause 8 not impaired		P
	If the appliance can still be operated it complies with 20.2		P
	Insulation, other than of class III appliances or class III constructions that do not contain live parts, withstands the electric strength test of 16.3, the test voltage as specified in table 4:		P
	- basic insulation (V).....:	1250	P
	- supplementary insulation (V).....:	1750	P
	- reinforced insulation (V).....:	3000	P
	After operation or interruption of a control, clearances and creepage distances across the functional insulation withstand the electric strength test of 16.3, the test voltage being twice the working voltage		P
	The appliance does not undergo a dangerous malfunction, and		P
	no failure of protective electronic circuits, if the appliance is still operable		N/A
	Appliances tested with an electronic switch in the off position, or in the stand-by mode:		P
	- do not become operational, or		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	- if they become operational, do not result in a dangerous malfunction during or after the tests of 19.11.4		P
	If the appliance contains lids or doors that are controlled by one or more interlocks, one of the interlocks may be released provided that:		N/A
	- the lid or door does not move automatically to an open position when the interlock is released, and		N/A
	- the appliance does not start after the cycle in which the interlock was released		N/A
19.14	Appliances operated under the conditions of clause 11, any contactor or relay contact operating under the conditions of clause 11 being short-circuited		P
	For a relay or contactor with more than one contact, all contacts are short-circuited at the same time		P
	A relay or contactor operating only to ensure the appliance is energized for normal use is not short-circuited		P
	If more than one relay or contactor operates in clause 11, they are short-circuited in turn		P
	Locking in the "on" position of the main contacts of a contact intended for switching on and off the heating element(s) in normal use is considered to be a fault condition, unless the appliance is provided with at least two sets of contacts connected in series. (IEC 60335-2-40 (ed.5))		N/A
	This condition is, for example, achieved by providing two contactors operating independently of each other or by providing one contactor having two independent armatures operating two independent sets of main contacts. (IEC 60335-2-40 (ed.5))		N/A
19.15	For appliances with a mains voltage selector switch, the switch is set to the lowest rated voltage position and the highest value of rated voltage is applied		N/A
19.101	Test of appliance with heat transfer medium flow of the outdoor heat exchanger restricted or shut off when reaching steady conditions (IEC 60335-2-40 (ed.5))		P
	Test of appliance with heat transfer flow of the indoor heat exchanger restricted or shut off when reaching steady conditions (IEC 60335-2-40 (ed.5))		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Disconnection of motor common to both the outdoor and the indoor heat exchangers when reaching steady conditions (IEC 60335-2-40 (ed.5))		N/A
19.102	Test of appliances using water as heat transfer medium (IEC 60335-2-40 (ed.5))		N/A
19.103	Test of air to air appliances at rated voltage or at the upper limit of the rated voltage range. Dry-bulb temperature is 5 K below values specified by manufacturer (IEC 60335-2-40 (ed.5))		P
	Test with the dry-bulb temperature 10 K over the values specified by manufacturer (IEC 60335-2-40 (ed.5))		P
19.104	All appliances provided with supplementary heaters and free air discharge subjected to specified test in each mode of operation (IEC 60335-2-40 (ed.5))		N/A
	During test temperature not exceed 150 °C but an overshoot of 25 °C is permitted during first hour (IEC 60335-2-40 (ed.5))		N/A
	Thermal protective devices are allowed to operate. (IEC 60335-2-40 (ed.5))		N/A
20	STABILITY AND MECHANICAL HAZARDS		P
20.1	Appliances having adequate stability		P
	Tilting test through an angle of 10°, appliance placed on an inclined plane/horizontal support, not connected to the supply mains; appliance does not overturn	Fixed appliance	N/A
	Tilting test repeated on appliances with heating elements, angle of inclination increased to 15°		N/A
	Possible heating test in overturned position; temperature rise does not exceed values shown in table 9		N/A
20.2	Moving parts adequately arranged or enclosed as to provide protection against personal injury		P
	Protective enclosures, guards and similar parts are non-detachable, and		P
	have adequate mechanical strength		P
	Enclosures that can be opened by overriding an interlock are considered to be detachable parts		N/A
	Self-resetting thermal cut-outs and overcurrent protective devices not causing a hazard by unexpected closure		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Not possible to touch dangerous moving parts with the test probe described		P
21	MECHANICAL STRENGTH		P
21.1	Appliance has adequate mechanical strength and is constructed as to withstand rough handling		P
	Checked by applying 3 blows to every point of the enclosure like to be weak, in accordance with test Ehb of IEC 60068-2-75, spring hammer test, with an impact energy of 0,5 J	(see appended table)	P
	The appliance shows no damage impairing compliance with this standard, and		P
	compliance with 8.1, 15.1 and clause 29 not impaired		P
	If doubt, supplementary or reinforced insulation subjected to the electric strength test of 16.3		N/A
	If necessary, repetition of groups of three blows on a new sample		N/A
	Safety requirements specified in annex EE apply. Pressure test in annex EE applies to parts other than pressure vessels (IEC 60335-2-40 (ed.5))		P
	Safety requirements of ISO 14903 apply (IEC 60335-2-40 (ed.5))	Base on Test report No. 02 220 JP/N-4091703	P
21.2	Accessible parts of solid insulation having strength to prevent penetration by sharp implements		P
	Test not applicable if the thickness of supplementary insulation is at least 1 mm and reinforced insulation at least 2 mm		P
	The insulation is tested as specified, and does withstand the electric strength test of 16.3		P
	Appliances using flammable refrigerants withstand the effects of vibration during transport. (IEC 60335-2-40 (ed.5))		P
	Appliance is tested in its final packaging for transport and shall withstand a random vibration test according to ASTM D4728-01. (IEC 60335-2-40 (ed.5))		P
	Compliance is checked as specified (IEC 60335-2-40 (ed.5))		P
22	CONSTRUCTION		P
22.1	Appliance marked with the first numeral of the IP system, relevant requirements of IEC 60529 are fulfilled	IPX4 (outdoor unit)	N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
22.2	Stationary appliance: means to ensure all-pole disconnection from the supply being provided:		P
	- a supply cord fitted with a plug, or		N/A
	- a switch complying with 24.3, or		N/A
	- a statement in the instruction sheet that a disconnection incorporated in the fixed wiring is to be provided, or		P
	- an appliance inlet		N/A
	Singe-pole switches and single-pole protective devices for the disconnection of heating elements in single-phase, permanently connected class 01 and class I appliances, connected to the phase conductor		N/A
22.3	Appliance provided with pins: no undue strain on socket-outlets		N/A
	Applied torque not exceeding 0,25 Nm		N/A
	Pull force of 50 N to each pin after the appliance has being placed in the heating cabinet; when cooled to room temperature the pins are not displaced by more than 1 mm		N/A
	Each pin subjected to a torque of 0,4 Nm; the pins are not rotating, unless		N/A
	rotating does not impair compliance with this standard		N/A
22.4	Appliance for heating liquids and appliance causing undue vibration not provided with pins for insertion into socket-outlets		N/A
22.5	No risk of electric shock when touching the pins of the plug, for appliances having a capacitor with rated capacitance equal to or greater than 0,1 μ F, the appliance being disconnected from the supply at the instant of voltage peak (IEC 60335-1 (ed.5), am1)		N/A
	If compliance relies on the operation of an electronic circuit, the electromagnetic phenomena tests of 19.11.4.3 and 19.11.4.4 are applied (IEC 60335-1 (ed.5), am1)		N/A
	The discharge test is then repeated three times, voltage not exceeding 34 V (V): (IEC 60335-1 (ed.5), am1):		N/A
22.6	Electrical insulation not affected by condensing water or leaking liquid		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Electrical insulation of class II appliances not affected if a hose ruptures or seal leaks		N/A
	In case of doubt, test as described		N/A
	Electrical insulation not affected by snow penetration to appliance enclosure (IEC 60335-2-40 (ed.5))		P
22.7	Adequate safeguards against the risk of excessive pressure in appliances containing liquid or gases or having steam-producing devices		N/A
22.8	Electrical connections not subject to pulling during cleaning of compartments to which access can be gained without the aid of a tool, and that are likely to be cleaned in normal use		P
22.9	Insulation, internal wiring, windings, commutators and slip rings not exposed to oil, grease or similar substances, unless		P
	the substance has adequate insulating properties		N/A
22.10	Not possible to reset voltage-maintained non-self-resetting thermal cut-outs by the operation of an automatic switching device incorporated within the appliance, if:		N/A
	- a non-self-resetting thermal cut-out is required by the standard, and		N/A
	- a voltage maintained non-self-resetting thermal cut-out is used to meet it		N/A
	Non-self-resetting thermal motor protectors have a trip-free action, unless		N/A
	they are voltage maintained		N/A
	Reset buttons of non-self-resetting controls so located or protected that accidental resetting is unlikely		N/A
22.11	Reliable fixing of non-detachable parts that provide the necessary degree of protection against electric shock, moisture or contact with moving parts		P
	Obvious locked position of snap-in devices used for fixing such parts		N/A
	No deterioration of the fixing properties of snap-in devices used in parts that are likely to be removed during installation or servicing		N/A
	Tests as described		P
22.12	Handles, knobs etc. fixed in a reliable manner		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Fixing in wrong position of handles, knobs etc. indicating position of switches or similar components not possible		N/A
	Axial force 15 N applied to parts, the shape being so that an axial pull is unlikely to be applied		N/A
	Axial force 30 N applied to parts, the shape being so that an axial pull is likely to be applied		N/A
22.13	Unlikely that handles, when gripped as in normal use, make the operator's hand touch parts having a temperature rise exceeding the value specified for handles which are held for short periods only		N/A
22.14	No ragged or sharp edges creating a hazard for the user in normal use, or during user maintenance		P
	No exposed pointed ends of self-tapping screws or other fasteners, likely to be touched by the user in normal use or during user maintenance		P
	This requirement does not apply to the metallic fins of heat exchangers. (IEC 60335-2-40 (ed.5))		P
22.15	Storage hooks and the like for flexible cords smooth and well rounded		N/A
22.16	Automatic cord reels cause no undue abrasion or damage to the sheath of the flexible cord, no breakage of conductors strands and no undue wear of contacts		N/A
	Cord reel tested with 6000 operations, as specified		N/A
	Electric strength test of 16.3, voltage of 1000 V applied		N/A
22.17	Spacers not removable from the outside by hand or by means of a screwdriver or a spanner		N/A
22.18	Current-carrying parts and other metal parts resistant to corrosion		P
22.19	Driving belts not relied upon to provide the required level of insulation, unless		N/A
	constructed to prevent inappropriate replacement		N/A
22.20	Direct contact between live parts and thermal insulation effectively prevented, unless		N/A
	material used is non-corrosive, non-hygroscopic and non-combustible		N/A
22.21	Wood, cotton, silk, ordinary paper and fibrous or hygroscopic material not used as insulation, unless		P
	impregnated		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	This requirement does not apply to magnesium oxide and mineral ceramic fibres used for the electrical insulation of heating elements		N/A
22.22	Appliances not containing asbestos		P
22.23	Oils containing polychlorinated biphenyl (PCB) not used		P
22.24	Bare heating elements adequately supported to prevent contact with accessible metal parts nor give rise to a hazard in case of rupture or sagging (IEC 60335-2-40 (ed.5))		N/A
	Bare heating elements not used with wood or wood composite enclosures. (IEC 60335-2-40 (ed.5))		N/A
22.25	Sagging heating conductors, except in class III appliances or class III constructions that do not contain live parts, cannot come into contact with accessible metal parts		N/A
22.26	For class III constructions the insulation between parts operating at safety extra-low voltage and other live parts complies with the requirements for double or reinforced insulation		N/A
22.27	Parts connected by protective impedance separated by double or reinforced insulation		N/A
22.28	Metal parts of class II appliances conductively connected to gas pipes or in contact with water, separated from live parts by double or reinforced insulation		N/A
22.29	Class II appliances permanently connected to fixed wiring so constructed that the required degree of access to live parts is maintained after installation		N/A
22.30	Parts serving as supplementary or reinforced insulation fixed so that they cannot be removed without being seriously damaged, or		N/A
	so constructed that they cannot be replaced in an incorrect position, and so that if they are omitted, the appliance is rendered inoperable or manifestly incomplete		P
22.31	Neither clearances nor creepage distances over supplementary and reinforced insulation reduced below values specified in clause 29 as a result of wear		P
	Neither clearances nor creepage distances between live parts and accessible parts reduced below values for supplementary insulation if wires, screws etc. become loose		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
22.32	Supplementary and reinforced insulation constructed or protected against pollution so that clearances or creepage distances are not reduced below the values in clause 29		P
	Supplementary insulation of natural or synthetic rubber resistant to ageing, or arranged and dimensioned so that creepage distances are not reduced below values specified in 29.2		N/A
	Ceramic material not tightly sintered, similar materials or beads alone not used as supplementary or reinforced insulation		N/A
	Ceramic and similar porous material in which heating conductors are embedded is considered to be basic insulation, not reinforced insulation (IEC 60335-1:2010 (ed.5), am1)		N/A
	Oxygen bomb test at 70 °C for 96 h and 16 h at room temperature		N/A
22.33	Conductive liquids that are or may become accessible in normal use and conductive liquids that are in contact with unearthed accessible metal parts are not in direct contact with live parts		P
	unearthed metal parts separated from live parts by basic insulation only (IEC 60335-1:2010 (ed.5), am1)		N/A
	Electrodes not used for heating liquids		N/A
	For class II constructions, conductive liquids that are or may become accessible in normal use and conductive liquids that are in contact with unearthed accessible metal parts, not in direct contact with basic or reinforced insulation, unless		P
	the reinforced insulation consists of at least 3 layers		N/A
	For class II constructions, conductive liquids which are in contact with live parts, not in direct contact with reinforced insulation, unless		P
	the reinforced insulation consists of at least 3 layers		N/A
	An air layer not used as basic or supplementary insulation in a double insulation system if likely to be bridged by leaking liquid		P
22.34	Shafts of operating knobs, handles, levers etc. not live, unless		N/A
	the shaft is not accessible when the part is removed		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
22.35	For other than class III constructions, handles, levers and knobs, held or actuated in normal use, not becoming live in the event of a failure of basic insulation		N/A
	Such parts being of metal, and their shafts or fixings are likely to become live in the event of a failure of basic insulation, are either adequately covered by insulation material or their accessible parts are separated from their shafts or fixings by supplementary insulation		N/A
	This requirement does not apply to handles, levers and knobs on stationary appliances and cordless appliances, other than those of electrical components, provided they are reliably connected to an earthing terminal or earthing contact, or separated from live parts by earthed metal. (IEC 60335-1:2010 (ed.5), am1)		N/A
	Insulating material covering metal handles, levers and knobs withstand the electric strength test of 16.3 for supplementary insulation		N/A
22.36	For appliances other than class III, handles continuously held in the hand in normal use so constructed that when gripped as in normal use, the operators hand is not likely to touch metal parts, unless		N/A
	they are separated from live parts by double or reinforced insulation		N/A
22.37	Capacitors in class II appliances not connected to accessible metal parts and their casings, if of metal, separated from accessible metal parts by supplementary insulation, unless		N/A
	the capacitors comply with 22.42		N/A
22.38	Capacitors not connected between the contacts of a thermal cut-out		P
22.39	Lamp holders used only for the connection of lamps		N/A
22.40	Motor-operated appliances and combined appliances intended to be moved while in operation, or having accessible moving parts, fitted with a switch to control the motor. The actuating member of the switch being easily visible and accessible		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	If the appliance cannot operate continuously, automatically or remotely without giving rise to a hazard, appliances for remote operation being fitted with a switch for stopping the operation. The actuating member of the switch being easily visible and accessible		N/A
22.41	No components, other than lamps, containing mercury		P
22.42	Protective impedance consisting of at least two separate components		N/A
	Values specified in 8.1.4 not exceeded if any one of the components are short-circuited or open-circuited		N/A
	Resistors checked by the test of 14.1 a) in IEC 60065		N/A
	Capacitors checked by the tests for class Y capacitors in IEC 60384-14		N/A
22.43	Appliances adjustable for different voltages, accidental changing of the setting of the voltage unlikely to occur		N/A
22.44	Appliances not having an enclosure that is shaped or decorated like a toy		P
22.45	When air is used as reinforced insulation, clearances not reduced below the values specified in 29.1.3 due to deformation as a result of an external force applied to the enclosure		P
22.46	For programmable protective electronic circuits used to ensure compliance with the standard, the software contains measures to control the fault/error conditions in table R.1		N/A
	If the protective electronic circuit software is a part of the normal operation control, inspection of software shall be limited to relevant source code of safety controls or related software controls. (IEC 60335-2-40 (ed.5))		N/A
	Alternative methods are used (IEC 60335-2-40 (ed.5))		N/A
	Software that contains measures to control the fault/error conditions specified in table R.2 is to be specified in parts 2 for particular constructions or to address specific hazards		N/A
	These requirements are not applicable to software used for functional purpose or compliance with clause 11		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
22.47	Appliances connected to the water mains withstand the water pressure expected in normal use		N/A
	No leakage from any part, including any inlet water hose		N/A
22.48	Appliances connected to the water mains constructed to prevent backsiphonage of non-potable water		N/A
22.49	For remote operation, the duration of operation is to be set before the appliance can be started, unless		N/A
	the appliance switches off automatically or can operate continuously without hazard		N/A
22.50	Controls incorporated in the appliance take priority over controls actuated by remote operation		N/A
22.51	There is a control on the appliance manually adjusted to the setting for remote operation before the appliance can be operated in this mode		N/A
	There is a visual indication showing that the appliance is adjusted for remote operation		N/A
	These requirements not necessary on appliances that can operate as follows, without giving rise to a hazard:		N/A
	- continuously, or		N/A
	- automatically, or		N/A
	- remotely		N/A
22.52	Socket-outlets on appliances accessible to the user in accordance with the socket-outlet system used in the country in which the appliance is sold		N/A
22.53	Class II appliances and class III appliances that incorporate functionally earthed parts have at least double insulation or reinforced insulation between live parts and the functionally earthed parts (IEC 60335-1:2010 (ed.5), am1)		N/A
22.54	Button cells and batteries designated R1 not accessible without the aid of a tool, unless (IEC 60335-1:2010 (ed.5), am1)		N/A
	the cover of their compartment can only be opened after at least two independent movements have been applied simultaneously (IEC 60335-1:2010 (ed.5), am1)		N/A
22.101	Appliances intended to be fixed, securely fixed (IEC 60335-2-40 (ed.5))		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
22.102.1	At least two thermal cut-outs in appliances with supplementary heating elements for air (first one be self-resetting and other non-self-resetting thermal cut-out) (IEC 60335-2-40 (ed.5))		N/A
22.102.2	Appliances provided with supplementary heaters for water incorporate non-self-resetting thermal cut-out, providing all-pole disconnection that operates separately from water thermostats (IEC 60335-2-40 (ed.5))		N/A
	However, for appliances intended to be connected to fixed wiring, the neutral conductor need not be disconnected (IEC 60335-2-40 (ed.5))		N/A
22.102.3	Thermal cut-outs of capillary type open in event of leakage from capillary tube (IEC 60335-2-40 (ed.5))		N/A
22.103	Non-self-resetting cut-outs independent of other control devices (IEC 60335-2-40 (ed.5))		N/A
22.104	Containers of sanitary hot water heat pumps withstand twice permissible operating pressure in closed containers (IEC 60335-2-40 (ed.5)) or		N/A
	0,15 MPa in open containers (IEC 60335-2-40 (ed.5))		N/A
	without leakage or rupture (IEC 60335-2-40 (ed.5))		N/A
22.105	Air or vapour cushion in closed containers not exceeding 10 % (IEC 60335-2-40 (ed.5))		N/A
22.106	Pressure relief devices operating at 0,1 MPa over permissible operating pressure (IEC 60335-2-40 (ed.5))		N/A
22.107	Water outlet systems of open containers free from obstruction causing over-pressure (IEC 60335-2-40 (ed.5))		N/A
	Vented containers of sanitary hot water heat pumps always open to the atmosphere through appropriate aperture (IEC 60335-2-40 (ed.5))		N/A
22.108	Not vented open containers subjected to test in accordance with clause 22.104 to vacuum of 33 kPa for 15 min (IEC 60335-2-40 (ed.5))		N/A
	Container show no deformation which result in a hazard (IEC 60335-2-40 (ed.5))		N/A
22.109	Replacement of non-self-resetting thermal cut-outs does not damage other connections (IEC 60335-2-40 (ed.5))		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
22.110	Non-self-resetting thermal cut-outs operate without short-circuiting live parts of different potential and without causing contact between live parts and enclosure (IEC 60335-2-40 (ed.5))		N/A
	Test repeated five times without blowing 3 A fuse which connects appliance to earth (IEC 60335-2-40 (ed.5))		N/A
	Electric strength test as specified in clause 16.3 for supplementary heating elements (IEC 60335-2-40 (ed.5))		N/A
22.111	Manual resetting of thermostats not necessary after power supply interruption (IEC 60335-2-40 (ed.5))		N/A
22.112	Construction of refrigerating system comply with requirements of Section 3 of ISO 5149 (IEC 60335-2-40 (ed.5))		P
22.113	Flammable refrigerant used, refrigerant tubing protected or enclosed to avoid mechanical damage (IEC 60335-2-40 (ed.5))		P
	Tubing protected to extent that it will not be handled or used for carrying during moving of product (IEC 60335-2-40 (ed.5))		P
	Tubing located within confines of cabinet considered to be protected from mechanical damage (IEC 60335-2-40 (ed.5))		P
22.114	Flammable refrigerant used, low temperature solder alloys, such as lead/tin alloys, not acceptable for pipe connections or any other refrigerant pressure containing purposes. (IEC 60335-2-40 (ed.5))		P
22.115	Refrigerant charge (mc) of all refrigerating systems within appliance employing flammable refrigerants, not exceed m_3 defined in annex GG (IEC 60335-2-40 (ed.5), am1)		P
	The construction of the refrigerating system using flammable refrigerants shall comply with the requirements in Annex GG for (IEC 60335-2-40 (ed.5), am1)		P
	- the maximum refrigerant charge (m_{max}), (IEC 60335-2-40 (ed.5), am1)		P
	- the minimum floor area A_{min} , (IEC 60335-2-40 (ed.5), am1)		P
	- mechanical ventilation, (IEC 60335-2-40 (ed.5), am1)		N/A
	- refrigerating systems employing secondary circuits. (IEC 60335-2-40 (ed.5), am1)		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
22.116	Appliances using flammable refrigerants constructed that any leaked refrigerant not flow or stagnate so as to cause fire or explosion hazard in areas within appliance and connected ducts where electrical components, which could be a source of ignition and which could function under normal conditions or in event of leak, fitted (IEC 60335-2-40 (ed.5), am1)		P
	Separate components, such as thermostats, which charged with less than 0,5 g of flammable gas not considered to cause fire or explosion hazard in event of leakage of gas within component itself (IEC 60335-2-40 (ed.5))		N/A
	All electrical components that could be a source of ignition and which could function under normal conditions or in the event of a leak, shall be located in an enclosure which satisfies the following (IEC 60335-2-40 (ed.5)):		N/A
	- comply with Clause 20 of IEC 60079-15:2010 for restricted breathing enclosures suitable for use with group IIA gases or the refrigerant used. (IEC 60335-2-40 (ed.5))		N/A
	- not be located in an area where a potentially flammable gas mixture will accumulate as demonstrated by the test of Annex FF. Electrical components not located in an area where a potentially flammable gas mixture will accumulate as demonstrated by the test of Annex FF are not considered an ignition source. (IEC 60335-2-40 (ed.5))		N/A
	Components and apparatus complying with Clause 8 to 19 of IEC 60079-15:2010, for group IIA gases or the refrigerant used or an applicable standard that makes electrical components suitable for use in Zone 2, 1 or 0 as defined IEC 60079-14 are not considered as a source of ignition. (IEC 60335-2-40 (ed.5))		P
22.117	Temperatures on surfaces that exposed to leakage of flammable refrigerants not exceed auto-ignition temperature of refrigerant reduced by 100 K; some typical values given in annex BB (IEC 60335-2-40 (ed.5))		P
22.118	Flammable refrigerant used, all appliances charged with refrigerant at manufacturing location or charged on site as recommended by manufacturer (IEC 60335-2-40 (ed.5))		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Part of appliance that charged on site, which requires brazing or welding in installation not shipped with flammable refrigerant charge. Joints made in installation between parts of refrigerating system, with at least one part charged, made in accordance with following (IEC 60335-2-40 (ed.5)):		P
	- A brazed, welded, or mechanical connection shall be made before opening the valves to permit refrigerant to flow between the refrigerating system parts. A vacuum valve shall be provided to evacuate the interconnecting pipe and/or any uncharged refrigerating system part (IEC 60335-2-40 (ed.5))	See installation manual	P
	- Mechanical connectors used indoors shall comply with ISO 14903. When mechanical connectors are reused indoors, sealing parts shall be renewed. When flared joints are reused indoors, the flare part shall be re-fabricated. (IEC 60335-2-40 (ed.5))	Mechanical connectors used Outdoor, See installation manual Mechanical connectors used Indoor, base on Base on Test report No. 02 220 JP/N-4091703	P
	- Refrigerant tubing shall be protected or enclosed to avoid damage (IEC 60335-2-40 (ed.5))		P
	Flexible refrigerant connectors (such as connecting lines between the indoor and outdoor unit) that may be displaced during normal operations shall be protected against mechanical damage (IEC 60335-2-40 (ed.5))	See installation manual	P
22.119	Condensing units and evaporating units are equipped with a pressure limiting device or equivalent to assure that the equipment does not exceed the maximum allowable pressure. (IEC 60335-2-40 (ed.5), am1)		N/A
	For partial units, the interconnection circuits for signal communication between each unit shall be of the same type. (IEC 60335-2-40 (ed.5), am1)		N/A
22.120	Partial units shall be provided with a means of connection to the supply mains and shall not be powered by an electrical circuit from another appliance. (IEC 60335-2-40 (ed.5), am1)		N/A
23	INTERNAL WIRING		P
23.1	Wireways smooth and free from sharp edges		P
	Wires protected against contact with burrs, cooling fins etc.		P
	Wire holes in metal well-rounded or provided with bushings		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Wiring effectively prevented from coming into contact with moving parts		P
23.2	Beads etc. on live wires cannot change their position, and are not resting on sharp edges		N/A
	Beads inside flexible metal conduits contained within an insulating sleeve		N/A
23.3	Electrical connections and internal conductors movable relatively to each other not exposed to undue stress		N/A
	Flexible metallic tubes not causing damage to insulation of conductors		N/A
	Open-coil springs not used		N/A
	Adequate insulating lining provided inside a coiled spring, the turns of which touch one another		N/A
	No damage after 10 000 flexings for conductors flexed during normal use, or		N/A
	100 flexings for conductors flexed during user maintenance		N/A
	Electric strength test of 16.3, 1000 V between live parts and accessible metal parts		N/A
	Not more than 10 % of the strands of any conductor broken, and		N/A
	not more than 30 % for wiring supplying circuits that consume no more than 15 W		N/A
23.4	Bare internal wiring sufficiently rigid and fixed		N/A
23.5	The insulation of internal wiring subjected to the supply mains voltage withstanding the electrical stress likely to occur in normal use		P
	Basic insulation electrically equivalent to the basic insulation of cords complying with IEC 60227 or IEC 60245, or		P
	no breakdown when a voltage of 2000 V is applied for 15 min between the conductor and metal foil wrapped around the insulation		P
	For class II construction, the requirements for supplementary insulation and reinforced insulation apply, (IEC 60335-1:2010 (ed.5), am1)		P
	except that the sheath of a cord complying with IEC 60227 or IEC 60245 may provide supplementary insulation. (IEC 60335-1:2010 (ed.5), am1)		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	A single layer of internal wiring insulation does not provide reinforced insulation (IEC 60335-1:2010 (ed.5), am1)		P
23.6	Sleeving used as supplementary insulation on internal wiring retained in position by clamping at both ends, or		P
	be such that it can only be removed by breaking or cutting		P
23.7	The colour combination green/yellow only used for earthing conductors		P
23.8	Aluminium wires not used for internal wiring		P
23.9	Stranded conductors not consolidated by soldering where they are subjected to contact pressure, unless		P
	the contact pressure is provided by spring terminals		N/A
23.10	The insulation and sheath of internal wiring, incorporated in external hoses for the connection of an appliance to the water mains, at least equivalent to that of light polyvinyl chloride sheathed flexible cord (60227 IEC 52)		N/A
24	COMPONENTS		P
24.1	Components comply with safety requirements in relevant IEC standards		P
	List of components	(see appended table)	P
	Motors not required to comply with IEC 60034-1, they are tested as part of the appliance (IEC 60335-1:2010 (ed.5), am1)		P
	Relays tested as part of the appliance, or (IEC 60335-1:2010 (ed.5), am1)		P
	alternatively acc. to IEC 60730-1, and meeting the additional requirements in IEC 60335-1 (IEC 60335-1:2010 (ed.5), am1)		N/A
	The requirements of Clause 29 apply between live parts of components and accessible parts of the appliance (IEC 60335-1:2010 (ed.5), am1)		P
	Components can comply with the requirements for clearances and creepage distances for functional insulation in the relevant component standard (IEC 60335-1:2010 (ed.5), am1)		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	30.2 of this standard apply to parts of non-metallic material in components including parts of non-metallic material supporting current-carrying connections (IEC 60335-1:2010 (ed.5), am1)		P
	Components that have not been previously tested to comply with the IEC standard for the relevant component are tested according to the requirements of 30.2 (IEC 60335-1:2010 (ed.5), am1)		P
	Components that have been previously tested to comply with the resistance to fire requirements in the IEC standard for the relevant component need not be retested provided the specified conditions are met (IEC 60335-1:2010 (ed.5), am1)		N/A
	If these conditions are not satisfied, the component is tested as part of the appliance. (IEC 60335-1:2010 (ed.5), am1)		P
	Power electronic converter circuits not required to comply with IEC 62477-1, they are tested as part of the appliance (IEC 60335-1:2010 (ed.5), am1)		P
	If components have not been tested and found to comply with relevant IEC standard for the number of cycles specified, they are tested in accordance with 24.1.1 to 24.1.9		P
	For components mentioned in 24.1.1 to 24.1.9 no additional tests specified in the relevant component standard are necessary other than those specified in 24.1.1 to 24.1.9		P
	Components not tested and found to comply with relevant IEC standard and components not marked or not used in accordance with its marking, tested under the conditions occurring in the appliance		P
	Lampholders and starterholders that have not being tested and found to comply with the relevant IEC standard, tested as a part of the appliance and additionally according to the gauging and interchangeability requirements of the relevant IEC standard		N/A
	No additional tests specified for nationally standardized plugs such as those detailed in IEC/TR 60083 or connectors complying with the standard sheets of IEC 60320-1 and IEC 60309		N/A
	Motor-compressors not tested according to IEC 60335-2-34 (not necessary to meet all requirements of IEC 60335-2-34) (IEC 60335-2-40 (ed.5))		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
24.1.1	Capacitors likely to be permanently subjected to the supply voltage and used for radio interference suppression or for voltage dividing, complying with IEC 60384-14		P
	If the capacitors have to be tested, they are tested according to annex F		N/A
24.1.2	Transformers in associated switch mode power supplies comply with Annex BB of IEC 61558-2-16 (IEC 60335-1:2010 (ed.5), am1)		N/A
	Safety isolating transformers complying with IEC 61558-2-6		N/A
	If they have to be tested, they are tested according to annex G		N/A
24.1.3	Switches complying with IEC 61058-1, the number of cycles of operation being at least 10 000		N/A
	If they have to be tested, they are tested according to annex H		N/A
	If the switch operates a relay or contactor, the complete switching system is subjected to the test		N/A
	If the switch only operates a motor starting relay complying with IEC 60730-2-10 with the number of cycles of a least 10 000 as specified, the complete switching system need not be tested		N/A
24.1.4	Automatic controls complying with IEC 60730-1 with the relevant part 2. The number of cycles of operation being at least:		N/A
	- thermostats:..... 10 000		N/A
	- temperature limiters: 1 000		N/A
	- self-resetting thermal cut-outs: 300		N/A
	- voltage maintained non-self-resetting thermal cut-outs: 1 000		N/A
	- other non-self-resetting thermal cut-outs: 30		N/A
	- timers: 3 000		N/A
	- energy regulators: 10 000		N/A
	- thermostats which control motor-compressor (IEC 60335-2-40 (ed.5)): 100 000		N/A
	- motor-compressor starting relays (IEC 60335-2-40 (ed.5)): 100 000		N/A
	- automatic thermal motor-protectors for hermetic and semi-hermetic type motor-compressors (not less than number of operations during locked rotor test) (IEC 60335-2-40 (ed.5)):min 2000		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	- manual reset thermal motor-protectors for hermetic and semi-hermetic type motor-compressors (IEC 60335-2-40 (ed.5)): . 50		N/A
	- other automatic thermal motor-protectors (IEC 60335-2-40 (ed.5)): 2000		N/A
	- other manual reset thermal motor-protectors (IEC 60335-2-40 (ed.5)): 30		N/A
	The number of cycles for controls operating during clause 11 need not be declared, if the appliance meets the requirements of this standard when they are short-circuited		N/A
	Thermal motor protectors are tested in combination with their motor under the conditions specified in annex D		N/A
	For water valves containing live parts and that are incorporated in external hoses for connection of an appliance to the water mains, the degree of protection declared for subclause 6.5.2 of IEC 60730-2-8 is IPX7		N/A
	Thermal cut-outs of the capillary type comply with the requirements for type 2.K controls in IEC 60730-2-9 (IEC 60335-1 (ed.5), am1)		N/A
24.1.5	Appliance couplers complying with IEC 60320-1		N/A
	However, for appliances classified higher than IPX0, the appliance couplers complying with IEC 60320-2-3		N/A
	Interconnection couplers complying with IEC 60320-2-2		N/A
24.1.6	Small lamp holders similar to E10 lampholders complying with IEC 60238, the requirements for E10 lampholders being applicable		N/A
24.1.7	For remote operation of the appliance via a telecommunication network, the relevant standard for the telecommunication interface circuitry in the appliance is IEC 62151		N/A
24.1.8	The relevant standard for thermal links is IEC 60691		N/A
	Thermal links not complying with IEC 60691 are considered to be an intentionally weak part for the purposes of clause 19		N/A
24.1.9	Contactors and relays, other than motor starting relays, tested as part of the appliance		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	They are also tested in accordance with clause 17 of IEC 60730-1, the number of cycles of operations in 24.1.4 selected according to the contactor or relay function in the appliance.....:		N/A
24.2	Appliances not fitted with:		P
	- switches or automatic controls in flexible cords		P
	- devices causing the protective device in the fixed wiring to operate in the event of a fault in the appliance		P
	- thermal cut-outs that can be reset by soldering, unless		P
	the solder has a melting point of at least 230 °C		N/A
24.3	Switches intended for all-pole disconnection of stationary appliances are directly connected to the supply terminals and have a contact separation in all poles, providing full disconnection under overvoltage category III conditions	See installation manual	P
24.4	Plugs and socket-outlets for extra-low voltage circuits and heating elements, not interchangeable with plugs and socket-outlets listed in IEC/TR 60083 or IEC 60906-1 or with connectors and appliance inlets complying with the standard sheets of IEC 60320-1		N/A
24.5	Capacitors in auxiliary windings of motors marked with their rated voltage and capacitance, and used accordingly		N/A
	Voltage across capacitors in series with a motor winding does not exceed 1,1 times rated voltage, when the appliance is supplied at 1,1 times rated voltage under minimum load		N/A
24.6	Working voltage of motors connected to the supply mains and having basic insulation that is inadequate for the rated voltage of the appliance, not exceeding 42 V		N/A
	In addition, the motors comply with the requirements of annex I		N/A
24.7	Detachable hose-sets for connection of appliances to the water mains comply with IEC 61770		N/A
	They are supplied with the appliance		N/A
	Appliances intended to be permanently connected to the water mains not connected by a detachable hose-set		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
24.8	Motor running capacitors in appliances for which 30.2.3 is applicable and that are permanently connected in series with a motor winding, not causing a hazard in event of a failure		N/A
	One or more of the following conditions are to be met:		N/A
	- the capacitors are of class P2 according to IEC 60252-1		N/A
	- the capacitors are housed within a metallic or ceramic enclosure		N/A
	- the distance of separation of the outer surface to adjacent non-metallic parts exceeds 50 mm		N/A
	- adjacent non-metallic parts within 50 mm withstand the needle-flame test of annex E		N/A
	- adjacent non-metallic parts within 50 mm classified as at least V-1 according to IEC 60695-11-10		N/A
24.101	Replaceable parts of thermal control devices identified by marking (IEC 60335-2-40 (ed.5))		N/A
25	SUPPLY CONNECTION AND EXTERNAL FLEXIBLE CORDS		P
25.1	Appliance not intended for permanent connection to fixed wiring, means for connection to the supply:		N/A
	- supply cord fitted with a plug, the current rating and voltage rating of the plug being not less than the corresponding ratings of its associated appliance (IEC 60335-1:2010 (ed.5), am1)		N/A
	- an appliance inlet having at least the same degree of protection against moisture as required for the appliance, or		N/A
	- pins for insertion into socket-outlets		N/A
	Supply cord fitted with plug provided, if (IEC 60335-2-40 (ed.5)):		N/A
	- appliance only for indoor use (IEC 60335-2-40 (ed.5))		N/A
	- marked with rating of 25 A or less and (IEC 60335-2-40 (ed.5))		N/A
	- complies with code requirements of country where it will be used (IEC 60335-2-40 (ed.5)).		N/A
	Appliance inlet not allowed (IEC 60335-2-40 (ed.5))		N/A
25.2	Appliance not provided with more than one means of connection to the supply mains		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Stationary appliance for multiple supply may be provided with more than one means of connection, provided electric strength test of 1250 V for 1 min between each means of connection causes no breakdown	No such construction	N/A
25.3	Appliance intended to be permanently connected to fixed wiring provided with one of the following means for connection to the supply mains:		P
	- a set of terminals allowing the connection of a flexible cord		P
	- a fitted supply cord		N/A
	- a set of supply leads accommodated in a suitable compartment		N/A
	- a set of terminals for the connection of cables of fixed wiring, cross-sectional areas specified in 26.6, and the appliance allows the connection of the supply conductors after the appliance has been fixed to its support		P
	- a set of terminals and cable entries, conduit entries, knock-outs or glands, allowing connection of appropriate types of cable or conduit, and the appliance allows the connection of the supply conductors after the appliance has been fixed to its support		N/A
	For a fixed appliance constructed so that parts can be removed to facilitate easy installation, this requirement is met if it is possible to connect the fixed wiring without difficulty after a part of the appliance has been fixed to its support		P
25.4	Cable and conduit entries, rated current of appliance not exceeding 16 A, dimension according to table 10 (mm)		P
	Introduction of conduit or cable does not reduce clearances or creepage distances below values specified in clause 29		P
25.5	Method for assembling the supply cord to the appliance:		P
	- type X attachment		N/A
	- type Y attachment		P
	- type Z attachment, if allowed in relevant part 2		N/A
	Type X attachment, other than those with a specially prepared cord, not used for flat twin tinsel cords		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	For multi-phase appliances supplied with a supply cord and that are intended to be permanently connected to fixed wiring, the supply cord is assembled to the appliance by type Y attachment		P
25.6	Plugs fitted with only one flexible cord		N/A
25.7	Supply cords, other than for class III appliances, being one of the following types:		P
	- rubber sheathed (at least 60245 IEC 53)		N/A
	- polychloroprene sheathed (at least 60245 IEC 57)		P
	- polyvinyl chloride sheathed. Not used if they are likely to touch metal parts having a temperature rise exceeding 75 K during the test of clause 11		N/A
	- light polyvinyl chloride sheathed cord (60227 IEC 52), for appliances not exceeding 3 kg		N/A
	- ordinary polyvinyl chloride sheathed cord (60227 IEC 53), for other appliances		N/A
	- heat resistant polyvinyl chloride sheathed. Not used for type X attachment other than specially prepared cords		N/A
	- heat-resistant light polyvinyl chloride sheathed cord (60227 IEC 56), for appliances not exceeding 3 kg		N/A
	- heat-resistant polyvinyl chloride sheathed cord (60227 IEC 57), for other appliances		N/A
	Supply cords for class III appliances adequately insulated		N/A
	Test with 500 V for 2 min for supply cords of class III appliances that contain live parts		N/A
	Supply cords for outdoor use not lighter than polychloroprene sheathed flexible cord (60245 IEC 57) (IEC 60335-2-40 (ed.5))		P
25.8	Nominal cross-sectional area of supply cords not less than table 11; rated current (A); cross-sectional area (mm ²).....:	See installation manual	P
25.9	Supply cords not in contact with sharp points or edges		P
25.10	Supply cord of class I appliances have a green/yellow core for earthing		P
	In multi-phase appliances, the colour of the neutral conductor of the supply cord is blue. (IEC 60335-1:2010 (ed.5), am1)		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
25.11	Conductors of supply cords not consolidated by soldering where they are subject to contact pressure, unless		P
	the contact pressure is provided by spring terminals		N/A
25.12	Insulation of the supply cord not damaged when moulding the cord to part of the enclosure		N/A
25.13	Inlet openings so constructed as to prevent damage to the supply cord		P
	If it is not evident that the supply cord can be introduced without risk of damage, a non-detachable lining or bushing complying with 29.3 for supplementary insulation provided (IEC 60335-1:2010 (ed.5), am1)		N/A
	If unsheathed supply cord, a similar additional bushing or lining is required, unless the appliance is		N/A
	class 0, or		N/A
	a class III appliance not containing live parts		N/A
25.14	Supply cords moved while in operation adequately protected against excessive flexing		N/A
	Flexing test, as described:		N/A
	- applied force (N).....:		N/A
	- number of flexings.....:		N/A
	The test does not result in:		N/A
	- short-circuit between the conductors, such that the current exceeds a value of twice the rated current		N/A
	- breakage of more than 10 % of the strands of any conductor		N/A
	- separation of the conductor from its terminal		N/A
	- loosening of any cord guard		N/A
	- damage to the cord or the cord guard		N/A
	- broken strands piercing the insulation and becoming accessible		N/A
25.15	For appliances with supply cord and appliances to be permanently connected to fixed wiring by a flexible cord, conductors of the supply cord relieved from strain, twisting and abrasion by use of cord anchorage	Cord anchorage provided	P
	The cord cannot be pushed into the appliance to such an extent that the cord or internal parts of the appliance can be damaged		P

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Clause	Requirement + Test	Result - Remark	Verdict
	Pull and torque test of supply cord: (IEC 60335-1:2010 (ed.5), am1)		P
	- fixed appliances: pull 100 N; torque (not on automatic cord reel) (Nm): (IEC 60335-1:2010 (ed.5), am1)	100N; 0.35Nm	P
	- other appliances: values shown in table 12: mass (kg); pull (N); torque (not on automatic cord reel) (Nm): (IEC 60335-1:2010 (ed.5), am1)		N/A
	Cord not damaged and max. 2 mm displacement of the cord		P
25.16	Cord anchorages for type X attachments constructed and located so that:		N/A
	- replacement of the cord is easily possible		N/A
	- it is clear how the relief from strain and the prevention of twisting are obtained		N/A
	- they are suitable for different types of supply cord		N/A
	- cord cannot touch the clamping screws of cord anchorage if these screws are accessible, unless		N/A
	they are separated from accessible metal parts by supplementary insulation		N/A
	- the cord is not clamped by a metal screw which bears directly on the cord		N/A
	- at least one part of the cord anchorage securely fixed to the appliance, unless		N/A
	it is part of a specially prepared cord		N/A
	- screws which have to be operated when replacing the cord do not fix any other component, unless		N/A
	the appliance becomes inoperative or incomplete or the parts cannot be removed without a tool		N/A
	- if labyrinths can be bypassed the test of 25.15 is nevertheless withstood		N/A
	- for class 0, 0I and I appliances they are of insulating material or are provided with an insulating lining, unless		N/A
	failure of the insulation of the cord does not make accessible metal parts live		N/A
	- for class II appliances they are of insulating material, or		N/A
	if of metal, they are insulated from accessible metal parts by supplementary insulation		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	After the test of 25.15, under the conditions specified, the conductors have not moved by more than 1 mm in the terminals		N/A
25.17	Adequate cord anchorages for type Y and Z attachment, test with the cord supplied with the appliance		P
25.18	Cord anchorages only accessible with the aid of a tool, or		P
	Constructed so that the cord can only be fitted with the aid of a tool		P
25.19	Type X attachment, glands not used as cord anchorage in portable appliances		N/A
	Tying the cord into a knot or tying the cord with string not used		N/A
25.20	The conductors of the supply cord for type Y and Z attachment insulated from accessible metal parts (IEC 60335-1:2010 (ed.5), am1)		P
25.21	Space for supply cord for type X attachment or for connection of fixed wiring constructed:		P
	- to permit checking of conductors with respect to correct positioning and connection before fitting any cover		P
	- so there is no risk of damage to the conductors or their insulation when fitting the cover		P
	- for portable appliances, so that the uninsulated end of a conductor, if it becomes free from the terminal, prevented from contact with accessible metal parts		N/A
	2 N test to the conductor for portable appliances; no contact with accessible metal parts		N/A
25.22	Appliance inlets:		N/A
	- live parts not accessible during insertion or removal		N/A
	Requirement not applicable to appliance inlets complying with IEC 60320-1		N/A
	- connector can be inserted without difficulty		N/A
	- the appliance is not supported by the connector		N/A
	- not for cold conditions if temp. rise of external metal parts exceeds 75 K during clause 11, unless		N/A
	the supply cord is unlikely to touch such metal parts		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
25.23	Interconnection cords comply with the requirements for the supply cord, except that:		P
	- the cross-sectional area of the conductors is determined on the basis of the maximum current during clause 11		P
	- the thickness of the insulation may be reduced		N/A
	If necessary, electric strength test of 16.3		N/A
25.24	Interconnection cords not detachable without the aid of a tool if compliance with this standard is impaired when they are disconnected		P
25.25	Dimensions of pins that are inserted into socket-outlets compatible with the dimensions of the relevant socket-outlet.		N/A
	Dimensions of pins and engagement face in accordance with the dimensions of the relevant plug in IEC/TR 60083		N/A
26	TERMINALS FOR EXTERNAL CONDUCTORS		P
26.1	Appliances provided with terminals or equally effective devices for connection of external conductors		P
	Terminals only accessible after removal of a non-detachable cover, except		P
	for class III appliances that do not contain live parts		N/A
	Earthing terminals may be accessible if a tool is required to make the connections and means are provided to clamp the wire independently from its connection		N/A
26.2	Appliances with type X attachment and appliances for the connection of cables to fixed wiring provided with terminals in which connections are made by means of screws, nuts or similar devices, unless		P
	the connections are soldered		N/A
	Screws and nuts not used to fix any other component, except		P
	internal conductors, if so arranged that they are unlikely to be displaced when fitting the supply conductors		P
	If soldered connections used, the conductor so positioned or fixed that reliance is not placed on soldering alone, unless		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	barriers provided so that neither clearances nor creepage distances between live parts and other metal parts reduced below the values for supplementary insulation if the conductor becomes free at the soldered joint		N/A
26.3	Terminals for type X attachment and for connection of cables of fixed wiring so constructed that the conductor is clamped between metal surfaces with sufficient contact pressure but without damaging the conductor		P
	Terminals fixed so that when the clamping means is tightened or loosened:		P
	- the terminal does not become loose		P
	- internal wiring is not subjected to stress		P
	- neither clearances nor creepage distances are reduced below the values in clause 29		P
	Compliance checked by inspection and by the test of subclause 9.6 of IEC 60999-1, the torque applied being equal to two-thirds of the torque specified (Nm).....:		P
	No deep or sharp indentations of the conductors		P
26.4	Terminals for type X attachment, except those having a specially prepared cord and those for the connection of cables of fixed wiring, no special preparation of conductors such as by soldering, use of cable lugs, eyelets or similar, and		P
	so constructed or placed that conductors prevented from slipping out when clamping screws or nuts are tightened		P
26.5	Terminals for type X attachment so located or shielded that if a wire of a stranded conductor escapes, no risk of accidental connection to other parts that result in a hazard		N/A
	Stranded conductor test, 8 mm insulation removed		N/A
	No contact between live parts and accessible metal parts and,		N/A
	for class II constructions, between live parts and metal parts separated from accessible metal parts by supplementary insulation only		N/A
26.6	Terminals for type X attachment and for connection of cables of fixed wiring suitable for connection of conductors with cross-sectional area according to table 13; rated current (A); nominal cross-sectional area (mm ²).....:	See installation manual	P

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Clause	Requirement + Test	Result - Remark	Verdict
	If a specially prepared cord is used, terminals need only be suitable for that cord		N/A
26.7	Terminals for type X attachment, except in class III appliances not containing live parts, accessible after removal of a cover or part of the enclosure		N/A
26.8	Terminals for the connection of fixed wiring, including the earthing terminal, located close to each other		P
26.9	Terminals of the pillar type constructed and located as specified		N/A
26.10	Terminals with screw clamping and screwless terminals not used for flat twin tinsel cords, unless		P
	conductors ends fitted with means suitable for screw terminals		N/A
	Pull test of 5 N to the connection		P
26.11	For type Y and Z attachment, soldered, welded, crimped or similar connections may be used		N/A
	For class II appliances, the conductor so positioned or fixed that reliance is not placed on soldering, welding or crimping alone		N/A
	If soldering, welding or crimping alone used, barriers provided so that clearances and creepage distances between live parts and other metal parts are not reduced below the values for supplementary insulation if the conductor becomes free		N/A
27	PROVISION FOR EARTHING		P
27.1	Accessible metal parts of class 0I and I appliances permanently and reliably connected to an earthing terminal or earthing contact of the appliance inlet		P
	Earthing terminals and earthing contacts not connected to the neutral terminal		P
	Class 0, II and III appliances have no provision for protective earthing (IEC 60335-1:2010 (ed.5), am1)	Class I appliance	N/A
	Class II appliances and class III appliances can incorporate an earth for functional purposes (IEC 60335-1:2010 (ed.5), am1)	Class I appliance	N/A
	Safety extra-low voltage circuits not earthed, unless	Class I appliance	N/A
	protective extra-low voltage circuits		N/A
27.2	Clamping means of earthing terminals adequately secured against accidental loosening		P

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Clause	Requirement + Test	Result - Remark	Verdict
	Terminals for the connection of external equipotential bonding conductors allow connection of conductors of 2,5 to 6 mm ² , and	No such construction	N/A
	do not provide earthing continuity between different parts of the appliance, and		N/A
	conductors cannot be loosened without the aid of a tool		P
	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes (IEC 60335-1:2010 (ed.5), am1)		N/A
27.3	For a detachable part having an earth connection and being plugged into another part of the appliance, the earth connection is made before and separated after current-carrying connections when removing the part		N/A
	For appliances with supply cords, current-carrying conductors become taut before earthing conductor, if the cord slips out of the cord anchorage		P
	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes (IEC 60335-1:2010 (ed.5), am1)		N/A
27.4	No risk of corrosion resulting from contact between parts of the earthing terminal and the copper of the earthing conductor or other metal		P
	Parts providing earthing continuity, other than parts of a metal frame or enclosure, have adequate resistance to corrosion		P
	If of steel, these parts provided with an electroplated coating with a thickness at least 5 µm		P
	Adequate protection against rusting of parts of coated or uncoated steel, only intended to provide or transmit contact pressure		P
	In the body of the earthing terminal is a part of a frame or enclosure of aluminium or aluminium alloys, precautions taken to avoid risk of corrosion		N/A
	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes (IEC 60335-1:2010 (ed.5), am1)		N/A
27.5	Low resistance of connection between earthing terminal and earthed metal parts		P

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Clause	Requirement + Test	Result - Remark	Verdict
	This requirement does not apply to connections providing earthing continuity in the protective extra-low voltage circuit, provided the clearances of basic insulation are based on the rated voltage of the appliance		N/A
	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes (IEC 60335-1:2010 (ed.5), am1)		N/A
	Resistance not exceeding 0,1 Ω at the specified low-resistance test (Ω)	0.046 Ω	P
	If the ground continuity between system components meets the minimum values specified in 27.5, it is considered to meet the requirements without dedicated grounding conductors. (IEC 60335-2-40 (ed.5))		P
27.6	The printed conductors of printed circuit boards not used to provide earthing continuity in hand-held appliances.		N/A
	They may be used to provide earthing continuity in other appliances if at least two tracks are used with independent soldering points and the appliance complies with 27.5 for each circuit		N/A
	Requirements not applicable to class II appliances and class III appliances that incorporate an earth for functional purposes (IEC 60335-1:2010 (ed.5), am1)		N/A
28	SCREWS AND CONNECTIONS		P
28.1	Fixings, electrical connections and connections providing earthing continuity withstand mechanical stresses		P
	Screws not of soft metal liable to creep, such as zinc or aluminium		P
	Diameter of screws of insulating material min. 3 mm		N/A
	Screws of insulating material not used for any electrical connections or connections providing earthing continuity		P
	Screws used for electrical connections or connections providing earthing continuity screwed into metal		P
	Screws not of insulating material if their replacement by a metal screw can impair supplementary or reinforced insulation		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	For type X attachment, screws to be removed for replacement of supply cord or for user maintenance, not of insulating material if their replacement by a metal screw impairs basic insulation		N/A
	For screws and nuts; torque-test as specified in table 14.....:	(see appended table)	P
28.2	Electrical connections and connections providing earthing continuity constructed so that contact pressure is not transmitted through non-ceramic insulating material liable to shrink or distort, unless		P
	there is resiliency in the metallic parts to compensate for shrinkage or distortion of the insulating material		N/A
	This requirement does not apply to electrical connections in circuits of appliances for which:		P
	- 30.2.2 is applicable and that carry a current not exceeding 0,5 A		N/A
	- 30.2.3 is applicable and that carry a current not exceeding 0,2 A		P
28.3	Space-threaded (sheet metal) screws only used for electrical connections if they clamp the parts together		N/A
	Thread-cutting (self-tapping) screws and thread rolling screws only used for electrical connections if they generate a full form standard machine screw thread	No such construction	N/A
	Thread-cutting (self-tapping) screws not used if they are likely to be operated by the user or installer		N/A
	Thread-cutting, thread rolling and space threaded screws may be used in connections providing earthing continuity provided it is not necessary to disturb the connection:		P
	- in normal use,		P
	- during user maintenance,		P
	- when replacing a supply cord having a type X attachment, or		N/A
	- during installation		P
	At least two screws being used for each connection providing earthing continuity, unless		N/A
	the screw forms a thread having a length of at least half the diameter of the screw		P

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Clause	Requirement + Test	Result - Remark	Verdict
28.4	Screws and nuts that make mechanical connection secured against loosening if they also make electrical connections or connections providing earthing continuity		N/A
	This requirement does not apply to screws in the earthing circuit if at least two screws are used, or		N/A
	if an alternative earthing circuit is provided		N/A
	Rivets for electrical connections or connections providing earthing continuity secured against loosening if the connections are subjected to torsion		N/A
29	CLEARANCES, CREEPAGE DISTANCES AND SOLID INSULATION		P
	Clearances, creepage distances and solid insulation withstand electrical stress		P
	For coatings used on printed circuits boards to protect the microenvironment (Type 1) or to provide basic insulation (Type 2), annex J applies		N/A
	The microenvironment is pollution degree 1 under type 1 protection		N/A
	For type 2 protection, the spacing between the conductors before the protection is applied is not less than the values specified in Table 1 of IEC 60664-3		N/A
	These values apply to functional, basic, supplementary and reinforced insulation		N/A
	For motor-compressor not complying with IEC 60335-2-34, additions and modifications as specified (IEC 60335-2-40 (ed.5))		P
29.1	Clearances not less than the values specified in table 16, taking into account the rated impulse voltage for the overvoltage categories of table 15, unless	(see appended table)	P
	for basic insulation and functional insulation they comply with the impulse voltage test of clause 14		N/A
	However, if the distances are affected by wear, distortion, movement of the parts or during assembly, the clearances for rated impulse voltages of 1500 V and above are increased by 0,5 mm and the impulse voltage test is not applicable		P

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Clause	Requirement + Test	Result - Remark	Verdict
	For appliances intended for use at altitudes exceeding 2 000 m, the clearances in Table 16 is increased according to the relevant multiplier values in Table A.2 of IEC 60664-1 (IEC 60335-1:2010 (ed.5), am1)		N/A
	Impulse voltage test is not applicable:		N/A
	- when the microenvironment is pollution degree 3, or		N/A
	- for basic insulation of class 0 and class 01 appliances		N/A
	- to appliances intended for use at altitudes exceeding 2 000 m (IEC 60335-1:2010 (ed.5), am1)		N/A
	Appliances are in overvoltage category II		P
	A force of 2 N is applied to bare conductors, other than heating elements		P
	A force of 30 N is applied to accessible surfaces		P
29.1.1	Clearances of basic insulation withstand the overvoltages, taking into account the rated impulse voltage		P
	The values of table 16 or the impulse voltage test of clause 14 are applicable.....:	(see appended table)	P
	Clearance at the terminals of tubular sheathed heating elements may be reduced to 1,0 mm if the microenvironment is pollution degree 1		N/A
	Lacquered conductors of windings considered to be bare conductors		P
29.1.2	Clearances of supplementary insulation not less than those specified for basic insulation in table 16	(see appended table)	P
29.1.3	Clearances of reinforced insulation not less than those specified for basic insulation in table 16, using the next higher step for rated impulse voltage	(see appended table)	P
	For double insulation, with no intermediate conductive part between basic and supplementary insulation, clearances are measured between live parts and the accessible surface, and the insulation system is treated as reinforced insulation		P
29.1.4	Clearances for functional insulation are the largest values determined from:		P
	- table 16 based on the rated impulse voltage	(see appended table)	P
	- table F.7a in IEC 60664-1, frequency not exceeding 30 kHz		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- clause 4 of IEC 60664-4, frequency exceeding 30 kHz		N/A
	If values of table 16 are largest, the impulse voltage test of clause 14 may be applied instead, unless		N/A
	the microenvironment is pollution degree 3, or		P
	the distances can be affected by wear, distortion, movement of the parts or during assembly		N/A
	However, clearances are not specified if the appliance complies with clause 19 with the functional insulation short-circuited		N/A
	Lacquered conductors of windings considered to be bare conductors		P
	However, clearances at crossover points are not measured		P
	Clearance between surfaces of PTC heating elements may be reduced to 1mm		N/A
29.1.5	Appliances having higher working voltages than rated voltage, clearances for basic insulation are the largest values determined from:		P
	- table 16 based on the rated impulse voltage		P
	- table F.7a in IEC 60664-1, frequency not exceeding 30 kHz		N/A
	- clause 4 of IEC 60664-4, frequency exceeding 30 kHz		N/A
	If clearances for basic insulation are selected from Table F.7a of IEC 60664-1 or clause 4 of IEC 60664-4, the clearances of supplementary insulation are not less than those specified for basic insulation		N/A
	If clearances for basic insulation are selected from Table F.7a of IEC 60664-1, the clearances of reinforced insulation dimensioned as specified in Table F.7a are to withstand 160% of the withstand voltage required for basic insulation		N/A
	If clearances for basic insulation are selected from clause 4 of IEC 60664-4, the clearances of reinforced insulation are twice the value required for basic insulation		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	If the secondary winding of a step-down transformer is earthed, or if there is an earthed screen between the primary and secondary windings, clearances of basic insulation on the secondary side not less than those specified in table 16, but using the next lower step for rated impulse voltage		N/A
	Circuits supplied with a voltage lower than rated voltage, clearances of functional insulation are based on the working voltage used as the rated voltage in table 15		N/A
29.2	Creepage distances not less than those appropriate for the working voltage, taking into account the material group and the pollution degree.....:	(see appended table)	P
	Pollution degree 2 applies, unless		P
	- precautions taken to protect the insulation; pollution degree 1		N/A
	- insulation subjected to conductive pollution; pollution degree 3		N/A
	A force of 2 N is applied to bare conductors, other than heating elements		P
	A force of 30 N is applied to accessible surfaces		P
	In a double insulation system, the working voltage for both the basic and supplementary insulation is taken as the working voltage across the complete double insulation system		P
	Insulation located in airflow, pollution degree 3 unless (IEC 60335-2-40 (ed.5))		N/A
	insulation enclosed or located so that unlikely to be exposed to pollution due to normal use (IEC 60335-2-40 (ed.5))		P
29.2.1	Creepage distances of basic insulation not less than specified in table 17.....:	(see appended table)	P
	However, if the working voltage is periodic and has a frequency exceeding 30 kHz, the creepage distances are also determined from table 2 of IEC 60664-4, these values being used if exceeding the values in table 17		N/A
	Except for pollution degree 1, corresponding creepage distance not less than the minimum specified for the clearance in table 16, if the clearance has been checked according to the test of clause 14		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
29.2.2	Creepage distances of supplementary insulation at least those specified for basic insulation in table 17, or	(see appended table)	P
	Table 2 of IEC 60664-4, as applicable		N/A
29.2.3	Creepage distances of reinforced insulation at least double those specified for basic insulation in table 17, or	(see appended table)	P
	Table 2 of IEC 60664-4, as applicable		N/A
29.2.4	Creepage distances of functional insulation not less than specified in table 18.....	(see appended table)	P
	However, if the working voltage is periodic and has a frequency exceeding 30 kHz, the creepage distances are also determined from table 2 of IEC 60664-4, these values being used if exceeding the values in table 18		N/A
	Creepage distances may be reduced if the appliance complies with clause 19 with the functional insulation short-circuited		N/A
29.3	Supplementary and reinforced insulation have adequate thickness, or a sufficient number of layers, to withstand the electrical stresses		P
	Compliance checked:		P
	- by measurement, in accordance with 29.3.1, or		P
	- by an electric strength test in accordance with 29.3.2, or		N/A
	- for insulation, other than single layer internal wiring insulation, by an assessment of the thermal quality of the material combined with an electric strength test, in accordance with 29.3.3, and (IEC 60335-1:2010 (ed.5), am1)		N/A
	for accessible parts of reinforced insulation consisting of a single layer, by measurement in accordance with 29.3.4, or		N/A
	- by an assessment of the thermal quality of the material according to 29.3.3 combined with an electric strength test in accordance with 23.5, for each single layer internal wiring insulation touching each other, or (IEC 60335-1:2010 (ed.5), am1)		N/A
	- as specified in subclause 6.3 of IEC 60664-4 for insulation that is subjected to any periodic voltage having a frequency exceeding 30 kHz		N/A
29.3.1	Supplementary insulation have a thickness of at least 1 mm		P

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Clause	Requirement + Test	Result - Remark	Verdict
	Reinforced insulation have a thickness of at least 2 mm		P
29.3.2	Each layer of material withstand the electric strength test of 16.3 for supplementary insulation		N/A
	Supplementary insulation consist of at least 2 layers		N/A
	Reinforced insulation consist of at least 3 layers		N/A
29.3.3	The insulation is subjected to the dry heat test Bb of IEC 60068-2-2, followed by		N/A
	the electric strength test of 16.3		N/A
	If the temperature rise during the tests of clause 19 does not exceed the value specified in table 3, the test of IEC 60068-2-2 is not carried out		N/A
29.3.4	Thickness of accessible parts of reinforced insulation consisting of a single layer not less than specified in table 19.....:		N/A
30	RESISTANCE TO HEAT AND FIRE		P
30.1	External parts of non-metallic material,		P
	parts supporting live parts, and		P
	parts of thermoplastic material providing supplementary or reinforced insulation		P
	sufficiently resistant to heat		P
	Ball-pressure test according to IEC 60695-10-2		P
	External parts tested at 40 °C plus the maximum temperature rise determined during the test of clause 11, or at 75 °C, whichever is the higher; temperature (°C).....:	(see appended table)	P
	Parts supporting live parts tested at 40 °C plus the maximum temperature rise determined during the test of clause 11, or at 125 °C, whichever is the higher; temperature (°C).....:	(see appended table)	P
	Parts of thermoplastic material providing supplementary or reinforced insulation tested at 25 °C plus the maximum temperature rise determined during clause 19, if higher; temperature (°C)	(see appended table)	P
30.2	Parts of non-metallic material resistant to ignition and spread of fire		P
	This requirement does not apply to:		P

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Clause	Requirement + Test	Result - Remark	Verdict
	parts having a mass not exceeding 0,5 g, provided the cumulative effect is unlikely to propagate flames that originate inside the appliance by propagating flames from one part to another, or		P
	decorative trims, knobs and other parts unlikely to be ignited or to propagate flames that originate inside the appliance		P
	Compliance checked by the test of 30.2.1, and in addition:		P
	- for attended appliances, 30.2.2 applies		N/A
	- for unattended appliances, 30.2.3 applies		P
	For appliances for remote operation, 30.2.3 applies		N/A
	For base material of printed circuit boards, 30.2.4 applies		P
30.2.1	Parts of non-metallic material subjected to the glow-wire test of IEC 60695-2-11 at 550 °C		P
	However, test not carried out if the material is classified as having a glow-wire flammability index according to IEC 60695-2-12 of at least 550 °C, or		N/A
	the material is classified at least HB40 according to IEC 60695-11-10		N/A
	Parts for which the glow-wire test cannot be carried out need to meet the requirements in ISO 9772 for material classified HBF		N/A
30.2.3	Appliances operated while unattended, tested as specified in 30.2.3.1 and 30.2.3.2		P
	The tests are not applicable to conditions as specified	Soldered connection and connections on small components on PCB	P
30.2.3.1	Parts of non-metallic material supporting connections carrying a current exceeding 0,2 A during normal operation, and		P
	parts of non-metallic material, other than small parts, within a distance of 3 mm,		P
	subjected to the glow-wire test of IEC 60695-2-11 with a test severity of 850 °C		P
	Glow-wire applied to an interposed shielding material, if relevant		N/A
	The glow-wire test is not carried out on parts of material classified as having a glow-wire flammability index according to IEC 60695-2-12 of at least 850 °C		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
30.2.3.2	Parts of non-metallic material supporting connections, and		P
	parts of non-metallic material within a distance of 3 mm,		P
	subjected to glow-wire test of IEC 60695-2-11		P
	The test severity is:		N/A
	- 750 °C, for connections carrying a current exceeding 0,2 A during normal operation		P
	- 650 °C, for other connections		N/A
	Glow-wire applied to an interposed shielding material, if relevant		P
	However, the glow-wire test of 750 °C or 650 °C as appropriate, is not carried out on parts of material fulfilling both or either of the following classifications:		N/A
	- a glow-wire ignition temperature according to IEC 60695-2-13 of at least:		N/A
	- 775 °C, for connections carrying a current exceeding 0,2 A during normal operation		N/A
	- 675 °C, for other connections		N/A
	- a glow-wire flammability index according to IEC 60695-2-12 of at least:		N/A
	- 750 °C, for connections carrying a current exceeding 0,2 A during normal operation		N/A
	- 650 °C, for other connections		N/A
	The glow-wire test is also not carried out on small parts. These parts are to:		N/A
	- comprise material having a glow-wire ignition temperature of at least 775 °C or 675 °C as appropriate, or		N/A
	- comprise material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or		N/A
	- comply with the needle-flame test of annex E, or		N/A
	- comprise material classified as V-0 or V-1 according to IEC 60695-11-10		N/A
	The consequential needle-flame test of annex E applied to non-metallic parts that encroach within the vertical cylinder placed above the centre of the connection zone and on top of the non-metallic parts supporting current-carrying connections, and parts of non-metallic material within a distance of 3 mm of such connections if these parts are those:		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- parts that withstood the glow-wire test of IEC 60695-2-11 of 750 °C or 650 °C as appropriate, but produce a flame that persist longer than 2 s, or		P
	- parts that comprised material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or		N/A
	- small parts, that comprised material having a glow-wire flammability index of at least 750 °C or 650 °C as appropriate, or		N/A
	- small parts for which the needle-flame test of annex E was applied, or		N/A
	- small parts for which a material classification of V-0 or V-1 was applied		N/A
	However, the consequential needle-flame test is not carried out on non-metallic parts, including small parts, within the cylinder that are:		N/A
	- parts having a glow-wire ignition temperature of at least 775 °C or 675 °C as appropriate, or		N/A
	- parts comprising material classified as V-0 or V-1 according to IEC 60695-11-10, or		N/A
	- parts shielded by a flame barrier that meets the needle-flame test of annex E or that comprises material classified as V-0 or V-1 according to IEC 60695-11-10		N/A
30.2.4	Base material of printed circuit boards subjected to the needle-flame test of annex E		P
	Test not applicable to conditions as specified.....:	V-0	P
31	RESISTANCE TO RUSTING		P
	Relevant ferrous parts adequately protected against rusting		P
	Tests specified in part 2 when necessary		P
	Salt mist test of IEC 60068-2-52, severity 2 (IEC 60335-2-40 (ed.5))		P
	Before test, coatings are scratched by means of a harden steel pin as specified (IEC 60335-2-40 (ed.5))		P
	Five scratches made at least 5 mm apart and at least 5 mm from the edges (IEC 60335-2-40 (ed.5))		P
	Appliance not deteriorated to such an extent that compliance with clause 8 and 27 is impaired (IEC 60335-2-40 (ed.5))		P

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Clause	Requirement + Test	Result - Remark	Verdict
	Coating not be broken and not loosened from the metal surface (IEC 60335-2-40 (ed.5))		P
32	RADIATION, TOXICITY AND SIMILAR HAZARDS		P
	Appliance does not emit harmful radiation or present a toxic or similar hazard due to their operation in normal use		P
	Compliance is checked by the limits or tests specified in part 2, if relevant		P
A	ANNEX A (INFORMATIVE) ROUTINE TESTS		N/A
	Description of routine tests to be carried out by the manufacturer		N/A
B	ANNEX B (NORMATIVE) APPLIANCES POWERED BY RECHARGEABLE BATTERIES		N/A
	The following modifications to this standard are applicable for appliances powered by batteries that are recharged in the appliance		N/A
	This annex does not apply to battery chargers		N/A
	Three forms of construction covered: (IEC 60335-1:2010 (ed.5), am1)		N/A
	a) Appliance supplied directly from the supply mains or a renewable energy source, the battery charging circuitry and other supply unit circuitry incorporated within the appliance (IEC 60335-1:2010 (ed.5), am1)		N/A
	b) The part of the appliance incorporating the battery is supplied from the supply mains or a renewable energy source, via a detachable supply unit. The battery charging circuitry is incorporated within the part of the appliance containing the battery (IEC 60335-1:2010 (ed.5), am1)		N/A
	c) The part of the appliance incorporating the battery is supplied from the supply mains or a renewable energy source, via a detachable supply unit. The battery charging circuitry is incorporated within the detachable supply unit (IEC 60335-1:2010 (ed.5), am1)		N/A
3.1.9	Appliance operated under the following conditions:		N/A
	- the appliance, supplied by its fully charged battery, operated as specified in relevant part 2		N/A
	- the battery is charged, the battery being initially discharged to such an extent that the appliance cannot operate		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- if possible, the appliance is supplied from the supply mains through its battery charger, the battery being initially discharged to such an extent that the appliance cannot operate. The appliance is operated as specified in relevant part 2		N/A
	- if the appliance incorporates inductive coupling between two parts that are detachable from each other, the appliance is supplied from the supply mains with the detachable part removed		N/A
3.6.2	Part to be removed in order to discard the battery is not considered to be detachable		N/A
5.B.101	Appliances supplied from the supply mains tested as specified for motor-operated appliances		N/A
7.1	Battery compartment for batteries intended to be replaced by the user, marked with battery voltage and polarity of the terminals		N/A
	The positive terminal indicated by symbol IEC 60417-5005 and the negative terminal by symbol IEC 60417-5006		N/A
	Appliances intending to be supplied from a detachable supply unit marked with symbol IEC 60417-6181 and its type reference along with symbol ISO 7000-0790 (2004-01), or (IEC 60335-1:2010 (ed.5), am1)		N/A
	use only with <model designation> supply unit : (IEC 60335-1:2010 (ed.5), am1)		N/A
7.6	Symbols 60417-5005 and IEC 60417-5006		N/A
7.12	The instructions give information regarding charging		N/A
	The instructions for appliances incorporating batteries intended to be replaced by the user includes required information		N/A
	Details about how to remove batteries containing materials hazardous to the environment given		N/A
	For appliances intending to be supplied from a detachable supply unit for the purposes of recharging the battery, the type reference of the detachable supply unit is stated along with the following: (IEC 60335-1:2010 (ed.5), am1)		N/A
	WARNING: For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance (IEC 60335-1:2010 (ed.5), am1)		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	If the symbol for detachable supply unit is used, its meaning is explained (IEC 60335-1:2010 (ed.5), am1)		N/A
7.15	Markings placed on the part of the appliance connected to the supply mains		N/A
	The type reference of the detachable supply unit is placed in close proximity to the symbol (IEC 60335-1:2010 (ed.5), am1)		N/A
8.2	Appliances having batteries that according to the instruction may be replaced by the user need only have basic insulation between live parts and the inner surface of the battery compartment		N/A
	If the appliance can be operated without batteries, double or reinforced insulation required		N/A
11.7	The battery is charged for the period stated in the instructions or 24 h		N/A
11.8	Temperature rise of the battery surface does not exceed the limit in the battery manufacturer's specification; measured (K); limit (K)		N/A
	If no limit specified, the temperature rise does not exceed 20 K; measured (K)		N/A
19.1	Appliances subjected to tests of 19.B.101, 19.B.102 and 19.B.103		N/A
19.10	Not applicable		N/A
19.B.101	Appliances supplied at rated voltage for 168 h, the battery being continually charged		N/A
19.B.102	For appliances having batteries that can be removed without the aid of a tool, short-circuit of the terminals of the battery, the battery being fully charged,		N/A
19.B.103	Appliances having batteries replaceable by the user supplied at rated voltage under normal operation with the battery removed or in any position allowed by the construction		N/A
19.13	The battery does not rupture or ignite (IEC 60335-1:2010 (ed.5), am1)		N/A
21.B.101	Appliances having pins for insertion into socket-outlets have adequate mechanical strength		N/A
	Part of the appliance incorporating the pins subjected to the free fall test, procedure 2, of IEC 60068-2-31, the number of falls being:		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	- 100, if the mass of the part does not exceed 250 g (g)		N/A
	- 50, if the mass of the part exceeds 250 g		N/A
	After the test, the requirements of 8.1, 15.1.1, 16.3 and clause 29 are met		N/A
22.3	Appliances having pins for insertion into socket-outlets tested as fully assembled as possible		N/A
25.13	An additional lining or bushing not required for interconnection cords in class III appliances or class III constructions operating at safety extra-low voltage not containing live parts		N/A
30.2	For parts of the appliance connected to the supply mains during the charging period, 30.2.3 applies		N/A
	For other parts, 30.2.2 applies		N/A
C	ANNEX C (NORMATIVE) AGEING TEST ON MOTORS		N/A
	Tests, as described, carried out when doubt with regard to the temperature classification of the insulation of a motor winding		N/A
	Test conditions as specified		N/A
E	ANNEX E (NORMATIVE) NEEDLE-FLAME TEST		P
	Needle-flame test carried out in accordance with IEC 60695-11-5, with the following modifications:		P
7	Severities		P
	The duration of application of the test flame is 30 s ± 1 s		P
9	Test procedure		P
9.1	The specimen so arranged that the flame can be applied to a vertical or horizontal edge as shown in the examples of figure 1		P
9.2	The first paragraph does not apply		P
	If possible, the flame is applied at least 10 mm from a corner		P
9.3	The test is carried out on one specimen		P
	If the specimen does not withstand the test, the test may be repeated on two additional specimens, both withstanding the test		N/A
11	Evaluation of test results		P

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Clause	Requirement + Test	Result - Remark	Verdict
	The duration of burning not exceeding 30 s		P
	However, for printed circuit boards, the duration of burning not exceeding 15 s		P
F	ANNEX F (NORMATIVE) CAPACITORS		N/A
	Capacitors likely to be permanently subjected to the supply voltage, and used for radio interference suppression or voltage dividing, comply with the following clauses of IEC 60384-14, with the following modifications:		N/A
1.5	Terms and definitions		N/A
1.5.3	Class X capacitors tested according to subclass X2		N/A
1.5.4	This subclause is applicable		N/A
1.6	Marking		N/A
	Items a) and b) are applicable		N/A
3.4	Approval testing		N/A
3.4.3.2	Table 3 is applicable as described		N/A
4.1	Visual examination and check of dimensions		N/A
	This subclause is applicable		N/A
4.2	Electrical tests		N/A
4.2.1	This subclause is applicable		N/A
4.2.5	This subclause is applicable		N/A
4.2.5.2	Only table 11 is applicable		N/A
	Values for test A apply		N/A
	However, for capacitors in heating appliances the values for test B or C apply		N/A
4.12	Damp heat, steady state		N/A
	This subclause is applicable		N/A
	Only insulation resistance and voltage proof are checked		N/A
4.13	Impulse voltage		N/A
	This subclause is applicable		N/A
4.14	Endurance		N/A
	Subclauses 4.14.1, 4.14.3, 4.14.4 and 4.14.7 are applicable		N/A
4.14.7	Only insulation resistance and voltage proof are checked		N/A
	No visible damage		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
4.17	Passive flammability test		N/A
	This subclause is applicable		N/A
4.18	Active flammability test		N/A
	This subclause is applicable		N/A
G	ANNEX G (NORMATIVE) SAFETY ISOLATING TRANSFORMERS		N/A
	The following modifications to this standard are applicable for safety isolating transformers:		N/A
7	Marking and instructions		N/A
7.1	Transformers for specific use marked with:		N/A
	- name, trademark or identification mark of the manufacturer or responsible vendor		N/A
	- model or type reference		N/A
17	Overload protection of transformers and associated circuits		N/A
	Fail-safe transformers comply with subclause 15.5 of IEC 61558-1		N/A
22	Construction		N/A
	Subclauses 19.1 and 19.1.2 of IEC 61558-2-6 are applicable		N/A
29	Clearances, creepage distances and solid insulation		N/A
29.1, 29.2, 29.3	The distances specified in items 2a, 2c and 3 in table 13 of IEC 61558-1 apply		N/A
	For insulated winding wires complying with subclause 19.12.3 of IEC 61558-1 there are no requirements for clearances or creepage distances		N/A
	For windings providing reinforced insulation, the distance specified in item 2c of table 13 of IEC 61558-1 is not assessed		N/A
	For safety isolating transformers subjected to periodic voltages with a frequency exceeding 30 kHz, the clearances, creepage distances and solid insulation values specified in IEC 60664-4 are applicable, if greater than the values specified in items 2a, 2c and 3 in table 13 of IEC 61558-1		N/A
H	ANNEX H (NORMATIVE) SWITCHES		N/A
	Switches comply with the following clauses of IEC 61058-1, as modified below:		N/A
	The tests of IEC 61058-1 carried out under the conditions occurring in the appliance		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Before being tested, switches are operated 20 times without load		N/A
8	Marking and documentation		N/A
	Switches are not required to be marked		N/A
	However, a switch that can be tested separately from the appliance marked with the manufacturer's name or trade mark and the type reference		N/A
13	Mechanism		N/A
	The tests may be carried out on a separate sample		N/A
15	Insulation resistance and dielectric strength		N/A
15.1	Not applicable		N/A
15.2	Not applicable		N/A
15.3	Applicable for full disconnection and micro-disconnection		N/A
17	Endurance		N/A
	Compliance is checked on three separate appliances or switches		N/A
	For 17.2.4.4, the number of cycles declared according to 7.1.4 is 10 000, unless		N/A
	otherwise specified in 24.1.3 of the relevant part 2 of IEC 60335		N/A
	Switches for operation under no load and which can be operated only by a tool, and		N/A
	switches operated by hand that are interlocked so that they cannot be operated under load,		N/A
	are not subjected to the tests		N/A
	However, switches without this interlock are subjected to the test of 17.2.4.4 for 100 cycles of operation		N/A
	Subclauses 17.2.2 and 17.2.5.2 not applicable		N/A
	The ambient temperature during the test is that occurring in the appliance during the test of clause 11 in IEC 60335-1		N/A
	The temperature rise of the terminals not more than 30 K above the temperature rise measured in clause 11 of IEC 60335-1 (K)		N/A
20	Clearances, creepage distances, solid insulation and coatings of rigid printed board assemblies		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Clause 20 is applicable to clearances across full disconnection and micro-disconnection (IEC 60335-1:2010 (ed.5), am1)		N/A
	It is also applicable to creepage distances for functional insulation, across full disconnection and micro-disconnection, as stated in Table 24 (IEC 60335-1:2010 (ed.5), am1)		N/A
J	ANNEX J (NORMATIVE) COATED PRINTED CIRCUIT BOARDS		N/A
	Testing of protective coatings of printed circuit boards carried out in accordance with IEC 60664-3 with the following modifications:		N/A
5.7	Conditioning of the test specimens		N/A
	When production samples are used, three samples of the printed circuit board are tested		N/A
5.7.1	Cold		N/A
	The test is carried out at -25 °C		N/A
5.7.3	Rapid change of temperature		N/A
	Severity 1 is specified		N/A
5.9	Additional tests		N/A
	This subclause is not applicable		N/A
K	ANNEX K (NORMATIVE) OVERVOLTAGE CATEGORIES		P
	The information on overvoltage categories is extracted from IEC 60664-1		P
	Overvoltage category is a numeral defining a transient overvoltage condition		P
	Equipment of overvoltage category IV is for use at the origin of the installation		N/A
	Equipment of overvoltage category III is equipment in fixed installations and for cases where the reliability and the availability of the equipment is subject to special requirements		N/A
	Equipment of overvoltage category II is energy consuming equipment to be supplied from the fixed installation		P
	If such equipment is subjected to special requirements with regard to reliability and availability, overvoltage category III applies		N/A
	Equipment of overvoltage category I is equipment for connection to circuits in which measures are taken to limit transient overvoltages to an appropriate low level		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
L	ANNEX L (INFORMATIVE) GUIDANCE FOR THE MEASUREMENT OF CLEARANCES AND CREEPAGE DISTANCES		P
	Information for the determination of clearances and creepage distances		P
M	ANNEX M (NORMATIVE) POLLUTION DEGREE		P
	The information on pollution degrees is extracted from IEC 60664-1		P
	Pollution		P
	The microenvironment determines the effect of pollution on the insulation, taking into account the macroenvironment		P
	Means may be provided to reduce pollution at the insulation by effective enclosures or similar		P
	Minimum clearances specified where pollution may be present in the microenvironment		P
	Degrees of pollution in the microenvironment		P
	For evaluating creepage distances, the following degrees of pollution in the microenvironment are established:		P
	- pollution degree 1: no pollution or only dry, non-conductive pollution occurs. The pollution has no influence		N/A
	- pollution degree 2: only non-conductive pollution occurs, except that occasionally a temporary conductivity caused by condensation is to be expected		P
	- pollution degree 3: conductive pollution occurs or dry non-conductive pollution occurs that becomes conductive due to condensation that is to be expected	Fan motor, outdoor unit	P
	- pollution degree 4: the pollution generates persistent conductivity caused by conductive dust or by rain or snow		N/A
N	ANNEX N (NORMATIVE) PROOF TRACKING TEST		P
	The proof tracking test is carried out in accordance with IEC 60112 with the following modifications:		P
7	Test apparatus		P
7.3	Test solutions		P
	Test solution A is used		P

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Clause	Requirement + Test	Result - Remark	Verdict
10	Determination of proof tracking index (PTI)		P
10.1	Procedure		P
	The proof voltage is 100 V, 175 V, 400 V or 600 V:	175V	P
	The test is carried out on five specimens		P
	In case of doubt, additional test with proof voltage reduced by 25 V, the number of drops increased to 100		N/A
10.2	Report		N/A
	The report states if the PTI value was based on a test using 100 drops with a test voltage of (PTI-25) V		N/A
O	ANNEX O (INFORMATIVE) SELECTION AND SEQUENCE OF THE TESTS OF clause 30		P
	Description of tests for determination of resistance to heat and fire		P
P	ANNEX P (INFORMATIVE) GUIDANCE FOR THE APPLICATION OF THIS STANDARD TO APPLIANCES USED IN WARM DAMP EQUABLE CLIMATES		N/A
	Modifications applicable for class 0 and 0I appliances having a rated voltage exceeding 150 V, intended to be used in countries having a warm damp equable climate and that are marked WDaE		N/A
	Modifications may also be applied to class 1 appliances having a rated voltage exceeding 150 V, intended to be used in countries having a warm damp equable climate and that are marked WDaE, if liable to be connected to a supply mains that excludes the protective earthing conductor		N/A
5.7	The ambient temperature for the tests of clauses 11 and 13 is 40 +3/0 °C		N/A
7.1	The appliance marked with the letters WDaE		N/A
7.12	The instructions state that the appliance is to be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30 mA		N/A
	The instructions state that the appliance is considered to be suitable for use in countries having a warm damp equable climate, but may also be used in other countries		N/A
11.8	The values of Table 3 are reduced by 15 K		N/A
13.2	The leakage current for class I appliances not exceeding 0,5 mA		N/A
15.3	The value of t is 37 °C		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
16.2	The leakage current for class I appliances not exceeding 0,5 mA (mA):		N/A
19.13	The leakage current test of 16.2 is applied in addition to the electric strength test of 16.3		N/A
Q	ANNEX Q (INFORMATIVE) SEQUENCE OF TESTS FOR THE EVALUATION OF ELECTRONIC CIRCUITS		P
	Description of tests for appliances incorporating electronic circuits		P
R	ANNEX R (NORMATIVE) SOFTWARE EVALUATION		N/A
	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 validated in accordance with the requirements of this annex		N/A
R.1	Programmable electronic circuits using software		N/A
	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 constructed so that the software does not impair compliance with the requirements of this standard		N/A
R.2	Requirements for the architecture		N/A
	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2 use measures to control and avoid software-related faults/errors in safety-related data and safety-related segments of the software		N/A
R.2.1.1	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.2 have one of the following structures:		N/A
	- single channel with periodic self-test and monitoring		N/A
	- dual channel (homogenous) with comparison		N/A
	- dual channel (diverse) with comparison		N/A
	Programmable electronic circuits requiring software incorporating measures to control the fault/error conditions specified in table R.1 have one of the following structures:		N/A
	- single channel with functional test		N/A
	- single channel with periodic self-test		N/A
	- dual channel without comparison		N/A
R.2.2	Measures to control faults/errors		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
R.2.2.1	When redundant memory with comparison is provided on two areas of the same component, the data in one area is stored in a different format from that in the other area		N/A
R.2.2.2	Programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.2 and that use dual channel structures with comparison, have additional fault/error detection means for any fault/errors not detected by the comparison		N/A
R.2.2.3	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, means are provided for the recognition and control of errors in transmissions to external safety-related data paths		N/A
R.2.2.4	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, the programmable electronic circuits incorporate measures to address the fault/errors in safety-related segments and data indicated in table R.1 and R.2 as appropriate		N/A
R.2.2.5	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, detection of a fault/error occur before compliance with clause 19 is impaired		N/A
R.2.2.6	The software is referenced to relevant parts of the operating sequence and the associated hardware functions		N/A
R.2.2.7	Labels used for memory locations are unique		N/A
R.2.2.8	The software is protected from user alteration of safety-related segments and data		N/A
R.2.2.9	Software and safety-related hardware under its control is initialized and terminates before compliance with clause 19 is impaired		N/A
R.3	Measures to avoid errors		N/A
R.3.1	General		N/A
	For programmable electronic circuits with functions requiring software incorporating measures to control the fault/error conditions specified in table R.1 or R.2, the following measures to avoid systematic fault in the software are applied		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	Software that incorporates measures used to control the fault/error conditions specified in table R.2 is inherently acceptable for software required to control the fault/error conditions specified in table R.1		N/A
R.3.2	Specification		N/A
R.3.2.1	Software safety requirements:	Software Id:	N/A
	The specification of the software safety requirements includes the descriptions listed		N/A
R.3.2.2	Software architecture		N/A
R.3.2.2.1	The specification of the software architecture includes the aspects listed - techniques and measures to control software faults/errors (refer to R.2.2); - interactions between hardware and software; - partitioning into modules and their allocation to the specified safety functions; - hierarchy and call structure of the modules (control flow); - interrupt handling; - data flow and restrictions on data access; - architecture and storage of data; - time-based dependencies of sequences and data	Document ref. No:	N/A
R.3.2.2.2	The architecture specification is validated against the specification of the software safety requirements by static analysis		N/A
R.3.2.3	Module design and coding		N/A
R.3.2.3.1	Based on the architecture design, software is suitably refined into modules		N/A
	Software module design and coding is implemented in a way that is traceable to the software architecture and requirements		N/A
R.3.2.3.2	Software code is structured		N/A
R.3.2.3.3	Coded software is validated against the module specification by static analysis		N/A
	The module specification is validated against the architecture specification by static analysis		N/A
R.3.3.3	Software validation		N/A
	The software is validated with reference to the requirements of the software safety requirements specification		N/A

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Clause	Requirement + Test	Result - Remark	Verdict

	Compliance is checked by simulation of:		N/A
	- input signals present during normal operation		N/A
	- anticipated occurrences		N/A
	- undesired conditions requiring system action		N/A

TABLE R.1^e – GENERAL FAULT/ERROR CONDITIONS

Component ^a	Fault/error	Acceptable measures ^{b,c}	Definitions	Document reference for applied measure	Document reference for applied test	Verdict
1 CPU 1.1 Registers	Stuck at	Functional test, or periodic self-test using either: <ul style="list-style-type: none"> - static memory test, or - word protection with single bit redundancy 	H.2.16.5 H.2.16.6 H.2.19.6 H.2.19.8.2			N/A
1.2 VOID						N/A
1.3 Programme counter	Stuck at	Functional test, or Periodic self-test, or Independent time-slot monitoring, or Logical monitoring of the programme sequence	H.2.16.5 H.2.16.6 H.2.18.10.4 H.2.18.10.2			N/A
2 Interrupt handling and execution	No interrupt or too frequent interrupt	Functional test, or time-slot monitoring	H.2.16.5 H.2.18.10.4			N/A
3 Clock	Wrong frequency (for quartz synchronized clock: harmonics/sub-harmonics only)	Frequency monitoring, or time slot monitoring	H.2.18.10.1 H.2.18.10.4			N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

TABLE R.1 ^e – GENERAL FAULT/ERROR CONDITIONS						
Component ^a	Fault/error	Acceptable measures ^{b,c}	Definitions	Document reference for applied measure	Document reference for applied test	Verdict
4. Memory						N/A
4.1 Invariable memory	All single bit faults	Periodic modified checksum, or multiple checksum, or word protection with single bit redundancy	H.2.19.3.1 H.2.19.3.2 H.2.19.8.2			N/A
4.2 Variable memory	DC fault	Periodic static memory test, or word protection with single bit redundancy	H.2.19.6 H.2.19.8.2			N/A
4.3 Addressing (relevant to variable and invariable memory)	Stuck at	Word protection with single bit redundancy including the address	H.2.19.8.2			N/A
5 Internal data path	Stuck at	Word protection with single bit redundancy	H.2.19.8.2			N/A
5.1 VOID						N/A
5.2 Addressing	Wrong address	Word protection with single bit redundancy including the address	H.2.19.8.2			N/A
6 External communication	Hamming distance 3	Word protection with multi-bit redundancy, or CRC – single work, or Transfer redundancy, or Protocol test	H.2.19.8.1 H.2.19.4.1 H.2.18.2.2 H.2.18.14			N/A
6.1 VOID						N/A
6.2 VOID						N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

TABLE R.1 ^e – GENERAL FAULT/ERROR CONDITIONS						
Component ^a	Fault/error	Acceptable measures ^{b,c}	Definitions	Document reference for applied measure	Document reference for applied test	Verdict
6.3 Timing	Wrong point in time Wrong sequence	Time-slot monitoring, or scheduled transmission Time-slot and logical monitoring, or comparison of redundant communication channels by either: <ul style="list-style-type: none"> - reciprocal comparison - independent hardware comparator Logical monitoring, or time-slot monitoring, or Scheduled transmission	H.2.18.10.4 H.2.18.18 H.2.18.10.3 H.2.18.15 H.2.18.3 H.2.18.10.2 H.2.18.10.4 H.2.18.18			N/A
7 Input/output periphery	Fault conditions specified in 19.11.2	Plausibility check	H.2.18.13			N/A
7.1 VOID						N/A
7.2 Analog I/O						N/A
7.2.1 A/D and D/A-converter	Fault conditions specified in 19.11.2	Plausibility check	H.2.18.13			N/A
7.2.2 Analog multiplexer	Wrong addressing	Plausibility check	H.2.18.13			N/A
8 VOID						N/A
9 Custom chips ^d e.g. ASIC, GAL, gate array	Any output outside the static and dynamic functional specification	Periodic self-test	H.2.16.6			N/A

NOTE A Stuck-at fault model denotes a fault model representing an open circuit or a non-varying signal level. A DC fault model denotes a stuck-at fault model incorporating short circuit between signal lines.

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

TABLE R.1 ^e – GENERAL FAULT/ERROR CONDITIONS						
Component ^a	Fault/error	Acceptable measures ^{b,c}	Definitions	Document reference for applied measure	Document reference for applied test	Verdict
<p>a) For fault/error assessment, some components are divided into their sub-functions.</p> <p>b) For each sub-function in the table, the Table R.2 measure will cover the software fault/error.</p> <p>c) Where more than one measure is given for a sub-function, these are alternatives.</p> <p>d) To be divided as necessary by the manufacturer into sub-functions.</p> <p>e) Table R.1 is applied according to the requirements of R.1 to R.2.2.9 inclusive.</p>						

S	ANNEX S (NORMATIVE) BATTERY OPERATED APPLIANCES POWERED BY BATTERIES THAT ARE NON-RECHARGEABLE OR NOT RECHARGED IN THE APPLIANCE (IEC 60335-1:2010 (ed.5), am1)					N/A
	The following modifications to this standard are applicable for battery-operated appliances where the batteries are either non-rechargeable (primary batteries), or					N/A
	rechargeable batteries (secondary batteries) that are not recharged in the appliance					N/A
5.8.1	If the supply terminals for the connection of the battery have no indication of polarity, the more unfavourable polarity is applied					N/A
5.S.101	Appliances intended for use with a battery box are tested with the battery box supplied with the appliance or with the battery box recommended in the instructions					N/A
5.S.102	Appliances are tested as motor-operated appliances.					N/A
7.1	Appliances marked with the battery voltage (V) and the polarity of the terminals, unless.....:					N/A
	the polarity is irrelevant					N/A
	Appliances also marked with:					N/A
	- name, trade mark or identification mark of the manufacturer or responsible vendor					N/A
	- model or type reference					N/A
	- IP number according to degree of protection against ingress of water, other than IPX0					N/A
	- type reference of battery or batteries					N/A

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Clause	Requirement + Test	Result - Remark	Verdict
	If relevant, the positive terminal is indicated by the symbol IEC 60417-5005 and the negative terminal by the symbol IEC 60417-5006		N/A
	If appliances use more than one battery, they are marked to indicate correct polarity connection of the batteries		N/A
7.6	Additional symbols		N/A
7.12	The instructions contain the following, as applicable:		N/A
	- the types of batteries that may be used		N/A
	- how to remove and insert the batteries		N/A
	- non-rechargeable batteries are not to be recharged		N/A
	- rechargeable batteries are to be removed from the appliance before being charged		N/A
	- different types of batteries or new and used batteries are not to be mixed		N/A
	- batteries are to be inserted with the correct polarity		N/A
	- exhausted batteries are to be removed from the appliance and safely disposed of		N/A
	- if the appliance is to be stored unused for a long period, the batteries are removed		N/A
	- the supply terminals are not to be short-circuited		N/A
11.5	Appliances are supplied with the most unfavourable supply voltage between		N/A
	- 0,55 and 1,0 times the battery voltage, if the appliance can be used with non-rechargeable batteries		N/A
	- 0,75 and 1,0 times battery voltage, if the appliance is designed for use with rechargeable batteries only		N/A
	The values specified in Table S.101 for the internal resistance per cell of the battery is taken into account		N/A
19.1	The tests are carried out with the battery fully charged unless otherwise specified		N/A
19.13	The battery does not rupture or ignite		N/A
19.S.101	Appliances are supplied with the voltage specified in 11.5. The supply terminals having an indication of polarity are connected to the opposite polarity, unless		N/A
	such a connection is unlikely to occur due to the construction of the appliance		N/A

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Clause	Requirement + Test	Result - Remark	Verdict
19.S.102	For appliances with provision for multiple batteries, one or more of the batteries are reversed and the appliance is operated, if reversal of batteries is allowed by the construction		N/A
25.5	The flexible leads or flexible cord used to connect an external battery or battery box in is connected to the appliance by a type X attachment		N/A
25.13	This requirement is not applicable to the flexible leads or flexible cord connecting external batteries or a battery box with an appliance		N/A
25.S.101	Appliances have suitable means for connection of the battery. If the type of battery is marked on the appliance, the means of connection is suitable for this type of battery		N/A
26.5	Terminal devices in an appliance for the connection of the flexible leads or flexible cord connecting an external battery or battery box are so located or shielded that there is no risk of accidental connection between supply terminals		N/A
30.2.3.2	There is no battery in the area of the vertical cylinder used for the consequential needle flame test, unless		N/A
	the battery is shielded by a barrier that meets the needle flame test of annex E, or		N/A
	that comprises material classified as V-0 or V-1 according to IEC 60695-11-10		N/A
AA	ANNEX AA (INFORMATIVE) (IEC 60335-2-40 (ed.5)) EXAMPLES FOR OPERATING TEMPERATURES OF THE APPLIANCE		P
BB	ANNEX BB (NORMATIVE) (IEC 60335-2-40 (ed.5)) SELECTED INFORMATION ABOUT REFRIGERANTS		P
CC	ANNEX CC (INFORMATIVE) (IEC 60335-2-40 (ed.5)) TRANSPORTATION, MARKING AND STORAGE FOR UNITS THAT EMPLOY FLAMMABLE REFRIGERANTS		N/A
CC.1	Transport of equipment containing flammable refrigerants (IEC 60335-2-40 (ed.5))		N/A
CC.2	Marking of equipment using signs (IEC 60335-2-40 (ed.5))		N/A
CC.3	Disposal of equipment using flammable refrigerants (IEC 60335-2-40 (ed.5))		N/A
CC.4	Storage of equipment/appliances (IEC 60335-2-40 (ed.5))		N/A
CC.5	Storage of packed (unsold) equipment (IEC 60335-2-40 (ed.5))		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
DD	ANNEX DD (NORMATIVE) (IEC 60335-2-40 (ed.5)) INSTRUCTION MANUAL FOR SERVICING REFRIGERANT CONTAINING APPLIANCES		P
DD.1	Symbols (IEC 60335-2-40 (ed.5))		P
DD.2.	Information in manual (IEC 60335-2-40 (ed.5))		P
DD.2.1	General (IEC 60335-2-40 (ed.5), am1)		P
DD.2.2	Unventilated areas (IEC 60335-2-40 (ed.5))		P
DD.2.3	Qualification of workers (IEC 60335-2-40 (ed.5))		P
DD.3	Information on servicing (IEC 60335-2-40 (ed.5))		P
DD3.1	Checks to the area (IEC 60335-2-40 (ed.5))		P
DD.3.2	Work procedure (IEC 60335-2-40 (ed.5))		P
DD.3.3	General work area (IEC 60335-2-40 (ed.5))		P
DD.3.4	Checking for presence of refrigerant (IEC 60335-2-40 (ed.5))		P
DD.3.5	Presence of fire extinguisher (IEC 60335-2-40 (ed.5))		P
DD.3.6	No ignition sources (IEC 60335-2-40 (ed.5))		P
DD.3.7	Ventilated area (IEC 60335-2-40 (ed.5))		P
DD.3.8	Checks to the refrigeration equipment (IEC 60335-2-40 (ed.5), am1)		P
DD.3.9	Checks to electrical devices (IEC 60335-2-40 (ed.5))		P
DD.4	Repairs to sealed components (IEC 60335-2-40 (ed.5))		P
DD.5	Repair to intrinsically safe components (IEC 60335-2-40 (ed.5))		P
DD.6	Cabling (IEC 60335-2-40 (ed.5))		P
DD.7	Detection of flammable refrigerants (IEC 60335-2-40 (ed.5))		P
DD.8	Leak detection methods (IEC 60335-2-40 (ed.5))		P
DD.9	Removal and evacuation (IEC 60335-2-40 (ed.5))		P
DD.10	Charging procedures (IEC 60335-2-40 (ed.5))		P
DD.11	Decommissioning (IEC 60335-2-40 (ed.5))		P
DD.12	Labelling (IEC 60335-2-40 (ed.5))		P
DD.13	Recovery (IEC 60335-2-40 (ed.5))		P

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
EE	ANNEX EE (NORMATIVE) (IEC 60335-2-40 (ed.5)) PRESSURE TESTS		P
EE.1	General (IEC 60335-2-40 (ed.5))	Tested by the water pressure, connecting water pressure pump.	P
EE.2	Pressure test value determined under testing carried out in clause 11 (IEC 60335-2-40 (ed.5))		P
EE.3	Pressure test value determined under testing carried out in clause 19 (IEC 60335-2-40 (ed.5))		P
EE.4	Pressure test value determined under testing carried out under standstill conditions (IEC 60335-2-40 (ed.5))		P
EE.5	Fatigue test option for Clauses EE.1 and EE.4.1 (IEC 60335-2-40 (ed.5))		N/A
FF	ANNEX FF (NORMATIVE) (IEC 60335-2-40 (ed.5)) LEAK SIMULATION TESTS		N/A
FF.1	General (IEC 60335-2-40 (ed.5), am1)		N/A
FF.2	Test methods (IEC 60335-2-40 (ed.5), am1)		N/A
GG	ANNEX GG (NORMATIVE) (IEC 60335-2-40 (ed.5)) CHARGE LIMITS, VENTILATION REQUIREMENTS AND REQUIREMENTS FOR SECONDARY CIRCUITS		P
GG.1	General (IEC 60335-2-40 (ed.5), am1)		P
GG.2	Requirements for charge limits in unventilated areas (IEC 60335-2-40 (ed.5), am1)		P
GG.3	Requirements for charge limits in areas with mechanical ventilation areas (IEC 60335-2-40 (ed.5), am1)		N/A
GG.4	Requirements for mechanical ventilation within the appliance enclosure (IEC 60335-2-40 (ed.5), am1)		N/A
GG.5	Requirements for mechanical ventilation for rooms complying with ISO 5149 (IEC 60335-2-40 (ed.5))		N/A
GG.6	Requirements for refrigeration systems employing secondary heat exchangers (IEC 60335-2-40 (ed.5))		N/A
GG.7	Additional testing (IEC 60335-2-40 (ed.5))		N/A
GG.8	Non fixed factory sealed single package units with a refrigerant charge amount of $m_1 < m_c \leq 2 \times m_1$ (IEC 60335-2-40 (ed.5), am1)		N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

10.1	TABLE: Power input deviation					P
Input deviation of/at:	P rated (W)	P measured (W)	ΔP	Required ΔP	Remark	
Indoor / Outdoor : RAV-RM301SDT-E/RAV-GM301ATP-E						
220V, 50Hz	1550	1333	-14.0%	+15%	Cooling mode	
230V, 50Hz	1550	1370	-11.6%	+15%	Cooling mode	
240V, 50Hz	1550	1127	-27.3%	+15%	Cooling mode	
220V, 60Hz	1550	1296	-16.4%	+15%	Cooling mode	
220V, 50Hz	1550	721	-53.5%	+15%	Heating mode	
230V, 50Hz	1550	706	-54.5%	+15%	Heating mode	
240V, 50Hz	1550	707	-54.4%	+15%	Heating mode	
220V, 60Hz	1550	719	-53.6%	+15%	Heating mode	
Indoor / Outdoor : RAV-RM401MUT-E/RAV-GM401ATP-E						
220V, 50Hz	2070	1351	-34.7%	+15%	Cooling mode	
230V, 50Hz	2070	1366	-34.0%	+15%	Cooling mode	
240V, 50Hz	2070	1442	-30.3%	+15%	Cooling mode	
220V, 60Hz	2070	1327	-35.9%	+15%	Cooling mode	
220V, 50Hz	2070	1763	-14.8%	+15%	Heating mode	
230V, 50Hz	2070	1838	-11.2%	+15%	Heating mode	
240V, 50Hz	2070	1841	-11.1%	+15%	Heating mode	
220V, 60Hz	2070	1756	-15.2%	+15%	Heating mode	
Indoor / Outdoor : RAV-RM561MUT-E/RAV-GM561ATP-E						
220V, 50Hz	3000	2085	-30.5%	+15%	Cooling mode	
230V, 50Hz	3000	2177	-27.4%	+15%	Cooling mode	
240V, 50Hz	3000	2263	-24.6%	+15%	Cooling mode	
220V, 60Hz	3000	2177	-27.4%	+15%	Cooling mode	
220V, 50Hz	3000	2226	-25.8%	+15%	Heating mode	
230V, 50Hz	3000	2252	-24.9%	+15%	Heating mode	
240V, 50Hz	3000	2209	-26.4%	+15%	Heating mode	
220V, 60Hz	3000	2209	-26.4%	+15%	Heating mode	

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Input deviation of/at:	P rated (W)	P measured (W)	ΔP	Required ΔP	Remark
Indoor / Outdoor : RAV-RM561MUT-E/RAV-GP561ATP-E					
220V, 50Hz	3110	2085	-33.0%	+15%	Cooling mode
230V, 50Hz	3110	2177	-30.0%	+15%	Cooling mode
240V, 50Hz	3110	2263	-27.2%	+15%	Cooling mode
220V, 50Hz	3110	2226	-28.4%	+15%	Heating mode
230V, 50Hz	3110	2252	-27.6%	+15%	Heating mode
240V, 50Hz	3110	2209	-29.0%	+15%	Heating mode
Indoor / Outdoor : RAV-RM801BTP-E/RAV-GM801ATP-E					
220V, 50Hz	3610	1431	-60.4%	+15%	Cooling mode
230V, 50Hz	3610	1446	-59.9%	+15%	Cooling mode
240V, 50Hz	3610	1499	-58.5%	+15%	Cooling mode
220V, 60Hz	3610	1446	-59.9%	+15%	Cooling mode
220V, 50Hz	3610	1642	-54.5%	+15%	Heating mode
230V, 50Hz	3610	1639	-54.6%	+15%	Heating mode
240V, 50Hz	3610	1617	-55.2%	+15%	Heating mode
220V, 60Hz	3610	1661	-54.0%	+15%	Heating mode
Indoor / Outdoor : RAV-RM801KRTP-E/RAV-GP801AT-E					
220V, 50Hz	4690	2654	-43.4%	+15%	Cooling mode
230V, 50Hz	4690	2775	-40.8%	+15%	Cooling mode
240V, 50Hz	4690	2883	-38.5%	+15%	Cooling mode
220V, 50Hz	4690	3194	-31.9%	+15%	Heating mode
230V, 50Hz	4690	3315	-29.3%	+15%	Heating mode
240V, 50Hz	4690	3451	-26.4%	+15%	Heating mode
Indoor / Outdoor : RAV-RM1101BTP-E/RAV-GM1101ATP-E					
220V, 50Hz	5140	3482	-32.3%	+15%	Cooling mode
230V, 50Hz	5140	3645	-29.1%	+15%	Cooling mode
240V, 50Hz	5140	3787	-26.3%	+15%	Cooling mode
220V, 60Hz	5140	3510	-31.7%	+15%	Cooling mode
220V, 50Hz	5140	3863	-24.8%	+15%	Heating mode
230V, 50Hz	5140	3863	-24.8%	+15%	Heating mode
240V, 50Hz	5140	3877	-24.6%	+15%	Heating mode
220V, 60Hz	5140	3874	-24.6%	+15%	Heating mode

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Clause	Requirement + Test	Result - Remark	Verdict

Input deviation of/at:	P rated (W)	P measured (W)	ΔP	Required ΔP	Remark
Indoor / Outdoor : RAV-RM1401BTP-E/RAV-GM1401ATP-E					
220V, 50Hz	5140	3504	-31.8%	+15%	Cooling mode
230V, 50Hz	5140	3659	-28.8%	+15%	Cooling mode
240V, 50Hz	5140	3807	-25.9%	+15%	Cooling mode
220V, 60Hz	5140	3525	-31.4%	+15%	Cooling mode
220V, 50Hz	5140	3872	-24.7%	+15%	Heating mode
230V, 50Hz	5140	3884	-24.4%	+15%	Heating mode
240V, 50Hz	5140	3905	-24.0%	+15%	Heating mode
220V, 60Hz	5140	3896	-24.2%	+15%	Heating mode
Indoor / Outdoor : RAV-RM1101BTP-E/RAV-GM1101AT8P-E					
380V, 50Hz	6200	2877	-53.6%	+15%	Cooling mode
397.5V, 50Hz	6200	2960	-52.3%	+15%	Cooling mode
415V, 50Hz	6200	3009	-51.5%	+15%	Cooling mode
380V, 60Hz	6200	2930	-52.7%	+15%	Cooling mode
380V, 50Hz	6200	4018	-35.2%	+15%	Heating mode
397.5V, 50Hz	6200	3973	-35.9%	+15%	Heating mode
415V, 50Hz	6200	4011	-35.3%	+15%	Heating mode
380V, 60Hz	6200	4005	-35.4%	+15%	Heating mode
Indoor / Outdoor : RAV-RM1401BTP-E/RAV-GM1401AT8P-E					
380V, 50Hz	6200	2877	-53.6%	+15%	Cooling mode
397.5V, 50Hz	6200	2962	-52.2%	+15%	Cooling mode
415V, 50Hz	6200	3005	-51.5%	+15%	Cooling mode
380V, 60Hz	6200	2943	-52.5%	+15%	Cooling mode
380V, 50Hz	6200	4037	-34.9%	+15%	Heating mode
397.5V, 50Hz	6200	3982	-35.8%	+15%	Heating mode
415V, 50Hz	6200	3997	-35.5%	+15%	Heating mode
380V, 60Hz	6200	4024	-35.1%	+15%	Heating mode

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Supplementary information:

-The highest value from testing with all models and alternative components is put in this table.

-The highest value of measurement from all measurements is reported in this table.

-Ambient temperature test condition:

	<u>Maximum Cooling</u>	<u>Minimum Cooling</u>
	D.B./W.B.	D.B./W.B.
Outdoor unit	46°C/-	-10°C/-
Indoor unit	32°C/-	21°C/-
	<u>Maximum Heating</u>	<u>Minimum heating</u>
	D.B./W.B.	D.B./W.B.
Outdoor unit	24°C/-	-15°C /-
Indoor unit	28°C/-	0°C /-

10.2	TABLE: Current deviation					P
Current deviation of/at:	I rated (A)	I measured (A)	ΔI	Required ΔI	Remark	
Indoor / Outdoor : RAV-RM301SDT-E/RAV-GM301ATP-E						
220V, 50Hz	--	6.3	--	--	Cooling mode	
230V, 50Hz	--	6.1	--	--	Cooling mode	
240V, 50Hz	--	5.9	--	--	Cooling mode	
220V, 60Hz	--	6.1	--	--	Cooling mode	
220V, 50Hz	--	3.5	--	--	Heating mode	
230V, 50Hz	--	3.4	--	--	Heating mode	
240V, 50Hz	--	3.3	--	--	Heating mode	
220V, 60Hz	--	3.5	--	--	Heating mode	
Indoor / Outdoor : RAV-RM401MUT-E/RAV-GM401ATP-E						
220V, 50Hz	--	6.3	--	--	Cooling mode	
230V, 50Hz	--	6.1	--	--	Cooling mode	
240V, 50Hz	--	6.2	--	--	Cooling mode	
220V, 60Hz	--	6.2	--	--	Cooling mode	
220V, 50Hz	--	8.2	--	--	Heating mode	
230V, 50Hz	--	8.2	--	--	Heating mode	
240V, 50Hz	--	7.8	--	--	Heating mode	
220V, 60Hz	--	8.1	--	--	Heating mode	
Indoor / Outdoor : RAV-RM561MUT-E/RAV-GM561ATP-E						
220V, 50Hz	--	9.8	--	--	Cooling mode	

IEC 60335-2-40					
Clause	Requirement + Test		Result - Remark		Verdict
Current deviation of/at:	I rated (A)	I measured (A)	ΔI	Required ΔI	Remark
230V, 50Hz	--	9.8	--	--	Cooling mode
240V, 50Hz	--	9.8	--	--	Cooling mode
240V, 50Hz	--	9.8	--	--	Cooling mode
220V, 60Hz	--	10.4	--	--	Heating mode
230V, 50Hz	--	10.1	--	--	Heating mode
240V, 50Hz	--	9.5	--	--	Heating mode
240V, 60Hz	--	9.5	--	--	Heating mode
Indoor / Outdoor : RAV-RM561MUT-E/RAV-GP561ATP-E					
220V, 50Hz	13.1	9.8	-25.2%	+15%	Cooling mode
230V, 50Hz	13.1	9.8	-25.2%	+15%	Cooling mode
240V, 50Hz	13.1	9.8	-25.2%	+15%	Cooling mode
220V, 50Hz	13.1	10.4	-20.62%	+15%	Heating mode
230V, 50Hz	13.1	10.1	-22.92%	+15%	Heating mode
240V, 50Hz	13.1	9.5	-27.5%	+15%	Heating mode
Indoor / Outdoor : RAV-RM801BTP-E/RAV-GM801ATP-E					
220V, 50Hz	--	7.1	--	--	Cooling mode
230V, 50Hz	--	6.9	--	--	Cooling mode
240V, 50Hz	--	6.9	--	--	Cooling mode
220V, 60Hz	--	7.0	--	--	Cooling mode
220V, 50Hz	--	7.9	--	--	Heating mode
230V, 50Hz	--	7.6	--	--	Heating mode
240V, 50Hz	--	7.2	--	--	Heating mode
220V, 60Hz	--	7.8	--	--	Heating mode
Indoor / Outdoor : RAV-RM801KRTP-E/RAV-GP801AT-E					
220V, 50Hz	20.8	12.4	-40.4%	+15%	Cooling mode
230V, 50Hz	20.8	12.4	-40.4%	+15%	Cooling mode
240V, 50Hz	20.8	12.3	-40.9%	+15%	Cooling mode
220V, 50Hz	20.8	14.8	-28.8%	+15%	Heating mode
230V, 50Hz	20.8	14.6	-29.8%	+15%	Heating mode
240V, 50Hz	20.8	14.6	-29.8%	+15%	Heating mode
Indoor / Outdoor : RAV-RM1101BTP-E/RAV-GM1101ATP-E					
220V, 50Hz	22.8	16.5	-27.6%	+15%	Cooling mode

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Clause	Requirement + Test	Result - Remark	Verdict

Current deviation of/at:	I rated (A)	I measured (A)	ΔI	Required ΔI	Remark
230V, 50Hz	22.8	16.5	-27.6%	+15%	Cooling mode
240V, 50Hz	22.8	16.4	-28.1%	+15%	Cooling mode
220V, 60Hz	22.8	16.5	-27.6%	+15%	Cooling mode
220V, 50Hz	22.8	18.3	-19.7%	+15%	Heating mode
230V, 50Hz	22.8	17.6	-22.8%	+15%	Heating mode
240V, 50Hz	22.8	17.0	-25.4%	+15%	Heating mode
220V, 60Hz	22.8	18.1	-20.6%	+15%	Heating mode
Indoor / Outdoor : RAV-RM1401BTP-E/RAV-GM1401ATP-E					
220V, 50Hz	22.8	16.6	-27.2%	+15%	Cooling mode
230V, 50Hz	22.8	16.5	-27.6%	+15%	Cooling mode
240V, 50Hz	22.8	16.5	-27.6%	+15%	Cooling mode
220V, 60Hz	22.8	16.5	-27.6%	+15%	Cooling mode
220V, 50Hz	22.8	18.3	-19.7%	+15%	Heating mode
230V, 50Hz	22.8	17.6	-22.8%	+15%	Heating mode
240V, 50Hz	22.8	16.9	-25.9%	+15%	Heating mode
220V, 60Hz	22.8	18.2	-20.2%	+15%	Heating mode
Indoor / Outdoor : RAV-RM1101BTP-E/RAV-GM1101AT8P-E					
380V, 50Hz	14.1	5.1	-63.8%	+15%	Cooling mode
397.5V, 50Hz	14.1	5.0	-64.5%	+15%	Cooling mode
415V, 50Hz	14.1	4.8	-66.0%	+15%	Cooling mode
380V, 60Hz	14.1	5.0	-64.5%	+15%	Cooling mode
380V, 50Hz,	14.1	7.0	-50.4%	+15%	Heating mode
397.5V, 50Hz	14.1	6.6	-53.2%	+15%	Heating mode
415V, 50Hz	14.1	6.4	-54.6%	+15%	Heating mode
380V, 60Hz	14.1	6.9	-51.1%	+15%	Heating mode
Indoor / Outdoor : RAV-RM1401BTP-E/RAV-GM1401AT8P-E					
380V, 50Hz	14.1	5.1	-63.8%	+15%	Cooling mode
397.5V, 50Hz	14.1	5.0	-64.5%	+15%	Cooling mode
415V, 50Hz	14.1	4.8	-66.0%	+15%	Cooling mode
380V, 60Hz	14.1	5.1	-63.8%	+15%	Cooling mode
380V, 50Hz	14.1	7.0	-50.4%	+15%	Heating mode
397.5V, 50Hz	14.1	6.6	-53.2%	+15%	Heating mode

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Clause	Requirement + Test	Result - Remark	Verdict

Current deviation of/at:	I rated (A)	I measured (A)	ΔI	Required ΔI	Remark
415V, 50Hz	14.1	6.4	-54.6%	+15%	Heating mode
380V, 60Hz	14.1	7.0	-50.4%	+15%	Heating mode

Supplementary information:

- The highest value from testing with all models and alternative components is put in this table.
- The highest value of measurement from all measurements is reported in this table.
- Ambient temperature test condition: see table 10.1.

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Clause	Requirement + Test	Result - Remark	Verdict

11.8	TABLE: Heating test		P
	Test voltage (V)	1) 206.8V, 254.4V,50Hz; 206.8V, 233.2V,60Hz; 2) 357.2V,439.9V, 50Hz; 357.2V,402.8V, 60Hz;	—
	Ambient (°C).....:	See information below table	—
Thermocouple locations		Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
Outdoor unit : RAV-GM301ATP-E			
Upper shell compressor		75.6	140
Wire to compressor		70.5	T105
Cover terminal of compressor		66.1	For clause 30
Fan motor case		56.2	105(E)
4 Way valve		52.4	105(E)
PMV Coil		38.9	105(E)
Reactor		79.5	165(H)
T 02		58.9	105(E)
T 101		59.4	105(E)
RY 01		59.5	For clause 30
RY 72		54.4	For clause 30
L 01		57.8	105(E)
L 02		59.9	105(E)
C 01		51.3	75
C 06		57.4	75
C 07		57.6	T85
PCB		62.9	For clause 30
Plastic support PCB		53.7	For clause 30
Terminal input		46.2	85
Supply cord		47.2	75
Cord sheath		46.3	60
Enclosure Top		47.5	85
Enclosure Front near compressor		46.5	85
Fan guard		52.1	For clause 30
Wooden support		46.1	90

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Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
Indoor unit : RAV-RM301SDT-E		
Fan motor case	34.4	105(E)
Drain pump	30.7	105(E)
Water level sensor	30.6	For reference
T 01	44.5	105(E)
L 01	38.5	105(E)
L 401	34.7	105(E)
R04	41.9	For clause 30
C 01	39.2	75
C 08	42.8	105
PCB	52.2	For clause 30
Terminal input	33.1	85
Supply cord	32.7	75
Cord sheath	32.7	60
Wire remote control	33.2	For reference
Enclosure	35.9	85
Outdoor unit : RAV-GM401ATP-E		
Upper shell compressor	93.1	140
Wire to compressor	80.4	T105
Cover terminal of compressor	74.6	For clause 30
Fan motor case	58.8	105(E)
Discharge pipe	77.8	For reference
4 Way valve	80.3	105(E)
PMV Coil	41.2	105(E)
Reactor	80.4	165(H)
T 02 (CT)	60.6	105(E)
T 101	62.7	105(E)
RY 01	66.1	For clause 30
RY 72	70.9	For clause 30
L 01	65.5	105(E)
C 01	54.6	75
C 07	60.9	T85

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Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
PCB	64.0	For clause 30
Plastic support PCB	53.9	For clause 30
Terminal input	47.1	85
Supply cord	47.7	75
Cord sheath	47.1	60
Enclosure Top	49.3	85
Enclosure Front near compressor	46.3	85
Fan guard	54.2	For clause 30
Wooden support	47.8	90
Indoor unit : RAV-RM401MUT-E		
Fan motor case	39.2	105(E)
Drain pump	44.1	105(E)
Water level sensor	40.7	For reference
Stepping motor (Blade H)	47.6	105(E)
T 01	53.9	105(E)
L 01	41.9	105(E)
L 401	49.5	105(E)
C 01	40.3	75
C 08	50.2	T105
PCB	49.3	For clause 30
Terminal input	33.0	85
Supply cord	33.0	75
Cord sheath	32.5	60
Ceiling panel	31.0	For clause 30
Remote control	31.6	For reference
Enclosure	33.8	85
Outdoor unit : RAV-GP561ATP-E		
Upper shell compressor	78.5	140
Wire to compressor	72.1	T105
Bimetal Thermo	71.6	For clause 30
Cover terminal of compressor	55.1	For clause 30
Fan motor case	64.3	105(E)

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Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
Discharge pipe	89.8	For reference
4 Way valve	47.1	105(E)
PMV Coil	45.6	105(E)
Pressure switch	45.8	T85
Reactor	76.0	165(H)
T 01	49.3	105(E)
T 02	53.3	105(E)
RY 01	61.7	For clause 30
RY 701	54.2	For clause 30
RY 702	51.9	For clause 30
L 01	56.1	105(E)
C 02	50.9	75
C 09	54.9	T85
PCB	62.1	For clause 30
Terminal input	47.8	85
Supply cord	49.9	75
Cord sheath	46.1	60
Enclosure Top	48.3	85
Enclosure Fron near compressor	45.3	85
Fan guard	55.7	For clause 30
Wooden support	45.7	90
Indoor unit : RAV-RM561MUT-E		
Fan motor case	39.2	105(E)
Drain pump	44.1	105(E)
Water level sensor	40.7	For reference
Stepping motor (Blade H)	47.6	105(E)
T 01	53.9	105(E)
L 01	41.9	105(E)
L 401	49.5	105(E)
C 01	40.3	75
C 08	50.2	T105
PCB	49.3	For clause 30

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Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
Terminal input	33.0	85
Supply cord	33.0	75
Cord sheath	32.5	60
Ceiling panel	31.0	For clause 30
Remote control	31.6	For reference
Enclosure	33.8	85
Outdoor unit : RAV-GM801ATP-E		
Upper shell compressor	94.0	140
Wire to compressor	80.4	T105
Bimetal Thermo	83.0	For clause 30
Cover terminal of compressor	83.8	For clause 30
Fan motor case	63.6	105(E)
Discharge	83.8	For reference
4 Way valve	51.3	105(E)
PMV Coil	42.3	105(E)
Reactor	62.5	165(H)
T 01	56.9	105(E)
T 02	55.0	105(E)
RY 01	68.0	For clause 30
RY 701	55.9	For clause 30
RY 702	53.6	For clause 30
L 01	58.2	105(E)
Reactor	52.8	165(H)
C 02	54.5	75
C 09	57.5	T85
PCB	63.1	For clause 30
Terminal input	47.4	85
Supply cord	48.6	75
Cord sheath	48.1	60
Enclosure Top	48.2	85
Enclosure Front near compressor	48.8	85

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
Fan guard	57.9	For clause 30
Wooden support	46.6	90
Indoor unit : RAV-RM801BTP-E		
Fan motor case	40.4	105(E)
Drain pump	33.4	105(E)
Water level sensor	34.7	For reference
T 01	37.0	105(E)
L 01	35.3	105(E)
L 401	35.0	105(E)
RY 01	40.5	For clause 30
C 01	34.7	75
C 08	34.7	T105
PCB	40.5	For clause 30
Terminal input	32.5	85
Supply cord	32.7	75
Cord sheath	32.7	60
Remote control	33.2	For clause 30
Enclosure	32.6	For reference
Reactor	37.2	85
Outdoor unit : RAV-GP801AT-E		
Upper shell compressor	109.8	140
Wire to compressor	86.7	T105
Bimetal Thermo	95.1	For clause 30
Cover terminal of compressor	77.7	For clause 30
Fan motor case	64.3	105(E)
Discharge	87.2	For reference
4 Way valve	48.5	105(E)
PMV Coil	29.6	105(E)
Pressure switch	50.7	T85
Reactor	82.3	165(H)
T 10	45.2	105(E)

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Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
T 100	53.9	105(E)
RY 10	63.5	For clause 30
RY 700	48.5	For clause 30
RY 701	48.5	For clause 30
L 01	53.7	105(E)
C 01	44.2	75
C 07	45.8	75
C 20	51.7	T85
PCB	53.3	For clause 30
Terminal input	42.0	85
Supply cord	46.0	75
Cord sheath	41.1	60
Enclosure Top	49.2	85
Enclosure Front near compressor	45.3	85
Fan guard	55.9	For clause 30
Wooden support	45.5	90
Indoor unit : RAV-RM801KRTP-E		
Fan motor case	47.0	105(E)
Plastic support fan	34.2	For clause 30
Stepping motor (H)	36.8	105(E)
Stepping motor (V)	32.7	105(E)
T 01	44.9	T105
L 01	46.7	105(E)
RY 01	40.4	For clause 30
C 08	47.9	T85
PCB	41.1	For clause 30
Terminal input	31.7	85
Supply cord	31.5	75
Cord sheath	31.2	60
Display	30.9	85
Enclosure front	31.3	85

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Clause	Requirement + Test	Result - Remark	Verdict
Thermocouple locations		Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
Enclosure side near PCB		32.1	85
Wooden support		31.7	90
Outdoor unit : RAV-GM1401ATP-E			
Upper shell compressor		73.6	140
Wire to compressor		88.2	T105
Bimetal Thermo		77.8	For clause 30
Cover terminal of compressor		58.5	For clause 30
Fan motor case		64.4	105(E)
Discharge		75.1	For reference
4 Way valve		46.8	105(E)
PMV Coil		43	105(E)
Reactor		86.1	165(H)
T 20		57.7	105(E)
T 120		63.4	105(E)
RY 20		45.9	For clause 30
RY 700		62	For clause 30
RY 702		61.8	For clause 30
L 20		75.4	105(E)
C 21		67.1	75
C 30		58.5	T85
PCB		54.5	For clause 30
Terminal input		48.4	85
Supply cord		53.1	75
Cord sheath		49.2	60
Enclosure Top		47.2	85
Enclosure Fron near compressor		44.8	85
Fan guard		56.6	For clause 30
Wooden support		45.8	90
Indoor unit : RAV-RM1401BTP-E			
Fan motor case		45.1	105(E)
Drain pump		30.0	105(E)

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Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
Water level sensor	31.8	For reference
T 01	35.4	105(E)
L 01	36.0	105(E)
L 401	33.9	105(E)
Reactor	38.7	165(H)
RY 01	37.1	For clause 30
C 01	35.2	75
C 08	35.6	T105
PCB	37.3	For clause 30
Terminal input	32.5	85
Supply cord	32.8	75
Cord sheath	32.8	60
Remote control	32.6	For reference
Enclosure	33.1	For clause 30
Outdoor unit : RAV-GM1401AT8P-E		
Upper shell compressor	85.2	140
Wire to compressor	69.0	T105
Bimetal Thermo	76.4	For clause 30
Cover terminal of compressor	77.9	For clause 30
Fan motor case	59.2	105(E)
Discharge	86.5	For reference
4 Way valve	49.5	105(E)
PMV Coil	43.0	105(E)
Pressure switch	54.0	T85
Reactor	59.8	165(H)
T 620 (Driver PCB)	55.4	105(E)
T 621 (Driver PCB)	53.1	105(E)
L01 (Driver PCB)	57.0	105(E)
RY01 (Driver PCB)	59.6	For clause 30
C01 (Driver PCB)	49.5	75
C02 (Driver PCB)	49.1	75

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Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
C03 (Driver PCB)	48.0	75
C05 (Driver PCB)	52.4	75
C13 (Driver PCB)	53.9	T85
RB (Driver PCB)	54.4	For clause 30
PCB (Driver PCB)	62.8	For clause 30
T01 (Control PCB)	55.2	105(E)
L01 (Control PCB)	51.7	105(E)
RY01 (Control PCB)	62.3	For clause 30
RY03 (Control PCB)	56.7	For clause 30
RY500 (Control PCB)	60.6	For clause 30
RY700 (Control PCB)	53.9	For clause 30
C01 (Control PCB)	51.3	75
C10 (Control PCB)	53.0	T85
RB (Control PCB)	55.6	T85
PCB (Control PCB)	62.4	For clause 30
Terminal input	62.4	85
Supply cord	47.2	75
Cord sheath	45.3	60
Enclosure Top	49.0	85
Enclosure Fron near compressor	48.5	85
Fan guard	55.4	For clause 30
Wooden support	55.6	90
Indoor unit : RAV-RM1401BTP-E		
Fan motor case	44.8	105(E)
Drain pump	31.3	105(E)
Water level sensor	30.7	For reference
T 01	36.3	105(E)
L 01	37.5	105(E)
L 401	35.2	105(E)
Reactor	40.1	165(H)
RY 01	37.8	For clause 30

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Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
C 01	36.5	75
C 08	36.9	T105
PCB	38.1	For clause 30
Terminal input	33.6	85
Supply cord	33.7	75
Cord sheath	33.7	60
Remote control	33.1	For reference
Enclosure	33.4	For clause 30

Supplementary information:

-The highest value from testing with all models and alternative components is put in this table.

-The highest value of measurement from all measurements is reported in this table.

-Ambient temperature test condition:

	<u>Maximum Cooling</u>	<u>Minimum Cooling</u>
	D.B./W.B.	D.B./W.B.
Outdoor unit	46°C/-	-10°C/-
Indoor unit	32°C/-	21°C/-
	<u>Maximum Heating</u>	<u>Minimum heating</u>
	D.B./W.B.	D.B./W.B.
Outdoor unit	24°C/-	-15°C /-
Indoor unit	28°C/-	0°C /-

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Clause	Requirement + Test	Result - Remark	Verdict

11.8	TABLE: Heating test, resistance method					P
	Test voltage (V)	1) 206.8V, 254.4V,50Hz; 206.8V, 233.2V,60Hz; 2) 357.2V,439.9V, 50Hz; 357.2V,402.8V, 60Hz;				—
	Ambient, t1 (°C).....	See supplementary information				—
	Ambient, t2 (°C).....	See supplementary information				—
Temperature rise of winding	R1 (Ω)	R2 (Ω)	T (°C)	Max. T (°C)	Insulation class	
Indoor / Outdoor : RAV-RM301SDT-E/RAV-GM301ATP-E						
a) Compressor (Red-white)	2.63	3.21	107.8	140	Synthetic	
b) OD Fan motor	--	--	56.2*	115	E	
c) ID Fan motor	--	--	34.4*	115	E	
d) Louver motor	--	--	46.5*	115	E	
e) Drain pump	1745	1831	45.1	115	E	
Indoor / Outdoor : RAV-RM401MUT-E/RAV-GM401ATP-E						
a) Compressor (Red-white)	2.63	3.21	107.8	140	Synthetic	
b) OD Fan motor	--	--	58.8*	115	E	
c) ID Fan motor	--	--	39.2*	115	E	
d) Louver motor	--	--	46.5*	115	E	
e) Drain pump	1745	1831	45.1	115	E	
Indoor / Outdoor : RAV-RM561MUT-E/RAV-GP561ATP-E						
a) Compressor (Red-white)	2.63	3.21	107.8	140	Synthetic	
b) OD Fan motor	--	--	64.3*	115	E	
c) ID Fan motor	--	--	39.2*	115	E	
d) Louver motor	--	--	46.5*	115	E	
e) Drain pump	1745	1831	45.1	115	E	
Indoor / Outdoor : RAV-RM801BTP-E/RAV-GM801ATP-E						
a) Compressor (Red-white)	1.15	1.47	124.5	140	Synthetic	
b) OD Fan motor	--	--	63.6*	115	E	
c) ID Fan motor	--	--	40.4*	115	E	
d) Louver motor	--	--	46.5*	115	E	
e) Drain pump	1745	1831	45.1	115	E	

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Clause	Requirement + Test	Result - Remark	Verdict

Temperature rise of winding	R1 (Ω)	R2 (Ω)	T ($^{\circ}\text{C}$)	Max. T ($^{\circ}\text{C}$)	Insulation class
Indoor / Outdoor : RAV-RM801KRTP-E/RAV-GP801AT-E					
a) Compressor (Red-white)	1.55	1.97	122.7	140	Synthetic
b) OD Fan motor	--	--	64.3*	115	E
c) ID Fan motor	--	--	47.0*	115	E
d) Louver motor	--	--	46.5*	115	E
e) Drain pump	1745	1831	45.1	115	E
Indoor / Outdoor : RAV-RM1401BTP-E/RAV-GM1401ATP-E					
a) Compressor (Red-white)	1.15	1.47	124.5	140	Synthetic
b) OD Fan motor	--	--	64.4*	115	E
c) ID Fan motor	--	--	45.1*	115	E
d) Louver motor	--	--	46.5*	115	E
e) Drain pump	1745	1831	45.1	115	E
Indoor / Outdoor : RAV-RM1401BTP-E/RAV-GM1401AT8P-E					
a) Compressor (Red-white)	1.53	1.96	125.5	140	Synthetic
b) OD Fan motor	--	--	64.4*	115	E
c) ID Fan motor	--	--	45.1*	115	E
d) Louver motor	--	--	46.5*	115	E
e) Drain pump	1593	1780	63.2	115	E
Supplementary information :					
- The highest measurement from all test voltages, all alternative components and test conditions are put in this table.					
-*The motor is DC type motor which is difficult to conduct resistance method.					
-Ambient temperature test condition:					
	Maximum Cooling		Minimum Cooling		
	D.B./W.B.		D.B./W.B.		
Outdoor unit	46 $^{\circ}\text{C}/-$		-10 $^{\circ}\text{C}/-$		
Indoor unit	32 $^{\circ}\text{C}/-$		21 $^{\circ}\text{C}/-$		
	Maximum Heating		Minimum heating		
	D.B./W.B.		D.B./W.B.		
Outdoor unit	24 $^{\circ}\text{C}/-$		-15 $^{\circ}\text{C}/-$		
Indoor unit	28 $^{\circ}\text{C}/-$		0 $^{\circ}\text{C}/-$		

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

13.2	TABLE: Leakage current		P
	Heating appliances: 1,15 x rated input (W) :	--	—
	Motor-operated and combined appliances: 1,06 x rated voltage (V) :	1) 254.4V, 50Hz; 233.2V, 60Hz; 2) 439.9V, 50Hz; 402.8V, 60Hz;	—
Leakage current between		I (mA)	Max. allowed I (mA)
Indoor / Outdoor : RAV-RM301SDT-E/RAV-GM301ATP-E			
Live parts and earthed metal parts		1.2	3.5
Live parts and accessible non-metallic material parts		0.24	0.35 mA peak
Indoor / Outdoor : RAV-RM401MUT-E/RAV-GM401ATP-E			
Live parts and earthed metal parts		1.1	4.14
Live parts and accessible non-metallic material parts		0.24	0.35 mA peak
Indoor / Outdoor : RAV-RM561MUT-E/RAV-GP561ATP-E			
Live parts and earthed metal parts		1.2	6.0
Live parts and accessible non-metallic material parts		0.24	0.35 mA peak
Indoor / Outdoor : RAV-RM801BTP-E/RAV-GM801ATP-E			
Live parts and earthed metal parts		1.2	7.22
Live parts and accessible non-metallic material parts		0.24	0.35 mA peak
Indoor / Outdoor : RAV-RM801KRTP-E/RAV-GP801AT-E			
Live parts and earthed metal parts		1.32	9.38
Live parts and accessible non-metallic material parts		0.25	0.35 mA peak
Indoor / Outdoor : RAV-RM1401BTP-E/RAV-GM1401ATP-E			
Live parts and earthed metal parts		1.2	10.0
Live parts and accessible non-metallic material parts		0.24	0.35 mA peak
Indoor / Outdoor : RAV-RM1401BTP-E/RAV-GM1401AT8P-E			
Live parts and earthed metal parts		2.2	10.0
Live parts and accessible non-metallic material parts		0.25	0.35 mA peak

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Clause	Requirement + Test	Result - Remark	Verdict

Supplementary information:

The highest measurement from all alternative components and test conditions are put in this table.

- For class I appliance, limit = 2mA per kilowatt of rated power input with a maximum of 10mA.

Model : RAV-RM301SDT-E/RAV-GM301ATP-E, 1.55kW x 2mA = 3.1 mA

Model : RAV-RM401MUT-E/RAV-GM401ATP-E, 2.07kW x 2mA = 4.14 mA

Model : RAV-RM561MUT-E/RAV-GP561ATP-E, 3.00kW x 2mA = 6.0 mA

Model : RAV-RM801BTP-E/RAV-GM801ATP-E, 3.61kW x 2mA = 7.22 mA

Model : RAV-RM801KRTP-E/RAV-GP801AT-E, 4.69kW x 2mA = 9.38 mA

Model : RAV-RM1401BTP-E/RAV-GM1401ATP-E, 5.14kW x 2mA = 10.28 mA (Maximum limit = 10 mA)

Model : RAV-RM1401BTP-E/RAV-GM1401AT8P-E, 6.20kW x 2mA = 12.4 mA (Maximum limit = 10 mA)

13.3	TABLE: Dielectric strength			P
Test voltage applied between:	Test potential applied (V)		Breakdown / flashover (Yes/No)	
L,N— Earthed metal parts	1000		No	
Parts separated by supplementary insulation	1750		No	
L,N— Fan guard of outdoor unit	3000		No	
L,N— Plastic panel of indoor unit	3000		No	
Supplementary information: N/A				

14	TABLE: Transient overvoltages					N/A
Clearance between:	Cl (mm)	Required Cl (mm)	Rated impulse voltage (V)	Impulse test voltage (V)	Flashover (Yes/No)	
Supplementary information:						

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Clause	Requirement + Test	Result - Remark	Verdict

16.2	TABLE: Leakage current		P
	Single phase appliances: 1,06 x rated voltage (V):	1) 254.4V, 50Hz; 233.2V, 60Hz;	—
	Three phase appliances 1,06 x rated voltage divided by $\sqrt{3}$ (V)	2) 439.9V, 50Hz; 402.8V, 60Hz;	—
	Leakage current between	I (mA)	Max. allowed I (mA)
Outdoor : RAV-GM301ATP-E			
	Live parts and earthed metal parts	0.81	3.5
	Live parts and accessible non-metallic material parts	0.1	0.25
Indoor : RAV-RM301SDT-E			
	Live parts and earthed metal parts	0.81	3.5
Outdoor : RAV-GM401ATP-E			
	Live parts and earthed metal parts	0.81	4.14
	Live parts and accessible non-metallic material parts	0.1	0.25
Indoor : RAV-RM401MUT-E			
	Live parts and accessible non-metallic material parts	0.1	0.25
Outdoor : RAV-GP561ATP-E			
	Live parts and earthed metal parts	0.85	6.0
	Live parts and accessible non-metallic material parts	0.1	0.25
Indoor : RAV-RM561MUT-E			
	Live parts and accessible non-metallic material parts	0.1	0.25
Outdoor : RAV-GM801ATP-E			
	Live parts and earthed metal parts	0.85	7.22
	Live parts and accessible non-metallic material parts	0.1	0.25
Indoor : RAV-RM801BTP-E			
	Live parts and accessible non-metallic material parts	0.1	0.25
Outdoor : RAV-GP801AT-E			
	Live parts and earthed metal parts	0.86	9.38
	Live parts and accessible non-metallic material parts	0.1	0.25
Indoor : RAV-RM801KRTP-E			
	Live parts and accessible non-metallic material parts	0.1	0.25

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Clause	Requirement + Test	Result - Remark	Verdict
Leakage current between		I (mA)	Max. allowed I (mA)
Outdoor : RAV-GM1401ATP-E			
Live parts and earthed metal parts		0.86	10.0
Live parts and accessible non-metallic material parts		0.1	0.25
Outdoor : RAV-GM1401AT8P-E			
Live parts and earthed metal parts		0.86	10.0
Live parts and accessible non-metallic material parts		0.1	0.25
Supplementary information: The highest measurement from all alternative components and test conditions are put in this table. - For class I appliance, limit = 2mA per kilowatt of rated power input with a maximum of 10mA. Model : RAV-RM301SDT-E/RAV-GM301ATP-E, 1.55kW x 2mA = 3.1 mA Model : RAV-RM401MUT-E/RAV-GM401ATP-E, 2.07kW x 2mA = 4.14 mA Model : RAV-RM561MUT-E/RAV-GP561ATP-E, 3.00kW x 2mA = 6.0 mA Model : RAV-RM801BTP-E/RAV-GM801ATP-E, 3.61kW x 2mA = 7.22 mA Model : RAV-RM801KRTP-E/RAV-GP801AT-E, 4.69kW x 2mA = 9.38 mA Model : RAV-RM1401BTP-E/RAV-GM1401ATP-E, 5.14kW x 2mA = 10.28 mA (Maximum limit = 10 mA) Model : RAV-RM1401BTP-E/RAV-GM1401AT8P-E, 6.20kW x 2mA = 12.4 mA (Maximum limit = 10 mA)			

16.3	TABLE: Dielectric strength		P
Test voltage applied between:	Test potential applied (V)	Breakdown / flashover (Yes/No)	
L,N— Earthed metal parts	1250	No	
Parts separated by supplementary insulation	1750	No	
L,N— Fan guard of outdoor unit	3000	No	
L,N— Plastic panel of indoor unit	3000	No	
Supplementary information: N/A			

17	TABLE: Overload protection		P
Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)	
RAV-RM301SDT-E/RAV-GM301ATP-E			
Transformer, T01, Indoor unit	26.3	165	
Transformer, T101, Outdoor unit	40.0	165	

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Clause	Requirement + Test	Result - Remark	Verdict
Thermocouple locations		Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
RAV-RM401MUT-E/RAV-GM401ATP-E			
Transformer, T01, Indoor unit		32.9	165
Transformer, T101, Outdoor unit		49.5	165
RAV-RM561MUT-E/RAV-GP561ATP-E			
Transformer, T01, Indoor unit		26.3	165
Transformer, T01, Outdoor unit		22.7	165
RAV-RM801BTP-E/RAV-GM801ATP-E			
Transformer, T01, Indoor unit		23.7	165
Transformer, T01, Outdoor unit		31.4	165
RAV-RM801KRTP-E/RAV-GP801AT-E			
Transformer, T01, Indoor unit		23.7	165
Transformer, T101, Outdoor unit		31.4	165
RAV-RM1401BTP-E/RAV-GM1401ATP-E			
Transformer, T120, Outdoor unit		46.0	165
RAV-RM1401BTP-E/RAV-GM1401AT8P-E			
Transformer, T01, Indoor unit		24.5	165
Transformer, T101, Outdoor unit		37.9	165
Supplementary information: N/A			

17	TABLE: Overload protection, resistance method					N/A
	Test voltage (V)					—
	Ambient, t1 (°C)					—
	Ambient, t2 (°C)					—
Temperature of winding	R1 (Ω)	R2 (Ω)	Δ T (K)	T (°C)	Max. T (°C)	
Supplementary information:						

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Clause	Requirement + Test	Result - Remark	Verdict

19	Abnormal operation conditions						P
Operational characteristics		YES/NO	Operational conditions				
Are there electronic circuits to control the appliance operation?		Yes	Normal operation with electronic circuit control operation of component.				
Are there "off" or "stand-by" position?		Yes	Appliance can be in "off" position by remote control				
The unintended operation of the appliance results in dangerous malfunction?		No					
Sub-clause	Operating conditions description	Test results description	PEC description	EMP 19.11.4	Software type required	19.11.3 PEC	Final result
19.2	--	--	--	N.A	--	--	N/A
19.3	--	--	--	--	--	--	N/A
19.4	As specified	No hazard	Protect by thermal cut-out	Yes	--	Short-circuit	P
19.5	--	--	--	--	--	--	N/A
19.6	--	--	--	N.A	--	--	N/A
19.7	As specified	No hazard	Protect by thermal cut-out	Yes	--	Short-circuit	P
19.8	As specified	No hazard	Protect by thermal cut-out	Yes	--	Short-circuit	P
19.9	--	--	--	--	--	--	N/A
19.10	--	--	--	--	--	--	N/A
19.11.2	As specified	No hazard	Protect by thermal cut-out	Yes	--	Short-circuit	P
19.11.4.8	As specified	No hazard	Protect by thermal cut-out	Yes	--	Short-circuit	P
19.101	As specified	No hazard	Protect by thermal cut-out	Yes	--	Short-circuit	P
19.102	--	--	--	--	--	--	N/A
19.103	As specified	No hazard	Protect by thermal cut-out	Yes	--	Short-circuit	P
19.104	--	--	--	--	--	--	N/A

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Clause	Requirement + Test	Result - Remark	Verdict

Supplementary information: N/A

19.4	Abnormal operation conditions	P
Failure description	Effect	Verdict
Stopping in any position	Not emit flames and enclosures not deform	P
Disconnect and reconnection of supply	Not emit flames and enclosures not deform	P
Open/short circuit of component	Not emit flames and enclosures not deform	P
Supplementary information: N/A		

19.7	Abnormal operation conditions – locked rotor test other than motor-compressors and stationary circulation pumps in compliance with IEC 60335-2-51				P
	Ambient, t1 (°C):	22.5°C			—
	Ambient, t2 (°C):	22.5°C			—
	Test voltage (V) :	240V			—
Temperature limit T of winding:	R ₁ (Ω)	R ₂ (Ω)	Measured T (°C)	Limit T (°C)	Insulation class
Fan motor (outdoor unit), WDF-340-A43-1	--	--	40.4	165	E
Drain pump, MDP-1401	1745	1948	53.0	165	E
Drain pump, MDP-1201	1745	1948	53.0	165	E
Drain pump, PMD-08D12TF-2	1745	1948	53.0	165	E
Fan motor (outdoor unit), ICF-140-43-4R	--	--	37.0	165	E
Fan motor (outdoor unit), ICF-280-A60-1	--	--	35.2	165	E
Fan motor (outdoor unit), WDF-340-A100-1	--	--	32.1	165	E
Fan motor (outdoor unit), ICF-280-A100-1	--	--	51.3	165	E
Fan motor (Indoor unit), ICF-340-30-6	--	--	44.0	165	E
Fan motor (Indoor unit), ICF-340D60-1	--	--	44.0	165	E
Fan motor (Indoor unit), ICF-340D130-2	--	--	35.1	165	E
Fan motor (Indoor unit), SWF-280-60-3	--	--	44.0	165	E

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Clause	Requirement + Test	Result - Remark	Verdict

19.7	TABLE: electric strength measurements after 72 hours		P
Test voltage applied between:		Test voltage (V)	Breakdown Yes / No
Live part and earthed metal parts		1250	No
Parts separate by supplementary insulation		1750	No
Live part and plastic at enclosure		3000	No

19.7	TABLE: leakage current measurements after 72 hours		P
	A voltage equal to twice the rated voltage (V) :	480	—
Leakage current I between :		I (mA)	Required I (mA)
All winding and enclosure		0.57	2

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Clause	Requirement + Test	Result - Remark			Verdict	
19.7	Abnormal operation conditions – Locked rotor test motor-compressor				P	
	Motor-compressor	KSK89D53UFZ				
	Start device	Circuit drive by PCB				
	Protector	--				
	Start capacitor	--				
	Run capacitor	--				
	Cooling; (static); (fan-m ³ /h); (oil);	Oil				
	Thermal motor-protection system	--				
		Self-resetting			Manually reset	
Rated voltage		Vn max (V)			Vn min (V)	
		After 72 h	After 288 h	After 360 h	After 363 h	
		After 50 cycles				
High-voltage test (see 16.3)		--	--	--	--	P
Leakage current (mA) (see 16.2)		--	--	--	--	0.3
Electric strength (see 13.3)		--	--	--	--	P
Room temperature (°C) (20 ± 5°C)		--	--	--	--	25.0
Number of cycles (≥ 2000 or 50)		--	--	--	--	55
Housing temperature (°C) (≤ 150°C)		--	--	--	--	28.2
supplementary information: N/A						

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Clause	Requirement + Test	Result - Remark	Verdict

19.7	Abnormal operation conditions – Locked rotor test motor-compressor			P		
	Motor-compressor	KTN130D30UFZ				
	Start device	Circuit drive by PCB				
	Protector	--				
	Start capacitor	--				
	Run capacitor	--				
	Cooling; (static); (fan-m ³ /h); (oil);	Oil				
	Thermal motor-protection system	--				
		Self-resetting			Manually reset	
Rated voltage		Vn max (V)			Vn max (V)	Vn min (V)
		After 72 h	After 288 h	After 360 h	After 363 h	After 50 cycles
High-voltage test (see 16.3)		--	--	--	--	P
Leakage current (mA) (see 16.2)		--	--	--	--	0.3
Electric strength (see 13.3)		--	--	--	--	P
Room temperature (°C) (20 ± 5°C)		--	--	--	--	25.0
Number of cycles (≥ 2000 or 50)		--	--	--	--	55
Housing temperature (°C) (≤ 150°C)		--	--	--	--	28.2
supplementary information: N/A						

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Clause	Requirement + Test	Result - Remark	Verdict

19.7	Abnormal operation conditions – Locked rotor test motor-compressor			P		
	Motor-compressor	DX150A1T-20F, DX150A1T-21F				
	Start device	Circuit drive by PCB				
	Protector	--				
	Start capacitor	--				
	Run capacitor	--				
	Cooling; (static); (fan-m ³ /h); (oil);	Oil				
	Thermal motor-protection system	--				
		Self-resetting		Manually reset		
Rated voltage		Vn max (V)		Vn max (V)	Vn min (V)	
		After 72 h	After 288 h	After 360 h	After 363 h	After 50 cycles
High-voltage test (see 16.3)		--	--	--	--	P
Leakage current (mA) (see 16.2)		--	--	--	--	0.3
Electric strength (see 13.3)		--	--	--	--	P
Room temperature (°C) (20 ± 5°C)		--	--	--	--	25
Number of cycles (≥ 2000 or 50)		--	--	--	--	55
Housing temperature (°C) (≤ 150°C)		--	--	--	--	27.9
supplementary information: N/A						

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Clause	Requirement + Test	Result - Remark	Verdict

19.7	Abnormal operation conditions – Locked rotor test motor-compressor			P		
	Motor-compressor	NX220A1F-20N				
	Start device	Circuit drive by PCB				
	Protector	--				
	Start capacitor	--				
	Run capacitor	--				
	Cooling; (static); (fan-m ³ /h); (oil);	Oil				
	Thermal motor-protection system	--				
		Self-resetting		Manually reset		
Rated voltage		Vn max (V)		Vn max (V)	Vn min (V)	
		After 72 h	After 288 h	After 360 h	After 363 h	After 50 cycles
High-voltage test (see 16.3)		--	--	--	--	P
Leakage current (mA) (see 16.2)		--	--	--	--	0.3
Electric strength (see 13.3)		--	--	--	--	P
Room temperature (°C) (20 ± 5°C)		--	--	--	--	24.1
Number of cycles (≥ 2000 or 50)		--	--	--	--	55
Housing temperature (°C) (≤ 150°C)		--	--	--	--	26.4
supplementary information: N/A						

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Clause	Requirement + Test	Result - Remark	Verdict

19.7	Abnormal operation conditions – Locked rotor test motor-compressor			P		
	Motor-compressor	DX330A2T-20M				
	Start device	Circuit drive by PCB				
	Protector	--				
	Start capacitor	--				
	Run capacitor	--				
	Cooling; (static); (fan-m ³ /h); (oil);	Oil				
	Thermal motor-protection system	US-622KXTMQO-SS				
		Self-resetting			Manually reset	
Rated voltage		Vn max (V)			Vn min (V)	
		After 72 h	After 288 h	After 360 h	After 363 h	After 50 cycles
High-voltage test (see 16.3)		1250	--	--	--	--
Leakage current (mA) (see 16.2)		0.24	--	--	0.42	--
Electric strength (see 13.3)		--	--	--	1000	--
Room temperature (°C) (20 ± 5°C)		23.9	--	--	20.5	--
Number of cycles (≥ 2000 or 50)		>2000	--	--	>2000	--
Housing temperature (°C) (≤ 150°C)		27.3	--	--	46.2	--
supplementary information: N/A						

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Clause	Requirement + Test	Result - Remark	Verdict

19.7	Abnormal operation conditions – Locked rotor test motor-compressor			P		
	Motor-compressor	RX330A2T-20M				
	Start device	Circuit drive by PCB				
	Protector	--				
	Start capacitor	--				
	Run capacitor	--				
	Cooling; (static); (fan-m ³ /h); (oil);	Oil				
	Thermal motor-protection system	--				
		Self-resetting		Manually reset		
Rated voltage		Vn max (V)		Vn max (V)	Vn min (V)	
		After 72 h	After 288 h	After 360 h	After 363 h	After 50 cycles
High-voltage test (see 16.3)		--	--	--	--	P
Leakage current (mA) (see 16.2)		--	--	--	--	1.9
Electric strength (see 13.3)		--	--	--	--	P
Room temperature (°C) (20 ± 5°C)		--	--	--	--	22.0
Number of cycles (≥ 2000 or 50)		--	--	--	--	50
Housing temperature (°C) (≤ 150°C)		--	--	--	--	25.3
supplementary information: N/A						

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Clause	Requirement + Test	Result - Remark	Verdict

19.11.2	Abnormal Operation			P
Fault condition	Short circuit	Open circuit	Effect	Verdict
Indoor unit: MAIN PCB Board MCC-1696, MCC-1643, MCC-1570				
L01	X	X	Unit cannot turn on. No hazard observed.	P
DB01 (+ to ~)	X	X	Unit cannot turn on. No hazard observed.	P
DB01 (- to ~)	X	X	Unit cannot turn on. No hazard observed.	P
DB01 (~ to ~)	X	X	Unit cannot turn on. No hazard observed.	P
C08	X	X	Unit cannot turn on. No hazard observed.	P
IC01 (2-5,6,7,8)	X	X	Unit cannot turn on. No hazard observed.	P
T01 (1-3)	X	X	Unit cannot turn on. No hazard observed.	P
T01 (12-7)	X	X	Unit cannot turn on. No hazard observed.	P
Outdoor unit: MAIN PCB Board WP-030, MCC-1645, MCC-1713, MCC-1705, MCC-1648, MCC-1626, MCC-1627				
L01	X	X	Unit cannot turn on. No hazard observed.	P
L02	X	X	Unit cannot turn on. No hazard observed.	P
T01 (1-2)	X	X	Unit cannot turn on. No hazard observed.	P
T01 (3-4)	X	X	Unit cannot turn on. No hazard observed.	P
T100 (1-3)	X	X	Unit cannot turn on. No hazard observed.	P
T100 (12-11)	X	X	Unit cannot turn on. No hazard observed.	P
T100 (10-7)	X	X	Unit cannot turn on. No hazard observed.	P
IC100 (2-5,6,7,8)	X	X	Unit cannot turn on. No hazard observed.	P
C20	X	X	Unit cannot turn on. No hazard observed.	P

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Clause	Requirement + Test	Result - Remark	Verdict

19.13	TABLE: Abnormal operation, temperature rises			P
Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)		
Outdoor unit : RAV-GM301ATP-E				
Upper shell compressor	97.9	For reference		
Wire to compressor	97.9	For reference		
Cover terminal of compressor	83.4	For clause 30		
Fan motor case	79.0	For reference		
4 Way valve coil	76.6	For clause 30		
PMV Coil	76.6	For clause 30		
Reactor	79.1	For reference		
T 02 (CT)	79.1	For clause 30		
T 101	72.6	For clause 30		
RY 01	72.6	For clause 30		
RY 72	71.2	For clause 30		
L 01	70.7	For clause 30		
L 02	66.5	For clause 30		
C 01	66.5	For reference		
C 06	68.0	For reference		
C 07	68.2	For reference		
PCB	72.7	For clause 30		
Plastic support PCB	72.7	For reference		
Terminal input	66.5	For clause 30		
Supply cord	58.0	For reference		
Cord sheath	56.9	For reference		
Enclosure Top	58.9	For reference		
Enclosure Front near compressor	58.9	For reference		
Fan guard	60.3	For clause 30		
Wooden support	60.3	For reference		
Indoor unit : RAV-RM301SDT-E				
Fan motor case	44.8	For reference		
Drain pump	44.8	For reference		
Water level sensor	44.6	For reference		
T 01	57.4	For clause 30		

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Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
L 01	57.4	For clause 30
L 401	50.8	For clause 30
RY 01	51.2	For clause 30
C 01	51.2	For reference
C 08	52.1	For reference
PCB	63.1	For clause 30
Terminal input	63.1	For clause 30
Supply cord	45.4	For reference
Cord sheath	44.5	For reference
Wire remote control	44.2	For reference
Enclosure	46.2	For reference
Outdoor unit : RAV-GM401ATP-E		
Upper shell compressor	85.5	For reference
Wire to compressor	68.5	For reference
Plastic support compressor	64.3	For clause 30
Fan motor case	69.7	For reference
Discharge pipe	70.1	For reference
4 Way valve	90.6	For clause 30
PMV Coil	56.0	For clause 30
Reactor	75.9	For reference
T 02 (CT)	74.1	For clause 30
T 101	77.7	For clause 30
RY 01	82.2	For clause 30
RY 72	84.4	For clause 30
L 01	73.8	For clause 30
C 01	70.4	For reference
C 07	74.3	For reference
PCB	80.3	For clause 30
Plastic support PCB	72.3	For reference
Terminal input	62.9	For clause 30
Supply cord	60.7	For reference
Cord sheath	60.6	For reference

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Clause	Requirement + Test	Result - Remark	Verdict
	Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
	Enclosure Top	62.7	For reference
	Enclosure Front near compressor	60.6	For reference
	Fan guard	65.9	For clause 30
	Wooden support	60.5	For reference
Indoor unit : RAV-RM401MUT-E			
	Fan motor case	48.9	For reference
	Drain pump	52.1	For reference
	Water level sensor	52.7	For reference
	Stepping motor (Blade H)	58.7	For reference
	T 01	62.6	For clause 30
	L 01	51.1	For clause 30
	L 401	58.7	For clause 30
	C 01	49.9	For reference
	C 08	58.9	For reference
	PCB	57.9	For clause 30
	Terminal input	43.6	For clause 30
	Supply cord	43.4	For reference
	Cord sheath	42.8	For reference
	Front panel	43.0	For reference
	Remote control	42.8	For reference
	Enclosure	43.8	For reference
Outdoor unit : RAV-GP561ATP-E			
	Upper shell compressor	79.0	For reference
	Wire to compressor	72.2	For reference
	Bimetal Thermo	70.9	For clause 30
	Plastic support compressor	62.9	For clause 30
	Fan motor case	67.6	For reference
	Discharge pipe	91.0	For reference
	4 Way valve	53.1	For clause 30
	PMV Coil	51.2	For clause 30
	Pressure switch	54.7	For reference
	Reactor	77.7	For reference

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
T 01 (CT)	63.5	For clause 30
T 02	61.5	For clause 30
RY 01	76.8	For clause 30
RY 701	62.9	For clause 30
RY 702	63.2	For clause 30
L 01	61.8	For clause 30
C 02	62.3	For reference
C 09	60.3	For reference
PCB	62.5	For clause 30
Terminal input	54.7	For clause 30
Supply cord	54.7	For reference
Cord sheath	55.0	For reference
Enclosure Top	57.6	For reference
Enclosure Fron near compressor	56.0	For reference
Fan guard	58.5	For clause 30
Wooden support	54.4	For reference
Indoor unit : RAV-RM561MUT-E		
Fan motor case	48.9	For reference
Drain pump	52.1	For reference
Water level sensor	52.7	For reference
Stepping motor (Blade H)	58.7	For reference
T 01	62.6	For clause 30
L 01	51.1	For clause 30
L 401	58.7	For clause 30
C 01	49.9	For reference
C 08	58.9	For reference
PCB	57.9	For clause 30
Terminal input	43.6	For clause 30
Supply cord	43.4	For reference
Cord sheath	42.8	For reference
Front panel	43.0	For reference
Remote control	42.8	For reference

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict
	Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
	Enclosure	43.8	For reference
Outdoor unit : RAV-GM801ATP-E			
	Upper shell compressor	100.3	For reference
	Wire to compressor	81.6	For reference
	Bimetal Thermo	86.5	For clause 30
	Plastic support compressor	88.9	For clause 30
	Fan motor case	60.8	For reference
	Discharge	91.5	For reference
	4 Way valve	55.9	For clause 30
	PMV Coil	52.6	For clause 30
	Reactor	73.2	For reference
	T 01	68.5	For clause 30
	T 02 (CT)	63.3	For clause 30
	RY 01	79.3	For clause 30
	RY 701	65.7	For clause 30
	RY 702	65.6	For clause 30
	L 01	62.2	For clause 30
	Reactor	62.0	For reference
	C 02	63.5	For reference
	C 09	63.0	For reference
	PCB	65.1	For clause 30
	Terminal input	56.2	For clause 30
	Supply cord	56.2	For reference
	Cord sheath	56.0	For reference
	Enclosure Top	57.4	For reference
	Enclosure Front near compressor	56.5	For reference
	Fan guard	58.5	For clause 30
	Wooden support	57.2	For reference
Indoor unit : RAV-RM801BTP-E			
	Fan motor case	49.0	For reference
	Drain pump	44.8	For reference
	Water level sensor	47.0	For reference

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
T 01	47.4	For clause 30
L 01	45.4	For clause 30
L 401	45.6	For clause 30
RY 01	50.5	For clause 30
C 01	44.8	For reference
C 08	44.5	For reference
PCB	50.4	For clause 30
Terminal input	43.1	For clause 30
Supply cord	43.3	For reference
Cord sheath	43.2	For reference
Remote control	42.7	For reference
Enclosure	43.2	For reference
Reactor	46.2	For reference
Outdoor unit : RAV-GP801AT-E		
Upper shell compressor	110.9	For reference
Wire to compressor	84.3	For reference
Bimetal Thermo	100.0	For clause 30
Plastic support compressor	81.2	For clause 30
Fan motor case	63.7	For reference
Discharge	86.7	For reference
4 Way valve	53.4	For clause 30
PMV Coil	51.8	For clause 30
Pressore switch	54.9	For reference
Reactor	68.4	For reference
T 01	56.6	For clause 30
T 100	64.5	For clause 30
RY 10	72.0	For clause 30
RY 700	62.5	For clause 30
RY 701	61.0	For clause 30
L 01	57.9	For clause 30
C 01	57.2	For reference
C 07	57.6	For reference

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
C 20	60.2	For reference
PCB	62.9	For clause 30
Terminal input	55.2	For clause 30
Supply cord	55.8	For reference
Cord sheath	54.6	For reference
Enclosure Top	56.1	For reference
Enclosure Fron near compressor	55.6	For reference
Fan guard	55.9	For clause 30
Wooden support	56.0	For reference
Indoor unit : RAV-RM801KRTP-E		
Fan motor case	58.1	For reference
Plastic support fan	45.9	For reference
Stepping motor (H)	50.1	For reference
Stepping motor (V)	47.3	For reference
T 01	55.0	For clause 30
L 01	54.6	For clause 30
RY 01	51.0	For clause 30
C 08	57.1	For reference
PCB	51.6	For clause 30
Terminal input	42.6	For clause 30
Supply cord	42.5	For reference
Cord sheath	42.2	For reference
Display	41.9	For reference
Enclosure front	42.4	For clause 30
Enclosure side near PCB	42.4	For reference
Wooden support	41.6	For reference
Outdoor unit : RAV-GM1401ATP-E		
Upper shell compressor	75.1	For reference
Wire to compressor	84.6	For reference
Bimetal Thermo	75.3	For clause 30
Plastic support compressor	69.5	For clause 30
Fan motor case	69.0	For reference

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
Discharge	82.1	For reference
4 Way valve	55.7	For clause 30
PMV Coil	50.9	For clause 30
Reactor	86.0	For reference
T 20	61.5	For clause 30
T 120	70.9	For clause 30
RY 20	73.3	For clause 30
RY 700	63.5	For clause 30
RY 702	65.0	For clause 30
L 20	74.9	For clause 30
C 21	68.6	For reference
C 30	60.1	For reference
PCB	60.3	For clause 30
Terminal input	55.2	For clause 30
Supply cord	55.2	For reference
Cord sheath	51.7	For reference
Enclosure Top	58.4	For reference
Enclosure Fron near compressor	55.6	For reference
Fan guard	60.4	For clause 30
Wooden support	56.4	For reference
Indoor unit : RAV-RM1401BTP-E		
Fan motor case	52.2	For reference
Drain pump	44.2	For reference
Water level sensor	47.4	For reference
T 01	46.1	For clause 30
L 01	45.5	For clause 30
L 401	44.6	For clause 30
Reactor	46.2	For reference
RY 01	47.4	For clause 30
C 01	45.2	For reference
C 08	44.8	For reference
PCB	47.9	For clause 30

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
Terminal input	43.3	For clause 30
Supply cord	43.4	For reference
Cord sheath	43.4	For reference
Remote control	40.0	For reference
Enclosure	43.6	For reference
Outdoor unit : RAV-GM1401AT8P-E		
Upper shell compressor	95.3	For reference
Wire to compressor	70.0	For reference
Bimetal Thermo	82.4	For clause 30
Plastic support compressor	83.4	For clause 30
Fan motor case	63.7	For reference
Discharge	99.9	For reference
4 Way valve	59.1	For clause 30
PMV Coil	54.5	For clause 30
Pressure switch	58.3	For reference
Reactor	81.3	For reference
T 620 (Driver PCB)	61.8	For clause 30
T 621 (Driver PCB)	62.5	For clause 30
L01 (Driver PCB)	69.4	For clause 30
RY01 (Driver PCB)	72.7	For reference
C1 (Driver PCB)	59.6	For reference
C2 (Driver PCB)	58.7	For reference
C3 (Driver PCB)	58.2	For reference
C5 (Driver PCB)	62.7	For reference
C13 (Driver PCB)	59.3	For reference
RB (Driver PCB)	62.0	For reference
PCB (Driver PCB)	61.5	For clause 30
T01 (Control PCB)	73.1	For reference
L01 (Control PCB)	60.8	For clause 30
RY01 (Control PCB)	73.0	For clause 30
RY03 (Control PCB)	68.1	For clause 30
RY500 (Control PCB)	72.6	For clause 30

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Thermocouple locations	Max. temperature measured, T (°C)	Max. temperature limit, T (°C)
RY700 (Control PCB)	64.0	For clause 30
C01 (Control PCB)	61.4	For reference
C10 (Control PCB)	60.7	For reference
RB (Control PCB)	66.7	For reference
PCB (Control PCB)	67.7	For clause 30
Terminal input	55.6	For reference
Supply cord	54.3	For reference
Cord sheath	54.3	For reference
Enclosure Top	56.3	For reference
Enclosure Fron near compressor	55.2	For reference
Fan guard	56.6	For clause 30
Wooden support	56.1	For reference
Indoor unit : RAV-RM1401BTP-E		
Fan motor case	57.3	For reference
Drain pump	43.7	For reference
Water level sensor	43.7	For reference
T 01	53.0	For clause 30
L 01	46.9	For clause 30
L 401	50.1	For clause 30
Reactor	48.0	For reference
RY 01	50.8	For clause 30
C 01	46.3	For reference
C 08	45.8	For reference
PCB	48.0	For clause 30
Terminal input	44.1	For clause 30
Supply cord	44.1	For reference
Cord sheath	44.2	For reference
Remote control	40.8	For reference
Enclosure	44.3	For reference
Supplementary information: The highest measurement from all test voltages and test conditions are put in this table.		

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

19.101-104	Abnormal operation conditions		P
Subclause	Effect	Verdict	
19.101	As specified	P	
19.102	As specified	N/A	
19.103	As specified	P	
19.104	As specified	N/A	
Supplementary information: N/A			

21.1	TABLE: Impact resistance			P
Impacts per surface	Surface tested	Impact energy (Nm)	Comments	
3	Front panel	0.5	Pass	
3	Side enclosure	0.5	Pass	
Supplementary information: N/A				

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

24.1	TABLE: Critical components information					P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Components for indoor model: RAV-RM301KRTP-E, RAV-RM401KRTP-E, RAV-RM561KRTP-E, RAV-RM801KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-TR, RAV-RM561KRTP-TR, RAV-RM801KRTP-TR						
Fan Motor	NIDEC	ICF-340-30- 6	DC340V, 30W, Class E	IEC 60335-2-40 IEC 60335-1	Tested in appliance	
<Alternative>	PANASONIC	MF-340-30-3	DC340V, 30W, Class E	IEC 60335-2-40 IEC 60335-1	Tested in appliance	
<Alternative>	PANASONIC	MF-340-30-4	DC340V, 30W, Class E	IEC 60335-2-40 IEC 60335-1	Tested in appliance	
<Alternative>	PANASONIC	MF-340-30-2	DC340V, 30W, Class E	IEC 60335-2-40 IEC 60335-1	Tested in appliance	
<Alternative>	PANASONIC	MF-340-30- 1RT	DC340V, 30W, Class E	IEC 60335-2-40 IEC 60335-1	Tested in appliance	
<Alternative>	NIDEC	ICF-340U30- 1, ICF-340U30-2	DC340V, 30W, Class E	IEC 60335-2-40 IEC 60335-1	Tested in appliance	
<Alternative>	NIDEC	ICF-340-30- 2B, ICF-340-30-4, ICF-340-30- 4A	DC340V, 30W, Class E	IEC 60335-2-40 IEC 60335-1	Tested in appliance	
<Alternative>	WELLING	RD-340-30-8A	DC340V, 30W, Class E	IEC 60335-2-40 IEC 60335-1	Tested in appliance	
Terminal Block	JINLONG	JXO-3B	3P	IEC 60335-2-40 IEC 60335-1	Tested in appliance	
<Alternative>	OTAX	TB-ETS-3P	3P	IEC 60335-2-40 IEC 60335-1	Tested in appliance	
<Alternative>	HOPPY	HP-T3038-3P	3P	IEC 60335-2-40 IEC 60335-1	Tested in appliance	
<Alternative>	KYOSHIN	3P	3P	IEC 60335-2-40 IEC 60335-1	Tested in appliance	
Terminal Block	JINLONG	JXO-2B, JXO- B2F	2P,4P	IEC 60335-2-40 IEC 60335-1	Tested in appliance	
<Alternative>	OTAX	TB-ETS-2P	2P	IEC 60335-2-40 IEC 60335-1	Tested in appliance	
<Alternative>	HOPPY	HP-T3038-2P	2P	IEC 60335-2-40 IEC 60335-1	Tested in appliance	

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative>	KYOSHIN	2P	2P	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Louver Motor	BERTIE	24BYJ48A-080	12VDC	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	LEILI	24BYJ48-ST, 24BYJ48-STC	12VDC	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	LEILI	24BYJ48-HT, 24BYJ48-HTP	12VDC	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	NIDEC SANKYO	MSBPC20F04	12VDC	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	HIGASHIFUJI	MP24Z3T, MP24Z3N, MP24ZCT, MP24ZCN, MP24Z4N	12VDC	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Print Circuit Board	Interchangeable	MCC-1696	Material: Paper base UL 94 flame	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Pressure Switch	Saginomiya Seisakujo	ACB-4UB154W	OFF:4.15MPa ON:3.2MPa	DIN32733 IEC/EN 12263	TUV
Components for Printed circuit board model: MCC-1696					
Fuse (F301,F401)	ROHM	ICP-N70	T2.5A, 50VAC	IEC/EN 60127-2	SEMKO
Switching Transformer (T01)	TABUCHI	SWT-107	Class E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Line Filter (L01)	TOKIN	SS11V-R08	12.5mH,0.8A	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	TOKIN	SS11V-R06	27.0mH,0.6A	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Line Filter (L02,L03)	TDK	MPZ160	0.020mH,3.5A	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Capacitor (C01)	OKAYA	LE684	0.68μF, 310VAC	IEC/EN 60384-14	SEMKO
Capacitor (C03,C04)	MURATA	KY102	1000pF,250VAC	IEC/EN 60384-14	VDE

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative>	MURATA	KH	1000pF,250VAC	IEC/EN 60384-14	VDE
Capacitor (C06)	MURATA	KY472	4700pF,250VAC	IEC/EN 60384-14	VDE
<Alternative>	MURATA	KH	4700pF,250VAC	IEC/EN 60384-14	VDE
Fuse (F01)	HOLLYLAND	50T(P)032HF	3.15A, 250VAC	IEC/EN 60127-2	SEMKO
<Alternative>	SOC	3.15A	3.15A, 250VAC	IEC/EN 60127-2	SEMKO
<Alternative>	NIPPON SEISEN	FCU250V/3.15A	3.15A, 250VAC	IEC/EN 60127-2	SEMKO

Components for Indoor unit: **Compact 4-Way Cassette Type**

RAV-RM301MUT-E/TR,RAV-RM401MUT-E/TR,RAV-RM561MUT-E/TR

Parts on PCB MCC-1643

Printed Circuit Board, PW01	Various	MCC-1643	Glass fiber epoxy resin, V-0	IEC 60335-2-40 IEC 60335-1	Tested in appliance
X Capacitor, C01	Okaya Electric Industries Co., Ltd.	LE684-MX	0.68uF, 310VAC	IEC 60384-14	SEMKO
<Alternative>	Okaya Electric Industries Co., Ltd.	LE684-FX	0.68uF, 310VAC	IEC 60384-14	SEMKO
<Alternative>	KEMET	R46K	0.68μF, 275VAC	IEC 60384-14	ENEC/IMQ
Smoothing Capacitor, C08	Various	Various	220μF, 400V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Y Capacitor, C03, C04, C06	Murata Mfg Co., Ltd	KH, KY	4700pF, 250VAC	IEC60384-14	VDE
<Alternative>	Murata Mfg Co., Ltd	KH, KY	0.01μF, 250VAC	IEC60384-14	VDE
<Alternative>	Murata Mfg Co., Ltd	KH, KY	2200pF, 250VAC	IEC60384-14	VDE
<Alternative>	Murata Mfg Co., Ltd	KH, KY	1000pF, 250VAC	IEC60384-14	VDE
Bridging Capacitor Y2 (C23)	Murata Mfg Co., Ltd	KH, KY	4700pF, 250VAC	IEC60384-14	VDE
<Alternative>	Murata Mfg Co., Ltd	KH, KY	0.01μF, 250VAC	IEC60384-14	VDE
<Alternative>	Murata Mfg Co., Ltd	KH, KY	2200pF, 250VAC	IEC60384-14	VDE

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative>	Murata Mfg Co., Ltd	KH, KY	1000pF, 250VAC	IEC60384-14	VDE
Fuse, F01	Holly land Co., Ltd.	50T(P) 063HF	6.3A, 250VAC	IEC 60127-2	SEMKO
<Alternative>	NIPPON SEISEN Corp.	FJL, SLT	6.3A, 250VAC	IEC 60127-2	SEMKO
<Alternative>	SKYGATE Co., Ltd.	SG5013 063P-R F	6.3A, 250VAC	IEC 60127-2	SEMKO
<Alternative>	SOC	BET, TSCR	6.3A, 250VAC	IEC/EN 60127-2	SEMKO
Photo Coupler IC05, IC07, IC08	Toshiba Corporation	TLP183	BV 3750Vrms	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	Toshiba Corporation	TLP185	BV 3750Vrms	IEC/EN 60747-5- 2	VDE
<Alternative>	EVERLIGHT	EL357N	BV 3750Vrms	EN60747-5-5	VDE
Photo Coupler, IC09	Toshiba Corporation	TLP748J(D4)	BV 4000 Vrms	IEC 60747-5-5	VDE
Line Filter, L01	TDK-EPC Corporation	SS21V- R180044	4.7mH, 2.8A, Insulation class: A Insulation case: PBT	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Varistor, R01 (Line to Line)	Nippon Chemi-con Corp.	TNR14V561K	560V, 0.6W	CECC42000, 42200,42201	VDE
<Alternative>	EPCOS CO LTD	S14K300	560V, 0.6W	IEC 61051-1 IEC 61051-2	VDE
<Alternative>	Walsin Pan Oversea	SR561K14D0	560V, 0.6W	IEC 61051-1 IEC 61051-2	VDE
<Alternative>	Nippon Chemi-con Corp.	TNR10V471K	470V, 0.4W	CECC42000, 42200,42201	VDE
<Alternative>	EPCOS CO LTD	S10K300	470V, 0.4W	IEC 61051-1 IEC 61051-2	VDE
<Alternative>	Walsin Pan Oversea	SR471K10D0	470V, 0.4W	IEC 61051-1 IEC 61051-2	VDE

IEC 60335-2-40					
Clause	Requirement + Test		Result - Remark		Verdict
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Switching Transformer, T01	TABUCHI Electric Co., Ltd.	SWT-107	Bobbin: Phenol V-0 Windings: UEW Insulation Class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Connector, CN67	J.S.T. Mfg. Co., Ltd.	B3P5-VH-B-K,	7A, 250VAC PBT (Glass fiber) V-0	IEC 61984	TUV
Connector, CN309	J.S.T. Mfg. Co., Ltd.	B2P3-VH-B-Y	7A, 250VAC PBT (Glass fiber) V-0	IEC 61984	TUV
Connector CN210	J.S.T. Mfg. Co., Ltd.	B5(7-2.3)B- XASK	3A, 250VAC PBT (Glass fiber) V-0	IEC 61984	TUV
Other parts					
Terminal Block	Yueqing Jinlong Electronics Industrial	JXO-3B	AC250V, 20A, Urea, Thermosetting, V-0	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	Kyoshin Kogyo	3P	AC250V, 20A, Unsaturated Polyester Thermosetting, V-0	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Connector for PCB Input	J.S.T. Mfg. Co., Ltd.	VHR-3N-BK, VHR-5N-BK	Nylon6, V-0	IEC 61984	TUV
Connector for Fan Motor	J.S.T. Mfg. Co., Ltd.	XAP-07V-1, XARP-07V	Nylon6, V-0	IEC 61984	TUV
Fan Motor	NIDEC TECHNO MOTOR CORPORATIO N	ICF-340D60-1	DC280-340V Output 60W Insulation class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Drain Pump Motor	SAGINOMIYA SEISAKUSHO, INC.	MDP-1401	DC12V Insulation class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	SAGINOMIYA SEISAKUSHO, INC.	MDP-1201	DC12V Insulation class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	Fujikoki Corporation	PMD-08D12TF-2	DC12V Insulation class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance

IEC 60335-2-40					
Clause	Requirement + Test			Result - Remark	Verdict
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Option					
TCB-IFCB-4E2 (Remote Location ON/OFF Control Box)	Nisshin Electronics Co. Ltd.	-	-	IEC 60335-2-40 IEC 60335-1	Tested in appliance
RBC-PCUC1E-1 (Application control kit)	Time Engineering Co.,Ltd	-	-	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Terminal> TB1	Fujicon	UF2060AX-4L- 6P	250VAC/6A PBT, V-0	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<PCB> PW01	Various	TX-TOS1217A	Glass fiber epoxy resin, V-0	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Relay> K1,K2,K3	Panasonic	ALD112	3A/277VAC 3A/30VDC	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	Panasonic	ALDP112W	5A/250VA	EN61810-1	VDE
TCB-SIR41UM-E (Occupancy Sensor)	SANO KOGYO CO.,LTD.	-	-	IEC 60335-2-40 IEC 60335-1	Tested in appliance
RBC- UM21PG(W)-E (Ceiling Panel)	Kusumi CO.,LTD.	-	-	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Louver Motor (in Ceiling Panel)	NIDEC SANKYO CORPORATIO N	MSBPC20F04	DC12V Insulation class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
TCB- PCNT30TLE2 (1:1 model Connection Interface)	Toshiba Carrier Corporation	-	-	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Components for Indoor unit: 4-Way Smart Cassette Type RAV-GM561UT-E/TR, RAV-GM801UT-E/TR					
Parts on PCB MCC-1643					
Printed Circuit Board, PW01	Various	MCC-1643	Glass fiber epoxy resin, V-0	IEC 60335-2-40 IEC 60335-1	Tested in appliance

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
X Capacitor, C01	Okaya Electric Industries Co., Ltd.	LE684-MX	0.68µF, 310VAC	IEC 60384-14	SEMKO
<Alternative>	Okaya Electric Industries Co., Ltd.	LE684-FX	0.68µF, 310VAC	IEC 60384-14	SEMKO
<Alternative>	KEMET	R46K	0.68µF, 275VAC	IEC 60384-14	ENEC/IMQ
Smoothing Capacitor, C08	Various	Various	220µF, 400V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Y Capacitor, C03, C04, C06	Murata Mfg Co., Ltd	KH, KY	4700pF, 250VAC	IEC60384-14	VDE
<Alternative>	Murata Mfg Co., Ltd	KH, KY	0.01µF, 250VAC	IEC60384-14	VDE
<Alternative>	Murata Mfg Co., Ltd	KH, KY	2200pF, 250VAC	IEC60384-14	VDE
<Alternative>	Murata Mfg Co., Ltd	KH, KY	1000pF, 250VAC	IEC60384-14	VDE
Bridging Capacitor Y2 (C23)	Murata Mfg Co., Ltd	KH, KY	4700pF, 250VAC	IEC60384-14	VDE
<Alternative>	Murata Mfg Co., Ltd	KH, KY	0.01µF, 250VAC	IEC60384-14	VDE
<Alternative>	Murata Mfg Co., Ltd	KH, KY	2200pF, 250VAC	IEC60384-14	VDE
<Alternative>	Murata Mfg Co., Ltd	KH, KY	1000pF, 250VAC	IEC60384-14	VDE
Fuse, F01	Holly land Co., Ltd.	50T(P) 063HF	6.3A, 250VAC	IEC 60127-2	SEMKO
<Alternative>	NIPPON SEISEN Corp.	FJL, SLT	6.3A, 250VAC	IEC 60127-2	SEMKO
<Alternative>	SKYGATE Co., Ltd.	SG5013 063P-R F	6.3A, 250VAC	IEC 60127-2	SEMKO
<Alternative>	SOC	BET, TSCR	6.3A, 250VAC	IEC/EN 60127-2	SEMKO
Photo Coupler IC05, IC07, IC08	Toshiba Corporation	TLP183	BV 3750Vrms	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	Toshiba Corporation	TLP185	BV 3750Vrms	IEC/EN 60747-5- 5	VDE

IEC 60335-2-40					
Clause	Requirement + Test			Result - Remark	Verdict
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative>	EVERLIGHT	EL357N	BV 3750Vrms	EN60747-5-5	VDE
Photo Coupler, IC09	Toshiba Corporation	TLP748J(D4)	BV 4000 Vrms	IEC 60747-5-5	VDE
Line Filter, L01	TDK-EPC Corporation	SS21V- R180044	4.7mH, 2.8A, Insulation class: A Insulation case: PBT	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Varistor, R01 (Line to Line)	Nippon Chemi-con Corp.	TNR14V561K	560V, 0.6W	CECC42000, 42200,42201	VDE
<Alternative>	EPCOS CO LTD	S14K300	560V, 0.6W	IEC 61051-1 IEC 61051-2	VDE
<Alternative>	Walsin Pan Oversea	SR561K14D0	560V, 0.6W	IEC 61051-1 IEC 61051-2	VDE
<Alternative>	Nippon Chemi-con Corp.	TNR10V471K	470V, 0.4W	CECC42000, 42200,42201	VDE
<Alternative>	EPCOS CO LTD	S10K300	470V, 0.4W	IEC 61051-1 IEC 61051-2	VDE
<Alternative>	Walsin Pan Oversea	SR471K10D0	470V, 0.4W	IEC 61051-1 IEC 61051-2	VDE
Switching Transformer, T01	TABUCHI Electric Co., Ltd.	SWT-107	Bobbin: Phenol V-0 Windings: UEW Insulation Class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Connector, CN67	J.S.T. Mfg. Co., Ltd.	B3P5-VH-B-K,	7A, 250VAC PBT (Glass fiber) V-0	IEC 61984	TUV
Connector, CN309	J.S.T. Mfg. Co., Ltd.	B2P3-VH-B-Y	7A, 250VAC PBT (Glass fiber) V-0	IEC 61984	TUV
Connector CN210	J.S.T. Mfg. Co., Ltd.	B5(7-2.3)B- XASK	3A, 250VAC PBT (Glass fiber) V-0	IEC 61984	TUV
Other parts					
Terminal Block	Yueqing Jinlong Electronics Industrial	JXO-3B	AC250V, 20A, Urea, Thermosetting, V-0	IEC 60335-2-40 IEC 60335-1	Tested in appliance

IEC 60335-2-40					
Clause	Requirement + Test		Result - Remark		Verdict
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative>	Kyoshin Kogyo	3P	AC250V, 20A, Unsaturated Polyester Thermosetting, V-0	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Connector for PCB Input	J.S.T. Mfg. Co., Ltd.	VHR-3N-BK, VHR-5N-BK	Nylon6, V-0	IEC 61984	TUV
Connector for Fan Motor	J.S.T. Mfg. Co., Ltd.	XAP-07V-1, XARP-07V	Nylon6, V-0	IEC 61984	TUV
Fan Motor (For GM80 type)	NIDEC TECHNO MOTOR CORPORATIO N	ICF-340D130-2	DC280-340V Output 130W Insulation class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Fan Motor (For GM56 type)	NIDEC TECHNO MOTOR CORPORATIO N	ICF-340D60-1	DC280-340V Output 60W Insulation class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Drain Pump Motor	Fujikoki Corporation	PMD-08D12TF-2	DC12V Insulation class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	SAGINOMIYA SEISAKUSHO, INC.	MDP-1201	DC12V Insulation class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Option					
TCB-IFCB-4E2 (Remote Location ON/OFF Control Box)	Nisshin Electronics Co. Ltd.	-	-	IEC 60335-2-40 IEC 60335-1	Tested in appliance
RBC-PCUC1E-1 (Application control kit)	Time Engineering Co.,Ltd	-	-	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Terminal> TB1	Fujicon	UF2060AX-4L- 6P	250VAC/6A PBT,V-0	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<PCB> PW01	Various	TX-TOS1217A	Glass fiber epoxy resin, V-0,	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Relay> K1,K2,K3	Panasonic	ALD112	3A/277VAC 3A/30VDC	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	Panasonic	ALDP112W	5A/250VA	EN61810-1	VDE

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
TCB-SIR41U-E (Occupancy Sensor)	SANO KOGYO CO.,LTD.	-	-	IEC 60335-1 IEC 60335-2-40	Tested in appliance
RBC- U41PG(W)-E (Ceiling Panel)	Kusumi CO.,LTD.	-	-	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Louver Motor (in Ceiling Panel)	NIDEC SANKYO CORPORATIO N	MSBPC20F04	DC12V Insulation class: E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
TCB- PCNT30TLE2 (1:1 model Connection Interface)	Toshiba Carrier Corporation	-	-	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Components for Indoor unit: Slim Duct type RAV-RM301SDT-E/TR,RAV-RM401SDT-E/TR,RAV-RM561SDT-E/TR					
Parts on PCB MCC-1570					
Printed Circuit Board PW01	Various	MCC-1570	Glass fiber epoxy resin, V-0, CTI=600	IEC 60335-1 IEC 60335-2-40	Tested in appliance
X Capacitor C01	KEMET	R46K	0.33µF, 275VAC	IEC 60384-14	ENEC
<Alternative>	Okaya Electric Industries Co., Ltd.	LE334-MX-A- C	0.33uF,275VAC	IEC 60384-14	ENEC
<Alternative>	Okaya Electric Industries Co., Ltd.	LE334-MX-C	0.33uF,275VAC	IEC 60384-14	ENEC
Smoothing Capacitor C08	Various	Various	220µF, DC400V	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Y Capacitor C03, 04	Murata Manufacturing Co., Ltd	KH, KY	2200pF, 250VAC	IEC 60384-14	VDE
Fuse F01	NIPPON SEISEN Corp.	FJL, SLT	6.3A, 250VAC	IEC 60127-2	SEMKO
<Alternative>	Holly land Co Ltd	50T(P) 063HF	6.3A, 250VAC	IEC 60127-2	SEMKO

IEC 60335-2-40					
Clause	Requirement + Test		Result - Remark		Verdict
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative>	SKYGATE CO.,LTD	SG5013 063P-R F	6.3A, 250VAC	IEC 60127-2	SEMKO
<Alternative>	SOC	BET, TSCR	6.3A, 250VAC	IEC/EN 60127-2	SEMKO
Fuse F02	Skygate Co.,Ltd.	SCT3.15A	3.15A, 250VAC	IEC 60127-2	SEMKO
<Alternative>	Holly land Co Ltd	50T(P) 032HF	3.15A, 250VAC	IEC 60127-2	SEMKO
<Alternative>	SKYGATE Co., Ltd.	SG5013 3.15P-R F	3.15A, 250VAC	IEC 60127-2	SEMKO
<Alternative>	NIPPON SEISEN	FJL, FCU	3.15A, 250VAC	IEC/EN 60127-2	SEMKO
<Alternative>	SOC	BET, TSCR	3.15A, 250VAC	IEC/EN 60127-2	SEMKO
<Alternative>	PICO	SCT	3.15A, 250VAC	IEC/EN 60127-2	VDE, SEMKO
Photo Coupler IC09	Toshiba Corporation	TLP748J	BV 4000 Vrms	IEC 60747-5-2	VDE
Photo Coupler IC09	Toshiba Corporation	TLP748J	BV 4000 Vrms	IEC 60747-5-5	VDE
Photo Coupler IC05, 07, 08 IC203, 204	Toshiba Corporation	TLP183	BV 3750Vrms	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	Toshiba Corporation	TLP185	BV 3750Vrms	IEC/EN 60747-5- 5	VDE
Line Filter L01	TDK-EPC Corporation	HF2836- 203Y1R5	20mH, 1.5A, Insulation class: A PBT	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	TDK-EPC Corporation	HF2836- 802Y2R0	8mH, 2A, Insulation class: A PBT	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Varistor R01, 26 (Line to Line)	Nippon Chemi- con Corp.	TNR10V471K	470V, 0.4W	CECC42000, 42200,42201	VDE
<Alternative>	EPCOS CO LTD	S10K300	470V	IEC 61051-1 IEC 61051-2	VDE
<Alternative>	WALSIN	SR471K10D	470V, 0.4W	IEC/EN 61051-1, IEC/EN 61051-2	VDE
Varistor R02 (Line to Earth)	Nippon Chemi- con Corp.	TNR14V561K	560V, 0.6W	CECC42000, 42200,42201	VDE

IEC 60335-2-40					
Clause	Requirement + Test			Result - Remark	Verdict
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative>	EPCOS CO LTD	S14K350	560V, 0.6W	IEC 61051-1 IEC 61051-2	VDE
<Alternative>	WALSIN	SR561K14D	560V, 0.6W	IEC/EN 61051-1, IEC/EN 61051-2	VDE
Surge Absorber SG01	Mitsubishi Materials Corp.	DA38-362MT	3.6kV	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Switching Transformer T01	Tamura Thermal Device	SWT-91	Bobbin: Phenol V- 0 Windings: UEW Insulation Class: E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Capacitor C33	NISSEI ELECTRIC Co., Ltd	MPE400J104 00000000	0.1µF, 400VDC	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	Nichicon Corp.	QXP2G104K RPT	0.1µF, 400V	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Surge Absorber SG02	Mitsubishi Materials Corp.	DA38-272MT	2.7kV	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Connector CN67	J.S.T. Mfg. Co., Ltd.	B3P5-VH-B-K	7A, 250VAC PBT (Glass fiber) V-0	IEC 61984	TUV
Connector CN309	J.S.T. Mfg. Co., Ltd.	B2P3-VH-B-Y	7A, 250VAC PBT (Glass fiber) V-0	IEC 61984	TUV
Connector CN333	J.S.T. Mfg. Co., Ltd.	B3P5-VH-B	7A, 250VAC PBT (Glass fiber) V-0	IEC 61984	TUV
X Capacitor C05	KEMET	R46K	0.1µF, 275VAC	IEC 60384-14	ENEC
<Alternative>	Okaya Electric Industries Co.,Ltd.	LE104-MX	0.1µF, 310VAC	IEC 60384-14	SEMKO
Other Parts					
Terminal Block	Kyoshin Kogyo	3P	AC250V, 20A, Unsaturated Polyester, Thermosetting V-0	IEC 60335-1 IEC 60335-2-40	Tested in appliance

IEC 60335-2-40					
Clause	Requirement + Test			Result - Remark	Verdict
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative>	Yueqing Jinlong Electronics Industrial	3P	AC250V, 20A, Urea, Thermosetting V-0	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Connector for PCB Input	J.S.T. Mfg. Co., Ltd.	VHR-5N-BK	Nylon6, V-0	IEC 61984	TUV
Connector for Fan Motor	J.S.T. Mfg. Co., Ltd.	VHR-5N	Nylon6, V-0	IEC 61984	TUV
Fan Motor	SANWA DENKI,INC	SWF-280-60-3	DC280-340V Output 60W Insulation class: E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Drain Pump Motor	SAGINOMIYA SEISAKUSHO, INC.	MDP-1401	DC12V Insulation class: E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	SAGINOMIYA SEISAKUSHO, INC.	MDP-1201	DC12V Insulation class: E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	Fujikoki Corporation	PMD-08D12TF-2	DC12V Insulation class: E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Option					
TCB-IFCB-4E2 (Remote Location ON/OFF Control Box)	Nisshin Electronics Co. Ltd.	-	-	IEC 60335-1 IEC 60335-2-40	Tested in appliance
TCB- PCNT30TLE2 (1:1 model Connection Interface)	Toshiba Carrier Corporation	-	-	IEC 60335-1 IEC 60335-2-40	Tested in appliance

IEC 60335-2-40					
Clause	Requirement + Test			Result - Remark	Verdict
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Components for outdoor model: RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR					
Compressor	GMCC	KSK89D53UFZ	DC Comp, Current: 4.95A, Input :715W, R32	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Components for outdoor model: RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR					
Compressor	GMCC	KTN130D30UFZ	DC Comp, Current: 7.10A, Input :1075W, R32	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Components for outdoor model: RAV-GM561ATP-E, RAV-GM561ATJP-E , RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR					
Compressor	TCFG	DX150A1T-20F	DC Comp, Current: 6.44A, Input :1155W, R32	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Components for outdoor model: RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR					
Compressor	TCFG	DX150A1T-21F	DC Comp, Current: 5.7A, Input :1100W, R32	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Components for outdoor model: RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR					
Compressor	TOSHIBA	NX220A1F-20N	DC comp, 2000W, R32	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Components for outdoor model: RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR					
Compressor	TCFG	DX330A2T-20M	DC Comp, Input :3270W, R32	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Components for outdoor model: RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR					
Compressor	TCFG	RX330A2T-20M	DC Comp, Input :3260W, R32	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Components for outdoor model: For all model					

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Fan Motor (For model RAV- GM301AT(J)P- E,TR RAV- GM401AT(J)P- E,TR RAV- GM561AT(J)P- E,TR RAV- GM801AT(J)P- E,TR)	WELLING	WDF-340-A43-1	DC340V, 43W, Insulation class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	NIDEC	ICF-140-43-4R	DC140V, 43W, Insulation class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Fan Motor (For model RAV- GP561AT(J)P- E,TR)	NIDEC	ICF-140-A43-1	DC280V, 40W Insulation class: E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Fan Motor (For model RAV- GP801AT(J) - E,TR)	NIDEC	ICF-280-A60- 1	DC280V, 60W Insulation class: E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Fan Motor (For model RAV- GM1101AT(J)P- E,TR RAV- GM1401AT(J)P- E,TR) RAV- GM1101AT8(J) P-E,TR RAV- GM1401AT8(J) P-E,TR)	WELLING	WDF-340-A100- 1	DC340V, 100W, Insulation class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	NIDEC	ICF-280-A100-1	DC280V, 100W, Insulation class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
4-Way Valve Coil (For model RAV- GM301AT(J)P- E,TR RAV- GM401AT(J)P- E,TR RAV- GM1101AT8(J) P-E,TR RAV- GM1401AT8(J) P-E,TR)	SANHUA	SQ	220-240V,50/60Hz	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	SAGINOMIYA	STF	220-240V,50/60Hz	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	DUNAN	DXQ	220-240V,50/60Hz	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	DUNAN	DFS-4	220-240V,50/60Hz	IEC 60335-2-40 IEC 60335-1	Tested in appliance
4-Way Valve Coil (For model RAV- GM561AT(J)P- E,TR RAV- GP561AT(J)P- E,TR RAV- GM801AT(J)P- E,TR RAV- GP801AT(J)- E,TR RAV- GM1101AT(J)P- E,TR RAV- GM1401AT(J)P- E,TR)	SAGINOMIYA	STF-H01	DC12V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	SANHUA	SQ	DC12V	IEC 60335-2-40 IEC 60335-1	Tested in appliance

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
PMV Coil (For model RAV- GM301AT(J)P- E,TR RAV- GM401AT(J)P- E,TR RAV- GM561AT(J)P- E,TR RAV- GP561AT(J)P- E,TR RAV- GM801AT(J)P- E,TR)	SANHUA	PQ	DC12V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
PMV coil (For model RAV- GP801AT(J)- E,TR)	SAGINOMIYA	UKV-A038, UKV-A040	DC12V Insulation class: E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
PMV Coil (For model RAV- GM1101AT(J)P- E,TR RAV- GM1401AT(J)P- E,TR RAV- GM1101AT8(J) P-E,TR RAV- GM1401AT8(J) P-E,TR)	FUJIKOKI	CAM	DC12V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Reactor (For model RAV- GM301AT(J)P- E,TR RAV- GM401AT(J)P- E,TR)	TABUCHI	CH-69	AC10A, 19±1.14mH	IEC 60335-2-40 IEC 60335-1	Tested in appliance

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Reactor (For model RAV- GM561AT(J)P- E,TR RAV- GM801AT(J)P- E,TR)	TABUCHI	CH-57	AC16A, 8.88~10.01mH	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Reactor (For model RAV- GP561AT(J)P- E,TR)	TABUCHI	CH-102	AC16A, 18mH	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Reactor (For model RAV- GP801AT(J)- E,TR)	TABUCHI	CH-101	10mH/20A, Insulation class: H	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Reactor (For model RAV- GM1101AT(J)P- E,TR RAV- GM1401AT(J)P- E,TR)	TABUCHI	CH-62	AC18.5A, 5.54~5.99mH	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Reactor (For model RAV- GM1101AT8(J) P-E,TR RAV- GM1401AT8(J) P-E,TR)	TABUCHI	CH-55	AC14A, 5.46~6.14mH	IEC 60335-2-40 IEC 60335-1	Tested in appliance

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Terminal Block (For model RAV- GM301AT(J)P- E,TR RAV- GM401AT(J)P- E,TR RAV- GM561AT(J)P- E,TR RAV- GP561AT(J)P- E,TR RAV- GM801AT(J)P- E,TR)	JINLONG	JXO-5B, JXO-6B	5P, 6P	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Terminal Block (For model RAV- GP801AT(J) - E,TR RAV- GM1101AT(J)P- E,TR RAV- GM1401AT(J)P- E,TR RAV- GM1101AT8P- E,-TR RAV- GM1401AT8P- E,-TR)	JINLONG	JXO-3B	3P	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Terminal Block (For model RAV- GP801AT(J) - E,TR)	JINLONG	JXO-6003	3P	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Terminal Block (For model RAV- GM1101AT(J)P- E,TR RAV- GM1401AT(J)P- E,TR)	JINLONG	JXO-3003	3P	IEC 60335-2-40 IEC 60335-1	Tested in appliance

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Terminal Block (For model RAV- GM1101AT8P- E,-TR RAV- GM1401AT8P- E,-TR)	JINLONG	JXO-4B	4P	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Print Circuit Board (For model RAV- GM301AT(J)P- E,TR RAV- GM401AT(J)P- E,TR)	Interchangeable	WP-030	Material: Glass Epoxy UL 94 flame	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Print Circuit Board (For model RAV- GM561AT(J)P- E,TR RAV- GM801AT(J)P- E,TR)	Interchangeable	MCC-1645	Material: Glass Epoxy UL 94 flame	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Print Circuit Board (For model RAV- GP561AT(J)P- E,TR)	Interchangeable	MCC-1713	Material: Glass Epoxy UL 94 flame	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Printed Circuit Board (For model RAV- GP801AT(J) - E,TR)	Interchangeable	MCC-1705	Glass fiber epoxy resin, V-0,CTI=600	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Print Circuit Board (For model RAV- GM1101AT(J)P- E,TR RAV- GM1401AT(J)P- E,TR)	Interchangeable	MCC-1648	Material: Glass Epoxy UL 94 flame	IEC 60335-2-40 IEC 60335-1	Tested in appliance

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Print Circuit Board (For model RAV- GM1101AT8(J) P-E,TR RAV- GM1401AT8(J) P-E,TR)	Interchangeable	MCC-1626	Material: Glass Epoxy UL 94 flame	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Print Circuit Board (For model RAV- GM1101AT8(J) P-E,TR RAV- GM1401AT8(J) P-E,TR)	Interchangeable	MCC-1627	Material: Glass Epoxy UL 94 flame	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Pressure Switch	SAGINOMIYA	ACB-4UB83W	OFF:4.15MPa ON:3.2MPa	DIN32733 IEC/EN 12263	TUV
<Alternative>	SAGINOMIYA	ACB-4UB154W	OFF:4.15MPa ON:3.2MPa	DIN32733 IEC/EN 12263	TUV
Bimetal Thermo (For model RAV- GM561AT(J)P- E,TR RAV- GP561AT(J)P- E,TR RAV- GM801AT(J)P- E,TR RAV- GP801AT(J)- E,TR RAV- GM1101AT(J)P- E,TR RAV- GM1101AT8(J) P-E,TR RAV- GM1401AT(J)P- E,TR RAV- GM1401AT8(J) P-E,TR)	WAKO	CS-12AL	DC12V, 200mA ON:90±5 deg OFF:125±4 deg	IEC 60335-2-40 IEC 60335-1	Tested in appliance

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Components for Printed circuit board model: WP-030					
Fuse (F01)	NIPPON SEISEN	GDT	250VAC, 25A	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	SOC	CES15	250VAC, 25A	IEC 60335-2-40 IEC 60335-1	cULus
Fuse (F02)	PICO	SCT	250VAC, 3.15A	IEC 60127-2	VDE
<Alternative>	SOC	ET, TSCR	250VAC, 3.15A	IEC/EN 60127-2	BSI
<Alternative>	NIPPON SEISEN	FJL, FCU	250VAC, 3.15A	IEC/EN 60127-2	SEMKO
Switching Transformer (T101)	TDK	ST-04	Input: AC176- 276V, Output: 18V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Line Filter (L01,L02)	TNC	25A2020	2.0mH, 12A	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Capacitor (C01,C06)	OKAYA	LE105	1µF, AC 310V	IEC/EN 60384-14	SEMKO
<Alternative>	EUROTRONIC	MPX2	1µF, AC 275V	IEC/EN 60384-14	VDE
<Alternative>	KEMET	R46	1µF, AC 275V	IEC/EN 60384-14	VDE
<Alternative>	Nissei Electric	R46(KN)	1µF, AC 275V	IEC/EN 60384-14	cULus
Capacitor (C02, C03, C04,C05,)	MURATA	KH,KY	0.01µF, AC 250V	IEC/EN 60384-14	VDE
Capacitor (CR72)	OKAYA	RE1201	0.01µF, 120ohm	IEC/EN 60384-14	VDE
Capacitor (C07,C08)	NIPPON CHEMICON	CE	760µF, 400V, 500µF, 400V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	NICHICON	LQ	760µF, 400V, 500µF, 400V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Relay (RY01)	SONG CHUAN	891P-1A-C	20A, 12VDC	IEC/EN 61810-1	TUV
<Alternative>	OMRON	G4A-1A-PE	20A, 12VDC	IEC/EN 61810-1	VDE
<Alternative>	SONG CHUAN	891WP-1A-C	20A, 12VDC	IEC/EN 61810-1	TUV
<Alternative>	OMRON	G4A-1A-E	20A, 12VDC	IEC/EN 61810-1	VDE
Relay (RY72)	OMRON	G5NB-1A, G5NB-1A-CA	3A , 250V	IEC/EN 61810-1	VDE

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative>	SHINMEI	RPG-12-001	3A, 250V	IEC/EN 61810-1	TUV
<Alternative>	TYCO	PCJ- 112D3MH	3A, 250V	IEC/EN 61810-1	VDE
<Alternative>	PANASONIC	ALDP112	3A, 250V	IEC/EN 61810-1	VDE
<Alternative>	SONG CHUAN	202N-1AC-C	3A , 250V	IEC/EN 61810-1	VDE
Components for Printed circuit board model: MCC-1645					
Fuse (F01)	NIPPON SEISEN	GDT	250VAC, 25A	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	SOC	CS15 25A	250VAC, 25A	IEC/EN 60127-2	cULus
Fuse (F02,F03)	PICO	SCT	250VAC, 3.15A	IEC/EN 60127-2	SEMKO
<Alternative>	SOC	ET	250VAC, 3.15A	IEC/EN 60127-2	SEMKO
<Alternative>	NIPPON SEISEN	FJL	250VAC, 3.15A	IEC/EN 60127-2	VDE, SEMKO
Switching Transformer (T01)	TDK	SWT-105	7V-17V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Capacitor (C02)	Nissei Electric	R46(KN)	1µF, AC 275V	IEC/EN 60384-14	cULus
<Alternative>	EUROTRONIC	MPX2	1µF, AC 275V	IEC/EN 60384-14	VDE
<Alternative>	KEMET	R46	1µF, AC 275V	IEC/EN 60384-14	VDE
<Alternative>	OKAYA	LE105	1µF, AC 310V	IEC/EN 60384-14	SEMKO
Capacitor (C03, C04, C06,C07,C11,C1 2)	MURATA	KH,KY	4700pF, AC 250V	IEC/EN 60384-14	VDE
Capacitor(C09, C10)	NICHICON	LQ	760uF,400V 500uF, 400V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	NIPPON CHEMICON	CE	760µF, 400V, 500µF, 400V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Relay (RY01)	DEC	DX12D1-0	20A, 12VDC	IEC/EN 61810-1	TUV
<Alternative>	OMRON	G4A-1A-PE	20A, 12VDC	IEC/EN 61810-1	VDE
<Alternative>	SONG CHUAN	891WP-1A-C	20A, 12VDC	IEC/EN 61810-1	TUV
<Alternative>	OMRON	G4A-1A-E	20A, 12VDC	IEC/EN 61810-1	VDE
<Alternative>	SONG CHUAN	891P-1A-C	20A, 12VDC	IEC/EN 61810-1	TUV

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Relay (RY701)	OMRON	G5NB-1A, G5NB-1A-CA	3A, 250V	IEC/EN 61810-1	VDE
<Alternative>	SHINMEI	RPG-12-001	3A, 250V	IEC/EN 61810-1	TUV
<Alternative>	TYCO	PCJ- 112D3MH	3A, 250V	IEC/EN 61810-1	VDE
<Alternative>	PANASONIC	ALDP112	3A, 250V	IEC/EN 61810-1	VDE
<Alternative>	SONG CHUAN	202N-1AC-C	3A , 250V	IEC/EN 61810-1	VDE
Components for Printed circuit board model: MCC-1648					
Fuse (F20)	NIPPON SEISEN	GDT	250VAC, 25A	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	SOC	CS15 25A	250VAC, 25A	IEC/EN 60127-2	cULus
Fuse (F021,F23)	PICO	SCT	250VAC, 3.15A	IEC/EN 60127-2	VDE, SEMKO
<Alternative>	SOC	ET	250VAC, 3.15A	IEC/EN 60127-2	SEMKO
<Alternative>	NIPPON SEISEN	FJL	250VAC, 3.15A	IEC/EN 60127-2	SEMKO
Switching Transformer (T120)	TAM	SWT-91	Class E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Line Filter (L20)	TOK	SC20	1.0mH, 20A	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Line Filter (L21)	TOK	SC30	0.3mH, 30A	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Capacitor (C21)	KEMET	R46	0.33µF, AC 275V	IEC/EN 60384-14	SEMKO
<Alternative>	OKAYA	LE334	0.33µF, AC 310V	IEC/EN 60384-14	SEMKO
Capacitor(C24, C27)	OKAYA	YF223	0.022µF, AC 300V	IEC/EN 60384-14	SEMKO
Capacitor(C28, C29, C30)	NICHICON	LQ	760uF,400V 500uF, 400V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	NIPPON CHEMICON	CE	760µF, 400V, 500µF, 400V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Relay (RY20)	DEC	DX12D1-0	20A, 12VDC	IEC/EN 61810-1	VDE
<Alternative>	OMRON	G4A-1A-PE	20A, 12VDC	IEC/EN 61810-1	VDE
<Alternative>	SONG CHUAN	891WP-1A-C	20A, 12VDC	IEC/EN 61810-1	TUV

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative>	OMRON	G4A-1A-E	20A, 12VDC	IEC/EN 61810-1	VDE
<Alternative>	SONG CHUAN	891P-1A-C	20A, 12VDC	IEC/EN 61810-1	TUV
Relay (RY700)	OMRON	G5NB-1A, G5NB-1A-CA	3A, 250V	IEC/EN 61810-1	VDE
<Alternative>	SHINMEI	RPG-12-001	3A, 250V	IEC/EN 61810-1	TUV
<Alternative>	TYCO	PCJ- 112D3MH	3A, 250V	IEC/EN 61810-1	VDE
<Alternative>	PANASONIC	ALDP112	3A, 250V	IEC/EN 61810-1	VDE
<Alternative>	SONG CHUAN	202N-1AC-C	3A , 250V	IEC/EN 61810-1	VDE
Components for Printed circuit board model: MCC-1626					
Fuse (F-01)	NIPPON SEISEN	FJL,SLT	250VAC, 6.3A	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	SOC	ET,TSCR	250VAC, 6.3A	IEC/EN 60127-2	VDE, SEMKO
Fuse (F-03)	PICO	SCT	250VAC, 3.15A	IEC/EN 60127-2	VDE, SEMKO
<Alternative>	SOC	ET	250VAC, 3.15A	IEC/EN 60127-2	SEMKO
Switching Transformer (T01)	TAB	SWT-113	8V – 17.5V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Line Filter (L01)	UKK	ADR2520	1.25mH, 20A	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Capacitor (C01)	OKAYA	LE684	0.68µF, AC 310V	IEC/EN 60384-14	SEMKO
Capacitor (C02,C03,C05, C06)	MURATA	KH,KY	4700pF, AC 250V	IEC/EN 60384-14	VDE
Capacitor(C10)	NIPPON CHEMICON	CE	760µF, 400V, 500µF, 400V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
<Alternative>	NICHICON	LQ	760uF,400V 500uF, 400V	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Relay (RY02,RYL4, RY700)	OMRON	G5NB-1A, G5NB-1A-CA	3A , 250V	IEC/EN 61810-1	VDE
<Alternative>	SHINMEI	RPG-12-001	3A, 250V	IEC/EN 61810-1	TUV
<Alternative>	TYCO	PCJ- 112D3MH	3A, 250V	IEC/EN 61810-1	VDE
<Alternative>	PANASONIC	ALDP112	3A, 250V	IEC/EN 61810-1	VDE

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative>	SONG CHUAN	202N-1AC-C	3A , 250V	IEC/EN 61810-1	VDE
Relay (RY03)	SONG CHUAN	891WP-1A-C	20A, 12VDC	IEC/EN 61810-1	TUV
<Alternative>	OMRON	G4A-1A-PE	20A, 12VDC	IEC/EN 61810-1	VDE
<Alternative>	OMRON	G4A-1A-E	20A, 12VDC	IEC/EN 61810-1	VDE
<Alternative>	DEC	DX12D1-0	20A, 12VDC	IEC/EN 61810-1	VDE
Components for Printed circuit board model: MCC-1627					
X Capacitor (C04, 05, 06)	OKAYA	LE225	2.2µF, 310VAC	IEC60384-14	ENEC
X Capacitor (C01, 02, 03)	OKAYA	LE105	1.0µF, 310VAC	IEC60384-14	ENEC
<Alternative>	KEMET	R46	1.0µF, 275VAC	IEC60384-14	ENEC
Y Capacitor (C21, 25, 27, 29)	MURATA	KH, KY	0.01µF, 250VAC	IEC 60384-14	VDE
Fuse (F01,02)	DAITO NAGASAWA	GAC1	31.5A, 500VAC	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Fuse (F03,04,05)	HOLLY LAND	50T(P)063HF	6.3A, 250VAC	IEC/EN60127-2	SEMKO
<Alternative>	NIPPON SEISEN	FJL, FSL, SLT	6.3A, 250V AC	IEC/EN 60127-2	SEMKO
<Alternative>	SKYGATE	SG5013 063P- R F	6.3A, 250V AC	IEC/EN 60127-2	SEMKO
<Alternative>	SOC	ET, TSCR	6.3A, 250V AC	IEC/EN 60127-2	BSI
Line Filter (L01)	TNC	TV8A0038SDA	10A, 3.8mH	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Current Trans. (T620,T621)	TOKIN	CT25U-VB- 300T	Bobbin: Phenol Wire: UEW Insulation Class: E	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Power relay (RY01)	DEC	EL12D2-O	12VDC, 20A, 250VAC	IEC 60335-2-40 IEC 60335-1	Tested in appliance
Varistor Line to Line (R01,02,03,04)	WALSIN	561K14D	560V, 0.6W	IEC 61051-1 IEC 61051-2	VDE
<Alternative>	EPCOS	S14K300E2	470V, 0.6W	IEC 61051-1 IEC 61051-2	VDE

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative>	NIPPON CHEMI-CON	TNR10V561K	560V, 0.6W	IEC 61051-1 IEC 61051-2	VDE
Varistor (R05)	NIPPON CHEMI-CON	TNR14V9111K	910V, 0.6W	IEC 61051-1 IEC 61051-2	VDE
Surge Absorber (SG01)	OKAYA	RA-362MX-V7	4.3kV	IEC/EN 60950-1	TUV
Components for Printed circuit board model: MCC-1713					
Printed Circuit Board	Interchangeable	MCC-1713	Glass fiber epoxy resin, V-0,CTI=600	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Fuse F01	NIPPON SEISEN	GDT250V25A-A	25A, 250V	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	SOC	250V(A)TLCR 25A	25A, 250V	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	SOC	CES15 25A	25A, 250V	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Fuse (F02,F03)	SKYGATE	SCT3.15A	T3.15A,AC250V	IEC 60127-3	SEMKO
<Alternative>	NIPPON SEISEN	FJL, FCU	3.15A, 250VAC	IEC/EN 60127-2	SEMKO
<Alternative>	SOC	BET, TSCR	3.15A, 250VAC	IEC/EN 60127-2	SEMKO
<Alternative>	PICO	SCT	3.15A, 250VAC	IEC/EN 60127-2	VDE, SEMKO
<Alternative>	SKYGATE	SG5013 3.15P- RF	3.15A, 250VAC	IEC/EN 60127-2	SEMKO
<Alternative>	HOLLY LAND	50T(P) 032HF	3.15A, 250VAC	IEC/EN 60127-2	SEMKO
X2-Capacitor (C02,C13)	OKAYA	LE105-FX	1µF, 275VAC MAX:110°C	IEC 60384-14	ENEC
<Alternative>	KEMET	R46K	1µF, 275VAC MAX:100 °C	IEC 60384-14	ENEC/IMQ
<Alternative>	OKAYA	LE105-MX	1µF, 275VAC MAX:110 °C	IEC60384-14	ENEC
<Alternative>	XIAMEN	C42Q2105K	1µF, 305VAC MAX:110 °C	IEC 60384-14	ENEC
Y2- Capacitor (C03,C04)	MURATA	DE2E3KY472M	4700pF, AC250V MAX:85 °C	IEC 60384-14	VDE
Y2-Capacitor (C06, C11)	OKAYA	YF103	0.01uF, AC250V MAX:110 °C	IEC 60384-14	VDE

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative> (C06, C07,C11,C12)	MURATA	DE2E3KY472M	4700pF, AC250V MAX:85°C	IEC 60384-14	VDE
Smoothing Capacitor (C09, C10)	Various	Various	DC400V, 500µF MAX:85°C	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	Various	Various	DC400V, 760µF MAX:85°C	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Power Relay (RY01)	DAIICHI	DX12D1	AC250V, 20A	EN 60255-1	VDE
Photo Coupler (IC502)	TOSHIBA	TLP183	BV3750Vrms	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	TOSHIBA	TLP182	BV 3750Vrms	IEC60747-5-5	VDE
<Alternative>	TOSHIBA	TLP184	BV 3750Vrms	IEC60747-5-5	VDE
<Alternative>	TOSHIBA	TLP185	BV3750Vrms	EN60747-5-5	VDE
<Alternative>	EVERLIGHT	EL357N	BV 3750 Vrms	EN60747-5-5	VDE
Photo Coupler (IC102)	TOSHIBA	TLP185	BV 3750Vrms	IEC60747-5-5	VDE
<Alternative>	TOSHIBA	TLP183	BV 3750Vrms	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	EVERLIGHT	EL357N	BV 3750 Vrms	EN60747-5-5	VDE
Photo Coupler (IC401)	TOSHIBA	TLP155	BV 3750 Vrms	IEC60747-5-5	VDE
Line Filter (L01,L03)	UENO	ADR25H- 20010TB	AC250V, 20A,1.25mH PBT V-0 Insulation class : E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Switching Transformer (T01)	TDK	SWT-105	Bobbin: Phenol, V-0, Windings:UEW Insulation Class: E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Current Trans (T02)	NISHIMURA	S19-UZ00TV	Insulation Class E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	NISHIMURA	S19-T497TV	Insulation Class E	IEC 60335-1 IEC 60335-2-40	Tested in appliance

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Varistor (R01, R02, R11,R12)	TDK	S14K350E2	560V, 0.6W	IEC 61051-1, IEC 61051-2	VDE
<Alternative>	NIPPON CHEMI-CON	TNR14V561K	560V, 0.6W	CECC42000, 42200, 42201	VDE
<Alternative>	WALSIN	SR561K14D	560V, 0.6W	IEC 61051-1, IEC 61051-2	VDE
Varistor (R420)	TDK	S14K550E2	910V, 0.6W	IEC 61051-1, IEC 61051-2	VDE
Surge-Absorber (SG01)	OKAYA	RA-362MX	3.6kV	EN60065 EN60950-1	TUV
<Alternative>	mitsubishi	DA38-362MT	3.6kV	IEC/EN 132400	TUV
<Alternative>	mitsubishi	FA55-362	3.6kV	EN60065 EN60950-1	TUV
<Alternative>	OKAYA	RA-362M-V7-Y	3.6kV	IEC60384-14	TUV
<Alternative>	mitsubishi	DA38-302MT	3.0kV	EN132400	TUV
<Alternative>	mitsubishi	FA55-302	3.0kV	EN60065 EN60950-1	TUV
Relay (RY701, RY705)	PANASONIC	ALDP112	12VDC, 5A, 250VA	IEC/EN 61810-1	VDE
<Alternative>	OMRON	G5NB-1A	3.0A, 250AC Insulation Class: E	IEC 61810-1	VDE
<Alternative>	SHINMEI	RPG-12-001	12VDC, 3A, 250VAC	IEC/EN 61810-1	TUV
<Alternative>	TYCO	PCJ- 112D3MH	12VDC, 3A, 250VAC	IEC/EN 61810-1	VDE
<Alternative>	DAIICHI	EN12D1- O(M)- SL	AC277V, 3A, Insulation class: E	IEC 61810-1	TUV
<Alternative>	SONG CHUAN	202N-1AC-CE	AC277V, 3A, Insulation class: E	IEC 61810-1	VDE
Relay, RY702	OMRON	G5V-2	DC12V AC125V, 2A	IEC 60335-1 IEC 60335-2-40	Tested in appliance

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Connector for Fan motor, CN300	TYCO	179846-	Nylon 66, V-0	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Connector for 4way valve, CN703	TYCO	3-176976-6	Nylon 66, V-0	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Fuse for indoor unit	SOC	ET6.3A	6.3A, 250VAC	IEC/EN 60127-2	SEMKO
Model: TCB-PCOS1E2 *					
<Parts on PCB MCC-1522>					
Printed Circuit Board	CMK Corp.	MCC-1522	Glass fiber epoxy resin V-0	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Fuse F100, F101	SOC Corp.	ET3.15A	T3.15A, AC250V	BS EN 60127-2	BSI
Relay RY200, 201,202	OMRON Corp.	G5NB	AC250V-3A Insulation class : E	EN61810-1	VDE
<Alternative>	PANASONIC	ALDP	12VDC, 5A,250VAC	IEC/EN 61810-1	VDE,
<Alternative>	SHINMEI	RPG-12	12VDC, 3A,250VAC	IEC/EN 61810-1	TUV
<Alternative>	TYCO	PCJ- 112D3MH	12VDC, 3A,250VAC	IEC/EN 61810-1	VDE
<Alternative>	Daiichi Electric Co., Ltd.	EN1U	AC277V, 3A, Insulation class: E	IEC 61810-1	TUV
<Alternative>	Song Chuan Precision	202	AC277V, 3A, Insulation class: E	IEC 61810-1	VDE
Photo Coupler IC300,301,302	Toshiba Corp.	TLP785	BV 5000 Vrms	EN 60747-5-5	VDE
Connector for AC Power connector CN100	JST Mfg. Co., Ltd.	B2P3-VH-B-R	PBT with glass V-0	DIN VDE 0627/06.86	TUV
Connector for Transformer CN101	JST Mfg. Co., Ltd.	B2P3-VH-B-Y	PBT with glass V-0	DIN VDE 0627/06.86	TUV

IEC 60335-2-40					
Clause	Requirement + Test			Result - Remark	Verdict
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Connector for Compressor operation output CN201	JST Mfg. Co., Ltd.	B2P3-VH-B-E	PBT with glass V-0	DIN VDE 0627/06.86	TUV
<Other Parts>					
Transformer	Tamura Corporation	TT-02	Insulation class: A	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Thermal Fuse in Transformer	Anzen Dengu Co., Ltd.	VS14	150°C,250V,1A	VDE 0821	VDE
<Alternative>	Anzen Dengu Co., Ltd.	T7F	145°C,250V,1A	VDE 0821	VDE
Connector of Transformer	JST Mfg. Co., Ltd.	VHR-3N-Y	Nylon 6, V-0	DIN VDE 0627/06.86	TUV
Connector for AC Inlet	JST Mfg. Co., Ltd.	VHR-3N-R	Nylon 6, V-0	DIN VDE 0627/06.86	TUV
Connector of Running Indicator	JST Mfg. Co., Ltd.	VHR-3N-H	Nylon 6, V-0	DIN VDE 0627/06.86	TUV
Line Filter	NEC Tokin Corp.	SS11V	AC250V, 0.8A, 12.5mH, PBT, V-0, Insulation class: E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
X2-Capacitor	Okaya Electric Industries Co., Ltd.	LE225-FX	2.2µF, 310VAC MAX: 110°C	IEC 60384-14	ENEC
Components for Printed circuit board model: MCC-1705					
Printed Circuit Board	Interchangeable	MCC-1705	Glass fiber epoxy resin,V-0,CTI=600	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Fuse F01	NIPPON SEISON	GDT250V25A -A	25A, 250V	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	SOC	250V(A)TLCR 25A	25A, 250V	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	SOC	CES15 25A	25A, 250V	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Fuse F03	HOLLY LAND	50T100H	T10A,AC250V	IEC 60127-2	SEMKO

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative>	NIPPON SEISON	FSL250V10A	T10A,AC250V	IEC 60127-2	SEMKO
<Alternative>	SKYGATE	SG5013 010- R	T10A,AC250V	IEC 60127-2	SEMKO
Fuse F02,F20, F21,F22	SKYGATE	SCT3.15A	T3.15A,AC250V	IEC 60127-3	SEMKO
<Alternative>	NIPPON SEISEN	FJL, FCU	3.15A, 250VAC	IEC/EN 60127-2	SEMKO
<Alternative>	SOC	BET, TSCR	3.15A, 250VAC	IEC/EN 60127-2	SEMKO
<Alternative>	PICO	SCT	3.15A, 250VAC	IEC/EN 60127-2	VDE, SEMKO
<Alternative>	SKYGATE	SG5013 3.15P- RF	3.15A, 250VAC	IEC/EN 60127-2	SEMKO
<Alternative>	HOLLY LAND	50T(P) 032HF	3.15A, 250VAC	IEC/EN 60127-2	SEMKO
X2-Capacitor C01,C02	OKAYA	LE225-FX	2.2µF, 310VAC MAX:110°C	IEC 60384-14	ENEC
<Alternative>	XIAMEN FARATRONIC	C42Q2225K	2.2µF, 305VAC MAX:110 °C	IEC 60384-14	ENEC
<Alternative>	OKAYA	LE225-MX	2.2µF, 310VAC MAX:110 °C	IEC 60384-14	ENEC
X2-Capacitor C07	OKAYA	LE105-FX	1µF, 275VAC MAX:110 °C	IEC 60384-14	ENEC
<Alternative>	KEMET	R46K	1µF, 275VAC MAX:100 °C	IEC 60384-14	ENEC/IMQ
<Alternative>	OKAYA	LE105-MX	1µF, 275VAC MAX:110 °C	IEC60384-14	ENEC
<Alternative>	XIAMEN FARATRONIC	C42Q2105K	1µF, 305VAC MAX:110 °C	IEC 60384-14	ENEC
Y2-Capacitor, C03, C03,C05 C08, C10	OKAYA	YF103	0.01uF, AC250V MAX:110 °C	IEC 60384-14	VDE
<Alternative> C03, C04,C05, C06, C08,C09, C10,C11	MURATA	DE2F3KY103M	4700pF, AC250V MAX:85 °C	IEC 60384-14	VDE

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Smoothing Capacitor, C20, C21, C22	Various	Various	DC400V, 500µF MAX:85 °C	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	Various	Various	DC400V, 760µF MAX:85 °C	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Y2- Capacitor, C500	MURATA	DE2E3KY222M	2200pF, AC250V MAX:85 °C	IEC 60384-14	VDE
Power Relay, RY10	DAIICHI	DX12D1	AC250V, 20A	EN 60255-1	VDE
Photo Coupler, IC550	TOSHIBA	TLP183	BV3750Vrms	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	TOSHIBA	TLP182	BV 3750Vrms	IEC60747-5-5	VDE
<Alternative>	TOSHIBA	TLP184	BV 3750Vrms	IEC60747-5-5	VDE
<Alternative>	TOSHIBA	TLP185	BV3750Vrms	EN60747-5-5	VDE
<Alternative>	EVERLIGHT	EL357N	BV 3750 Vrms	EN60747-5-5	VDE
Photo Coupler IC101,IC500	TOSHIBA	TLP185	BV 3750Vrms	IEC60747-5-5	VDE
<Alternative>	TOSHIBA	TLP183	BV 3750Vrms	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	EVERLIGHT	EL357N	BV 3750 Vrms	EN60747-5-5	VDE
Photo Coupler, IC40	TOSHIBA	TLP351	BV 3750 Vrms	IEC60747-5-5	VDE
Photo Thyristor, IC501	TOSHIBA	TLP748J	BV 4000 Vrms	IEC60747-5-5	VDE
<Alternative>	TOSHIBA	TLP548J	BV 2500Vrms	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Line Filter L01	NEC	SC-30-S03J	AC250V-30A, 0.3mH, PBT, V-0, Insulation Class: E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Line Filter L02	NEC	SC-20-E18J	AC250V-20A, 1.8mH, PBT, V-0, Insulation Class: E	IEC 60335-1 IEC 60335-2-40	Tested in appliance

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Switching Transformer, T100	TABUCHI	SWT-108	Bobbin: Phenol, V-0, Windings: UEW Insulation Class: E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Current Trans, T10	NISHIMURA	S19-L390CT- 1	Insulation Class E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
<Alternative>	NISHIMURA	S19-T497TV	Insulation Class E	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Varistor R01, R02, R20, R22, R23, R24	TDK	S14K350E2	560V, 0.6W	IEC 61051-1, IEC 61051-2	VDE
<Alternative>	NIPPON	TNR14V561K	560V, 0.6W	CECC42000, 42200, 42201	VDE
<Alternative>	WALSIN	SR561K14D	560V, 0.6W	IEC 61051-1, IEC 61051-2	VDE
Varistor R40	TDK	S14K550E2	910V, 0.6W	IEC 61051-1, IEC 61051-2	VDE
Surge-Absorber, SG01	OKAYA	RA-362MX	3.6kV	EN60065 EN60950-1	TUV
<Alternative>	mitsubishi	DA38-362MT	3.6kV	IEC/EN 132400	TUV
<Alternative>	mitsubishi	FA55-362	3.6kV	EN60065 EN60950-1	TUV
<Alternative>	OKAYA	RA-362M-V7-Y	3.6kV	IEC60384-14	TUV
<Alternative>	mitsubishi	FA55-302	3.0kV	EN 60065 EN60950-1	TUV
<Alternative>	mitsubishi	DA38-302MT	3.0kV	EN132400	TUV
Relay RY702, RY703	PANASONIC	ALDP112	12VDC, 5A, 250VAC	IEC/EN 61810-1	VDE, CQC
<Alternative>	OMRON	G5NB-1A	3.0A, 250AC Insulation Class E	IEC 61810-1	VDE
<Alternative>	SHINMEI	RPG-12-001	12VDC, 3A, 250VAC	IEC/EN 61810-1	TUV
<Alternative>	TYCO	PCJ- 112D3MH	12VDC, 3A, 250VAC	IEC/EN 61810-1	VDE

IEC 60335-2-40					
Clause	Requirement + Test			Result - Remark	Verdict
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
<Alternative>	DAIICHI	EN12D1-O(M)- SL	AC277V, 3A, Insulation class: E	IEC 61810-1	TUV
<Alternative>	SONG SHUAN	202N-1AC-C E	AC277V, 3A, Insulation class: E	IEC 61810-1	VDE
Relay, RY701, RY704	PANASONIC	AJQ1341	AC250V,1A	IEC 61810-1	VDE
<Alternative>	PANASONIC	JQ1-12-F	AC250V,1A	IEC 61810-1	VDE
<Alternative>	OMRON	G5SB-14	AC250V, 3A	IEC 61810-1	VDE
Connector for Fan motor, CN300	TYCO	179846-1	Nylon 66, V-0	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Connector for 4way valve, CN701	TYCO	9-176975-1	Nylon 66, V-0	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Connector 2way valve CN702	JST	B2(7.92)B- VUSS-1	PBT with glass V-0	IEC 61984	TUV
Connector of 4way valve	TYCO	176271-1	Nylon 66, V-0	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Connector of 2way valve	JST	VURP-03V	PBT with glass V-0	IEC 61984	TUV
Connector of Fan motor	TYCO	179938-1	66Nylon, V-0	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Panel/ Enclosure	TOYO STYRENE CO., LTD.	HIPS	H485	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Fan Guard	Beishin Industrial Co., Ltd.	PP-K	--	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Supplementary tube	Interchangeable	Interchangeable	VW-1	IEC 60335-1 IEC 60335-2-40	Tested in appliance
Supplementary information: N/A					

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Clause	Requirement + Test	Result - Remark	Verdict

28.1	TABLE: Threaded part torque test			P
Threaded part identification	Diameter of thread (mm)	Column number (I, II, or III)	Applied torque (Nm)	
Screws for fixing cover of terminal box	3.9	II	1.2	
Screws for cord anchorage	3.9	II	1.2	
Screws for connection at terminal blocks (indoor unit)	3.9	II	1.2	
Screws for interconnecting terminal	3.9	II	1.2	
Screw for earthing connection (Outdoor unit)	3.9	II	1.2	
Supplementary information: N/A				

29.1	TABLE: Clearances					P
	Overvoltage category : II				—	
		Type of insulation:				
Rated impulse voltage (V):	Min. cl (mm)	Basic (mm)	Supplementary (mm)	Reinforced (mm)	Functional (mm)	Verdict / Remark
330	0,2* / 0,5 / 0,8**	--	--	--	--	N/A
500	0,2* / 0,5 / 0,8**	--	--	--	--	N/A
800	0,2* / 0,5 / 0,8**	--	--	--	--	N/A
1 500	0,5 / 0,8** / 1,0***	--	--	--	--	N/A
2 500	1,5 / 2,0***	7.0	>10	--	3.9	P
4 000	3,0 / 3,5***	--	--	>10	--	P
6 000	5,5 / 6,0***	--	--	--	--	N/A
8 000	8,0 / 8,5***	--	--	--	--	N/A
10 000	11,0 / 11,5***	--	--	--	--	N/A

Supplementary information:

Basic: Distance between compressor terminals and its housing. (Outdoor unit)

Functional: Distance between L and N on PCB on indoor unit

Supplementary: Distance between internal wire and accessible on indoor unit.

Reinforce: Distance between live parts and accessible parts.

*) For tracks on printed circuit boards if pollution degree 1 and 2

**) For pollution degree 3

***) If the construction is affected by wear, distortion, movement of the parts or during assembly

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Clause	Requirement + Test	Result - Remark	Verdict

29.2	TABLE: Creepage distances, basic, supplementary and reinforced insulation										P
Working voltage (V)	Creepage distance (mm) Pollution degree							Type of insulation			Verdict
	1	2			3						
		Material group			Material group						
		I	II	IIIa/IIIb	I	II	IIIa/IIIb*	B**	S**	R**	
≤50	0,18	0,6	0,85	1,2	1,5	1,7	1,9		—	—	N/A
≤50	0,18	0,6	0,85	1,2	1,5	1,7	1,9	—		—	N/A
≤50	0,36	1,2	1,7	2,4	3,0	3,4	3,8	—	—		N/A
125	0,28	0,75	1,05	1,5	1,9	2,1	2,4		—	—	N/A
125	0,28	0,75	1,05	1,5	1,9	2,1	2,4	—		—	N/A
125	0,56	1,5	2,1	3,0	3,8	4,2	4,8	—	—		N/A
250	0,56	1,25	1,8	2,5	3,2	3,6	4,0	3,9	—	—	P
250	0,56	1,25	1,8	2,5	3,2	3,6	4,0	—	>10	—	P
250	1,12	2,5	3,6	5,0	6,4	7,2	8,0	—	—	>10	P
B; Basic: Distance between compressor terminals and its housing. (Outdoor unit) S; Supplementary: Between internal wire at supply connecting terminals and accessible. (Indoor unit) R; Reinforced: Distance between live parts and accessible parts. (Indoor unit)											
400	1,0	2,0	2,8	4,0	5,0	5,6	6,3		—	—	N/A
400	1,0	2,0	2,8	4,0	5,0	5,6	6,3	—		—	N/A
400	2,0	4,0	5,6	8,0	10,0	11,2	12,6	—	—		N/A
500	1,3	2,5	3,6	5,0	6,3	7,1	8,0		—	—	N/A
500	1,3	2,5	3,6	5,0	6,3	7,1	8,0	—		—	N/A
500	2,6	5,0	7,2	10,0	12,6	14,2	16,0	—	—		N/A
>630 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0		—	—	N/A
>630 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	—		—	N/A
>630 and ≤800	3,6	6,4	9,0	12,6	16,0	18,0	20,0	—	—		N/A
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5		—	—	N/A
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	—		—	N/A
>800 and ≤1000	4,8	8,0	11,2	16,0	20,0	22,0	25,0	—	—		N/A
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0		—	—	N/A
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	—		—	N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

29.2	TABLE: Creepage distances, basic, supplementary and reinforced insulation										P
Working voltage (V)	Creepage distance (mm) Pollution degree							Type of insulation			Verdict
	1	2			3						
		Material group			Material group						
		I	II	IIIa/IIIb	I	II	IIIa/IIIb*	B**	S**	R**	
>1000 and ≤1250	6,4	10,0	14,2	20,0	25,0	28,0	32,0	—	—		N/A
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0		—	—	N/A
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	—		—	N/A
>1250 and ≤1600	8,4	12,6	18,0	25,0	32,0	36,0	40,0	—	—		N/A
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0		—	—	N/A
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	—		—	N/A
>1600 and ≤2000	11,2	16,0	22,0	32,0	40,0	44,0	50,0	—	—		N/A
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0		—	—	N/A
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0	—		—	N/A
>2000 and ≤2500	15,0	20,0	28,0	40,0	50,0	56,0	64,0	—	—		N/A
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0		—	—	N/A
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	—		—	N/A
>2500 and ≤3200	20,0	25,0	36,0	50,0	64,0	72,0	80,0	—	—		N/A
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0		—	—	N/A
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0	—		—	N/A
>3200 and ≤4000	25,0	32,0	44,0	64,0	80,0	90,0	100,0	—	—		N/A
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0		—	—	N/A
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	—		—	N/A
>4000 and ≤5000	32,0	40,0	56,0	80,0	100,0	112,0	126,0	—	—		N/A
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0		—	—	N/A
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0	—		—	N/A
>5000 and ≤6300	40,0	50,0	72,0	100,0	126,0	142,0	160,0	—	—		N/A
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0		—	—	N/A
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0	—		—	N/A
>6300 and ≤8000	50,0	64,0	90,0	126,0	160,0	180,0	200,0	—	—		N/A
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0		—	—	N/A

IEC 60335-2-40			
Clause	Requirement + Test	Result - Remark	Verdict

29.2	TABLE: Creepage distances, basic, supplementary and reinforced insulation										P
Working voltage (V)	Creepage distance (mm) Pollution degree							Type of insulation			Verdict
	1	2			3						
		Material group			Material group						
		I	II	IIIa/IIIb	I	II	IIIa/IIIb*	B**	S**	R**	
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0	—	—	—	N/A
>8000 and ≤10000	64,0	80,0	112,0	160,0	200,0	220,0	250,0	—	—	—	N/A
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0	—	—	—	N/A
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0	—	—	—	N/A
>10000 and ≤12500	80,0	100,0	142,0	200,0	250,0	280,0	320,0	—	—	—	N/A

Supplementary information:
 *) Material group IIIb is allowed if the working voltage does not exceed 50 V
 **) B = Basic insulation, S = Supplementary insulation, R = Reinforced insulation

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Clause	Requirement + Test	Result - Remark	Verdict

29.2	TABLE: Creepage distances, functional insulation							P
Working voltage (V)	Creepage distance (mm) Pollution degree							Verdict / Remark
	1	2			3			
		Material group			Material group			
		I	II	IIIa/IIIb	I	II	IIIa/IIIb*	
≤10	0,08	0,4	0,4	0,4	1,0	1,0	1,0	N/A
50	0,16	0,56	0,8	1,1	1,4	1,6	1,8	N/A
125	0,25	0,71	1,0	1,4	1,8	2,0	2,2	N/A
250	0,42	1,0	1,4	2,0	2,5	2,8	3,1	P / Between L and N on PCB (indoor unit) = 3.9mm
400	0,75	1,6	2,2	3,2	4,0	4,5	5,0	N/A
500	1,0	2,0	2,8	4,0	5,0	5,6	6,3	N/A
>630 and ≤800	1,8	3,2	4,5	6,3	8,0	9,0	10,0	N/A
>800 and ≤1000	2,4	4,0	5,6	8,0	10,0	11,0	12,5	N/A
>1000 and ≤1250	3,2	5,0	7,1	10,0	12,5	14,0	16,0	N/A
>1250 and ≤1600	4,2	6,3	9,0	12,5	16,0	18,0	20,0	N/A
>1600 and ≤2000	5,6	8,0	11,0	16,0	20,0	22,0	25,0	N/A
>2000 and ≤2500	7,5	10,0	14,0	20,0	25,0	28,0	32,0	N/A
>2500 and ≤3200	10,0	12,5	18,0	25,0	32,0	36,0	40,0	N/A
>3200 and ≤4000	12,5	16,0	22,0	32,0	40,0	45,0	50,0	N/A
>4000 and ≤5000	16,0	20,0	28,0	40,0	50,0	56,0	63,0	N/A
>5000 and ≤6300	20,0	25,0	36,0	50,0	63,0	71,0	80,0	N/A
>6300 and ≤8000	25,0	32,0	45,0	63,0	80,0	90,0	100,0	N/A
>8000 and ≤10000	32,0	40,0	56,0	80,0	100,0	110,0	125,0	N/A
>10000 and ≤12500	40,0	50,0	71,0	100,0	125,0	140,0	160,0	N/A

Supplementary information:
*) Material group IIIb is allowed if the working voltage does not exceed 50 V

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Clause	Requirement + Test	Result - Remark	Verdict

30.1	TABLE: Ball Pressure Test of Thermoplastics			P
Allowed impression diameter (mm)		2.0	—	
Object/ Part No./ Material	Manufacturer/ trademark	Test temperature (°C)	Impression diameter (mm)	
Indoor unit:				
Front cover / Panel/ Enclosure	See table 24.1	75	<2.0	
Terminal Block	See table 24.1	125	<2.0	
Transformer	See table 24.1	125	<2.0	
Connector	See table 24.1	125	<2.0	
Line filter	See table 24.1	125	<2.0	
Outdoor unit				
Fan guard	See table 24.1	75	<2.0	
Terminal Block	See table 24.1	125	<2.0	
Connector	See table 24.1	125	<2.0	
Transformer	See table 24.1	125	<2.0	
Relay	See table 24.1	125	<2.0	
Line filter	See table 24.1	125	<2.0	
Coil body of 4-way	See table 24.1	125	<2.0	
Coil body of PMV	See table 24.1	125	<2.0	
Supplementary information: N/A				

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Clause	Requirement + Test	Result - Remark	Verdict

30.2	TABLE: Resistance to heat and fire - Glow wire tests							P
Object/ Part No./ Material	Manufacturer / trademark	Glow wire test (GWT); (°C)						Verdict
		550	650		750		850	
			te	ti	te	ti		
Front cover / Panel/ Enclosure	See table 24.1	X	--	--	--	--	--	P
Fan guard	See table 24.1	X	--	--	--	--	--	P
Plastic cover compressor	See table 24.1	X	--	--	--	--	--	P
Terminal (Indoor unit)	See table 24.1	--	--	--	0	0	X	P
Terminal (outdoor unit)	See table 24.1	--	--	--	0	0	X	P
Connector (Indoor unit)	See table 24.1	--	--	--	0	0	X	P
Connector (Outdoor unit)	See table 24.1	--	--	--	0	0	X	P
Transformer (Indoor unit)	See table 24.1	--	--	--	0	0	X	P
Transformer (Outdoor unit)	See table 24.1	--	--	--	0	0	X	P
Relay (Outdoor unit)	See table 24.1	--	--	--	1	17	X	P
Coil body of 4-way	See table 24.1	--	--	--	0	0	X	P
Coil body of PMV	See table 24.1	--	--	--	0	0	X	P
Line filter (Indoor unit)	See table 24.1	--	--	--	0	0	X	P
Line filter (Outdoor unit)	See table 24.1	--	--	--	0	0	X	P
Bimetal Thermo	See table 24.1	--	--	--	0	0	X	P

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Clause	Requirement + Test	Result - Remark	Verdict

Object/ Part No./ Material	Manufacturer / trademark	Glow-wire flammability index (GWFI), °C				GW ignition temp. (GWIT), °C		Verdict
		550	650	750	850	675	775	
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
The test specimen passed the glow wire test (GWT) with no ignition [(te – ti) ≤ 2s] (Yes/No)								No
If no, then surrounding parts passed the needle-flame test of annex E (Yes/No)..... :								Yes
The test specimen passed the test by virtue of most of the flaming material being withdrawn with the glow-wire (Yes/No)?								Yes
Ignition of the specified layer placed underneath the test specimen (Yes/No)								No
Supplementary information: - 550 °C GWT not relevant (or applicable) to parts of material classified at least HB40 or if relevant HBF - The GWIT pre-selection option, the 850 °C GWFI pre-selection option, and the 850 °C GWT are not relevant (or applicable) for attended appliances								

30.2/30.2.4	TABLE: Needle- flame test (NFT)					N/A
Object/ Part No./ Material	Manufacturer/ trademark	Duration of application of test flame (ta); (s)	Ignition of specified layer Yes/No	Duration of burning (tb) (s)	Verdict	
Supplementary information: - NFT not relevant (or applicable) for Parts of material classified as V-0 or V-1 - NFT not relevant (or applicable) for Base material of PCBs classified as V-0 or if relevant VTM-0						

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Attachment 1 : Photographic documentation



1. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, front view



2. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, back view

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Attachment 1 : Photographic documentation



3. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, top view



4. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, bottom view

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Attachment 1 : Photographic documentation



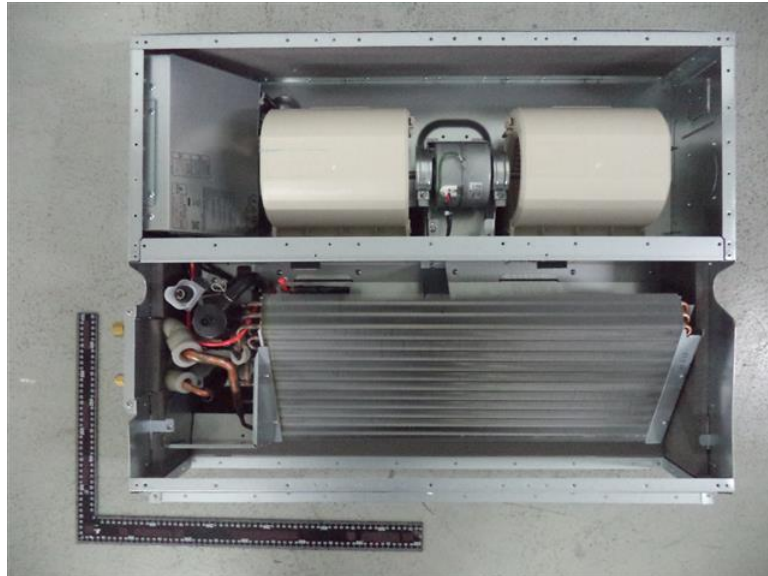
5. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, Right view



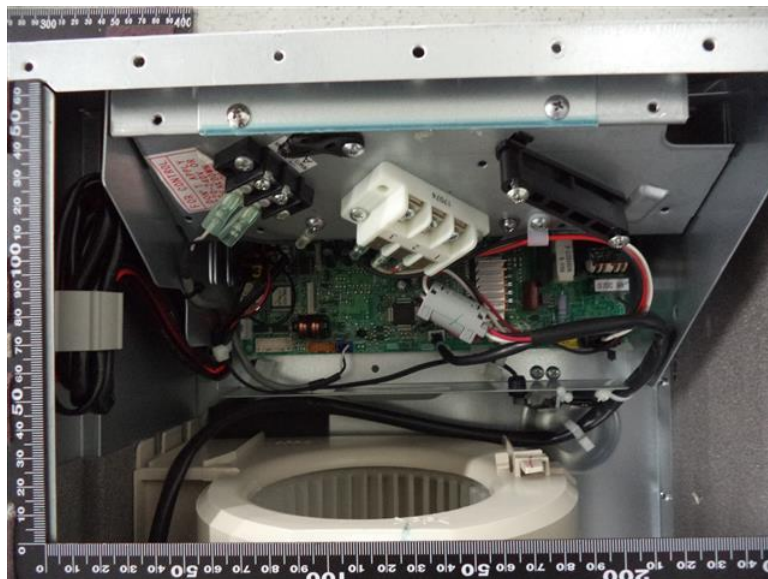
6. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, Left view

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Attachment 1 : Photographic documentation



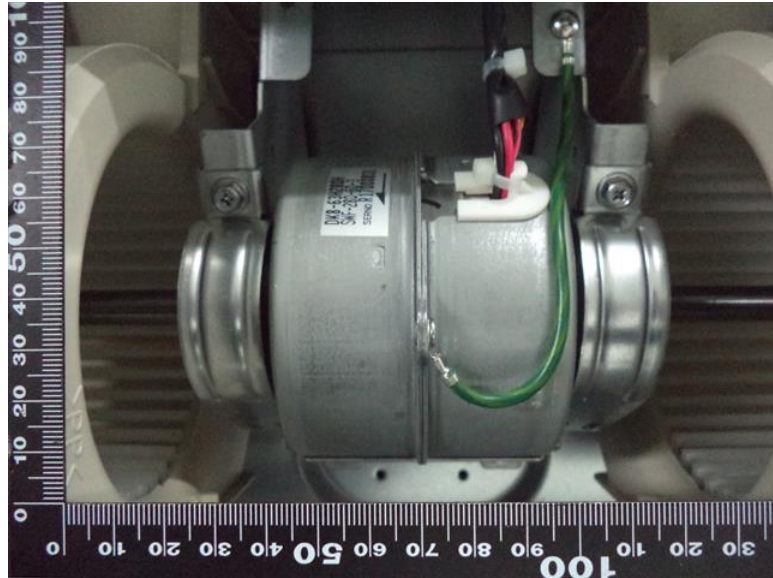
7. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, internal construction removed cover



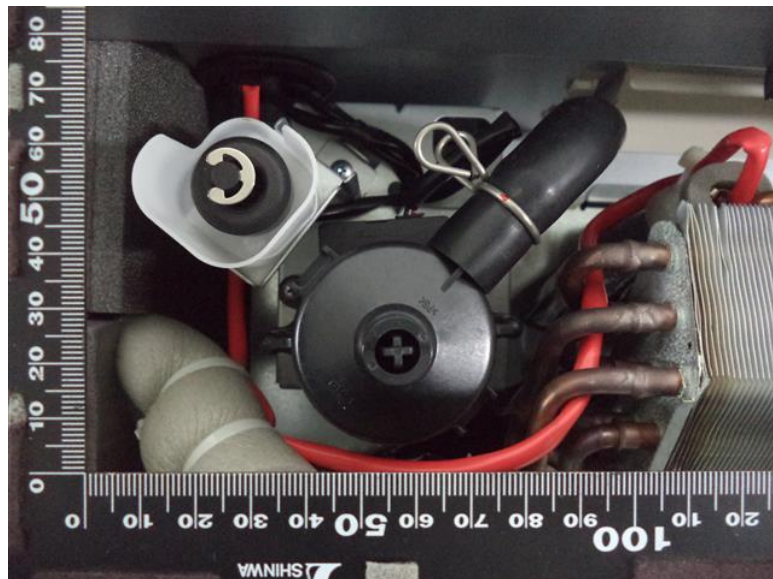
8. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, internal view removed cover

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Attachment 1 : Photographic documentation



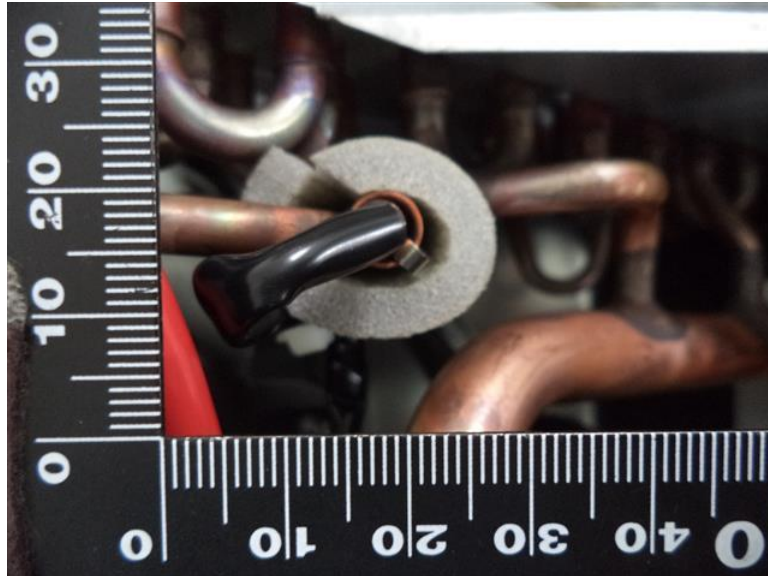
9. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, fan motor



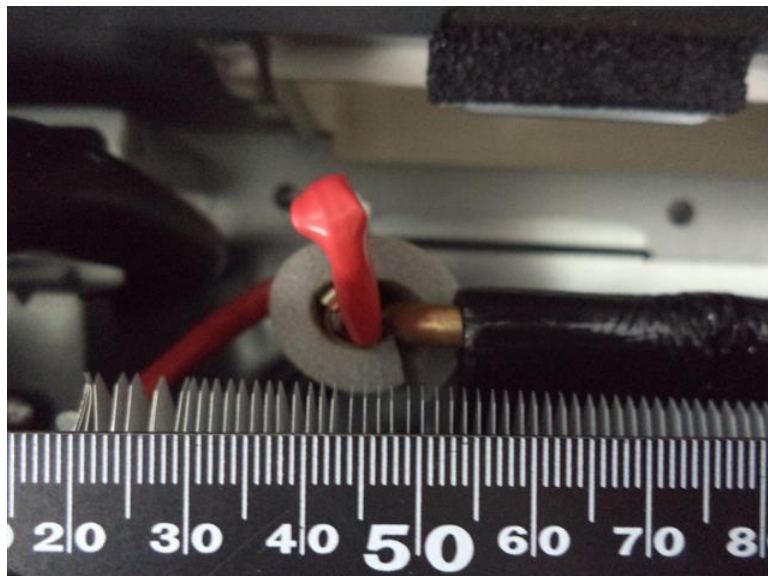
10. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, drain pump motor and water level sensor

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Attachment 1 : Photographic documentation



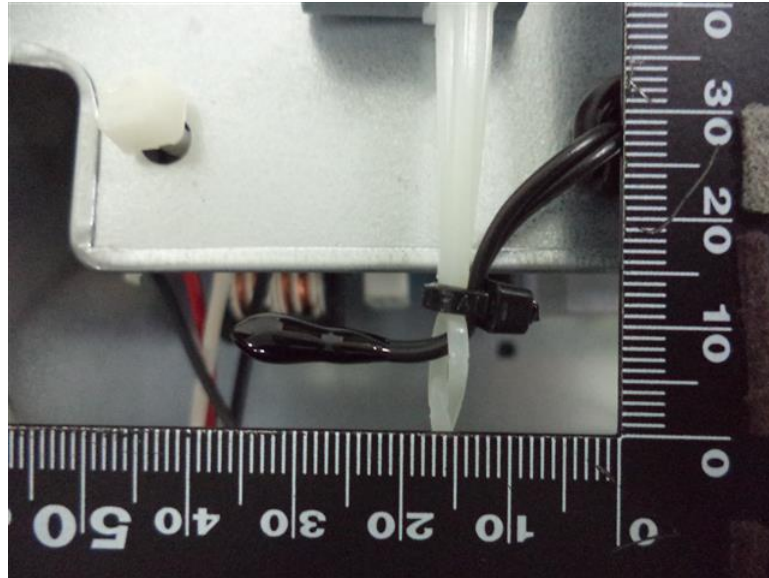
11. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, coil sensor



12. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, coil sensor

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Attachment 1 : Photographic documentation



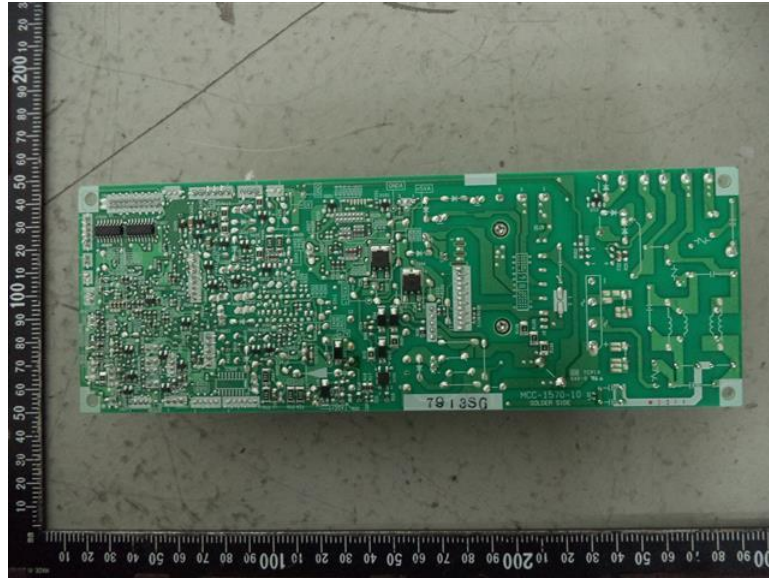
13. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, room sensor



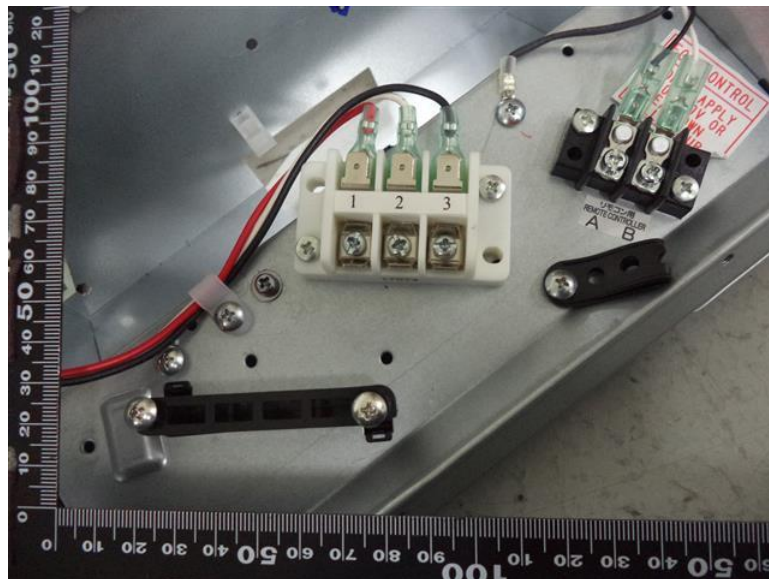
14. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, PCB component side

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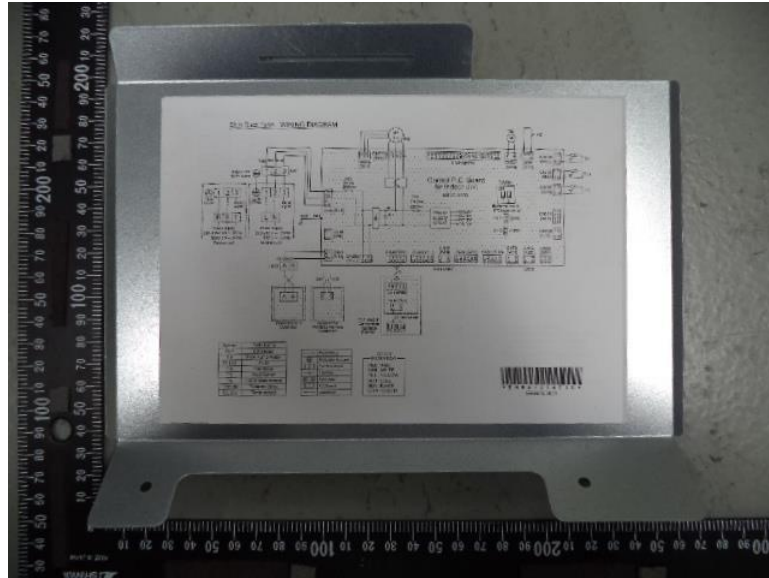
15. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, PCB trace side



16. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, terminal for supply connection (1,2,3,earth), terminal for remote connection (A,B), chord anchorage

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17. RAV-RM301SDT-E, RAV-RM301SDT-TR, RAV-RM401SDT-E, RAV-RM401SDT-TR, RAV-RM561SDT-E, RAV-RM561SDT-TR, wiring diagram



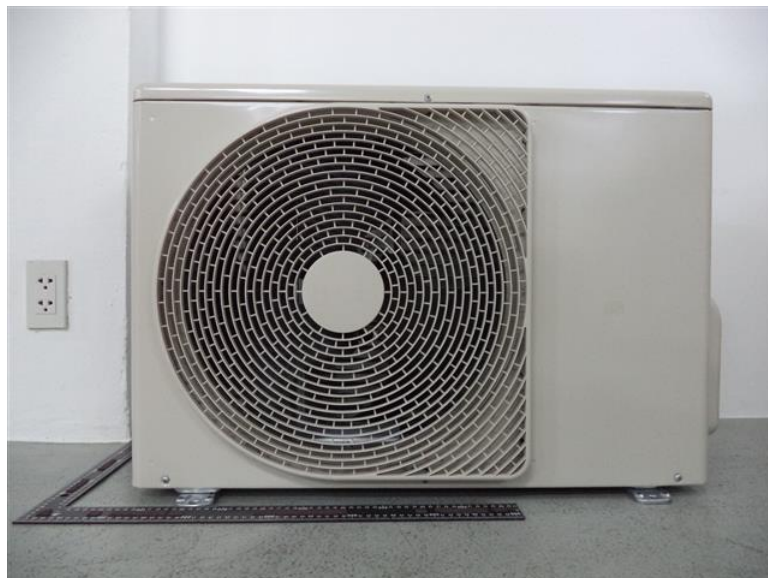
18. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Isometric front view

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19. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Isometric rear view



20. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Front view

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21. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Rear view



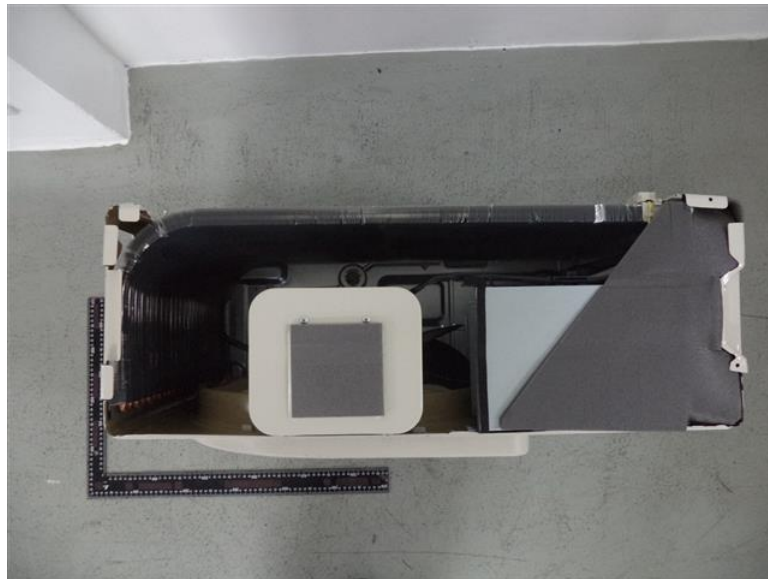
22. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Right side view

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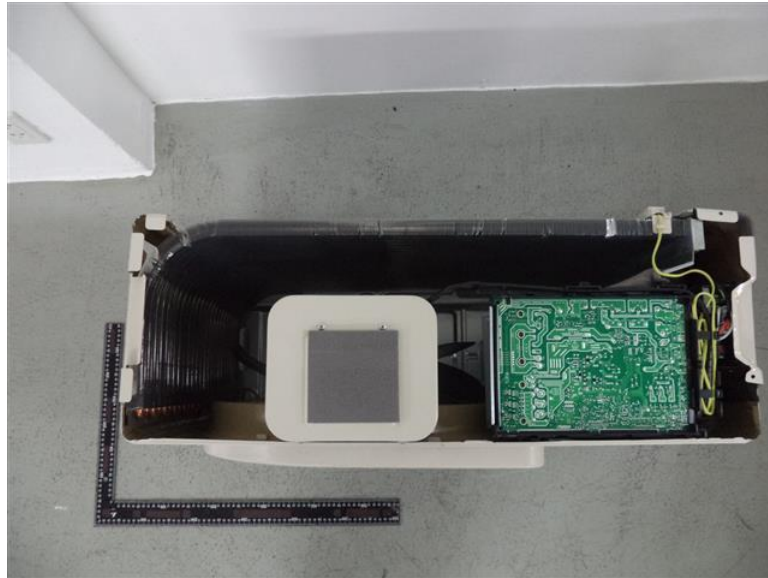
23. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Left side view



24. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Top view removed top cover

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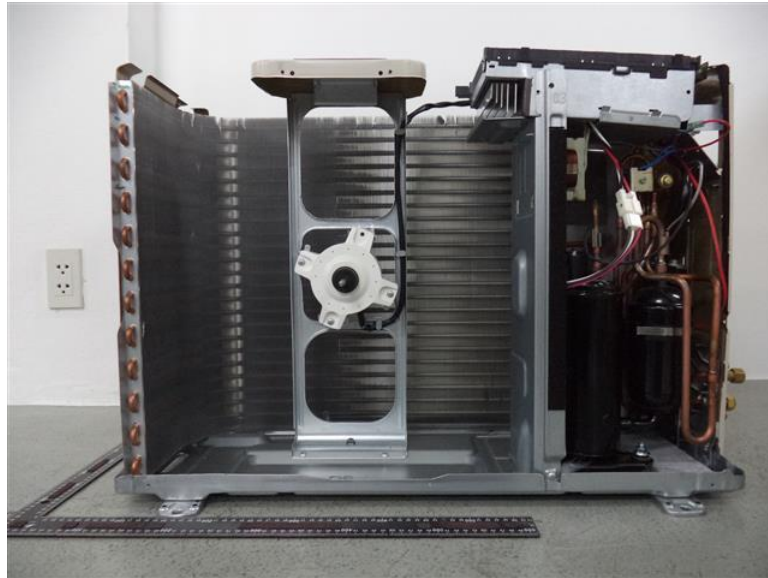
25. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Internal construction



26. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Internal view removed front cover

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27. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Internal view removed fan blade



28. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Main supply terminal and Terminal block for interconnecting cable and cord anchorage

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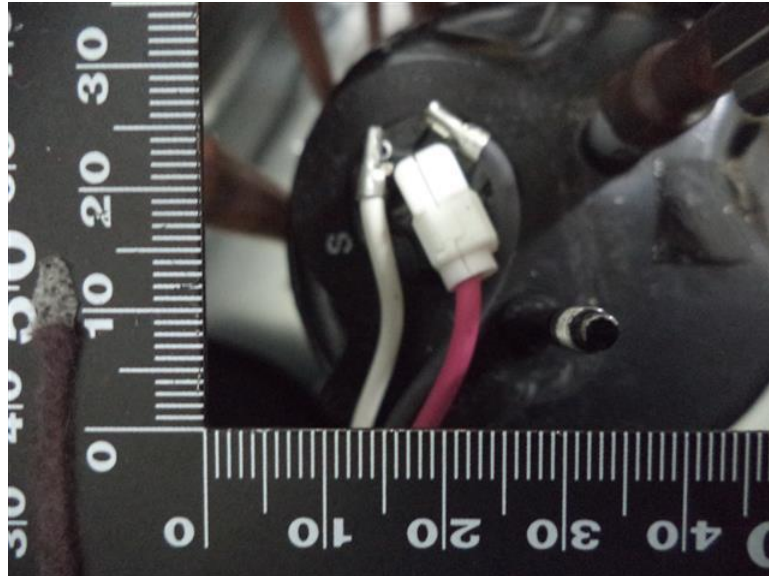
29. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Refrigerant connection and cord anchorage



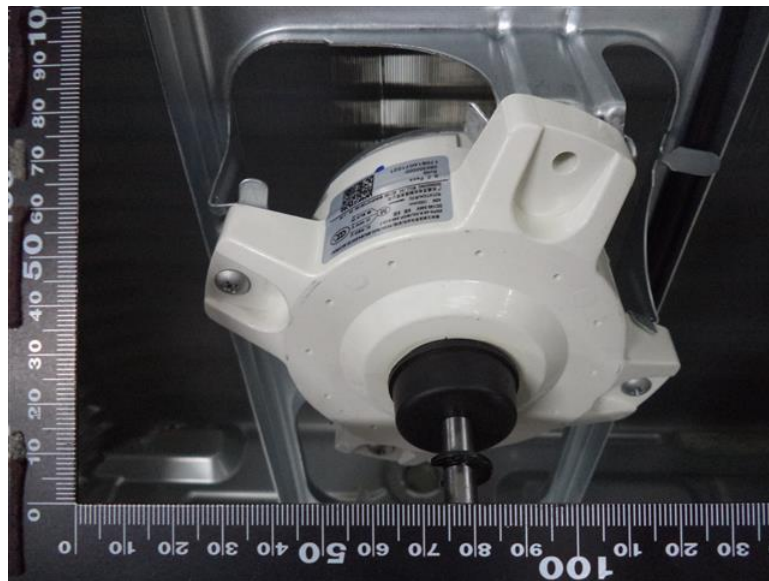
30. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Motor compressor

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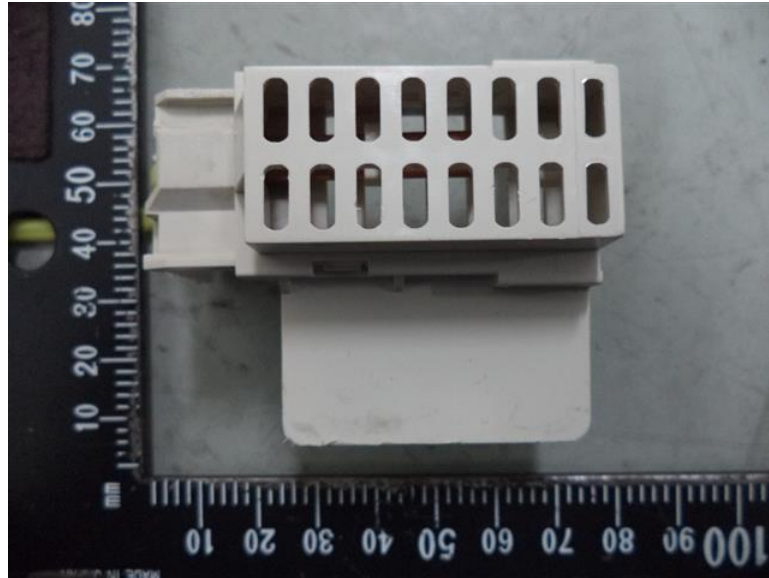
31. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Terminal of motor compressor



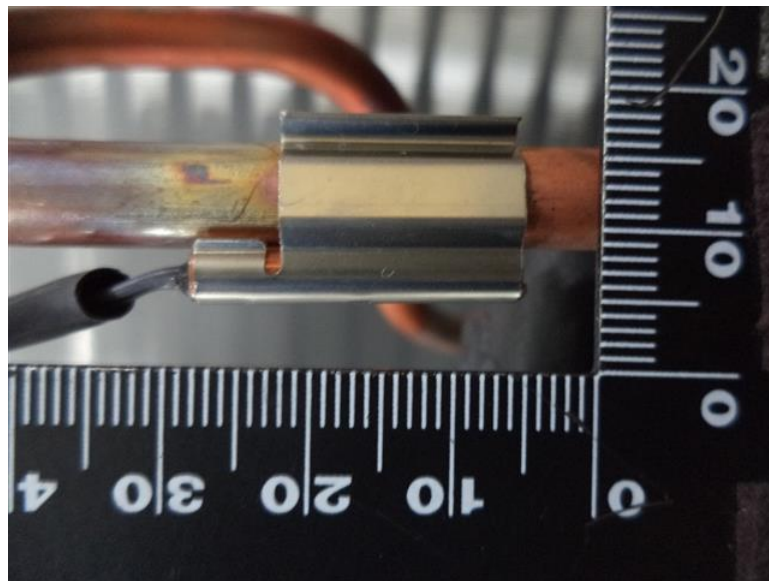
32. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Fan motor

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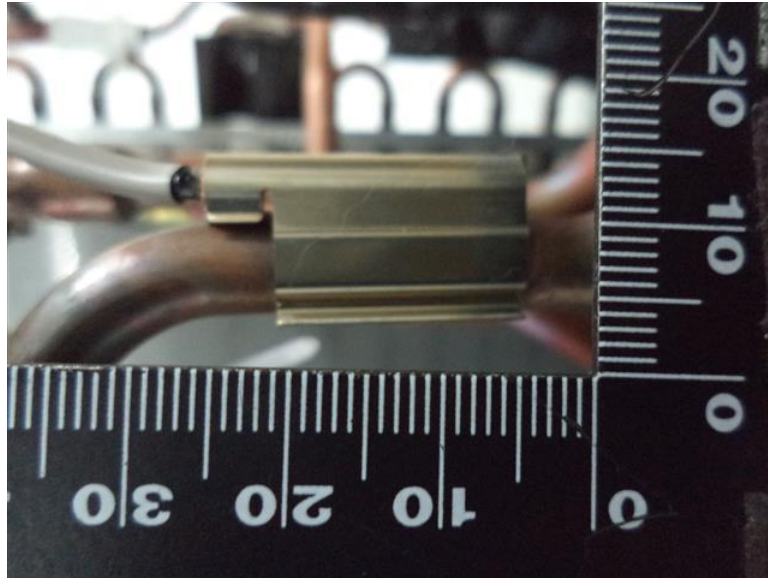
33. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Thermistor



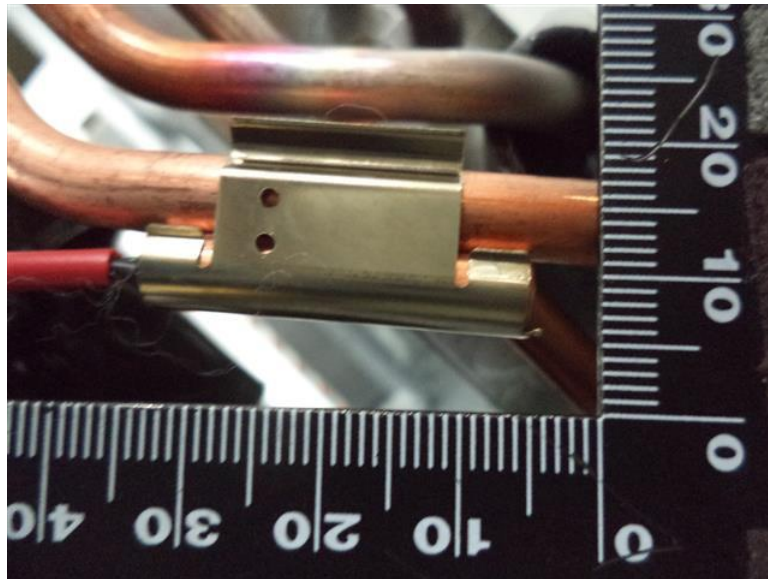
34. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Thermistor

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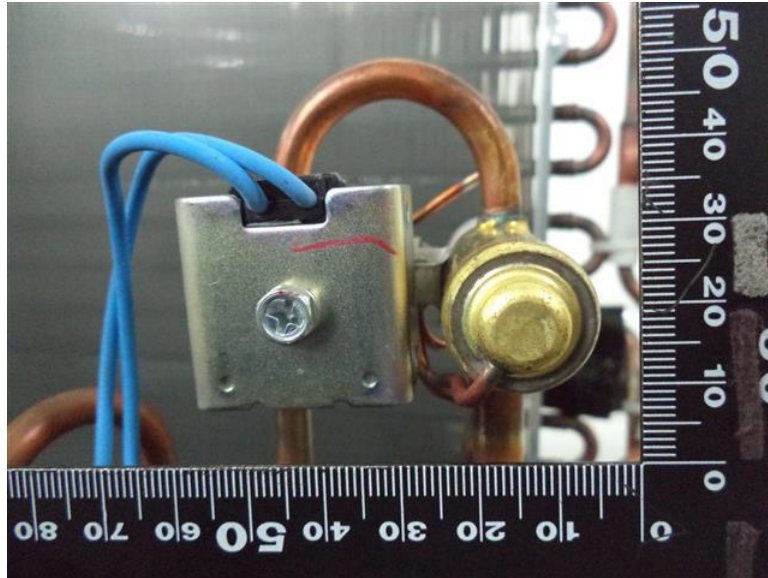
35. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Thermistor



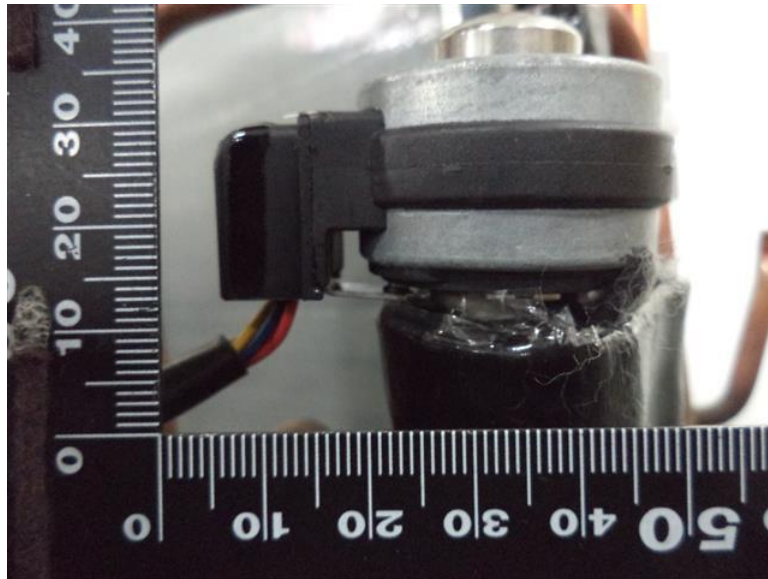
36. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Thermistor

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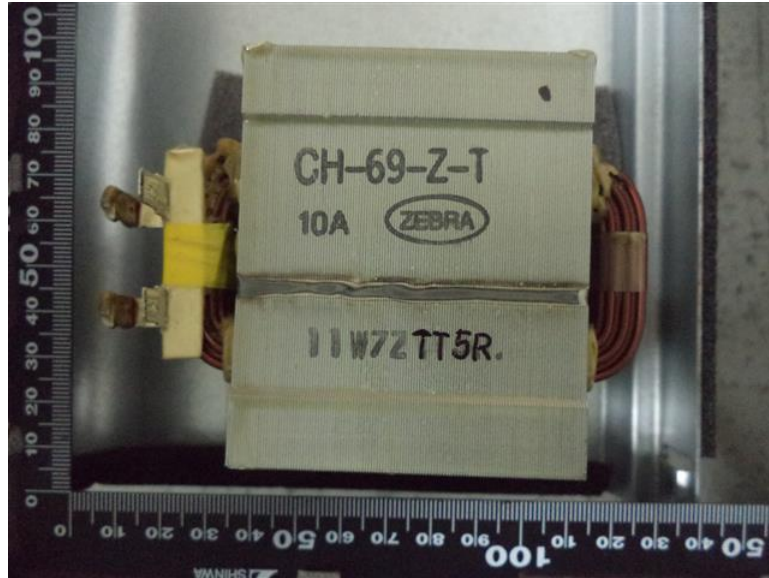
37. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, 4-Way Valve Coil



38. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, PMV Coil

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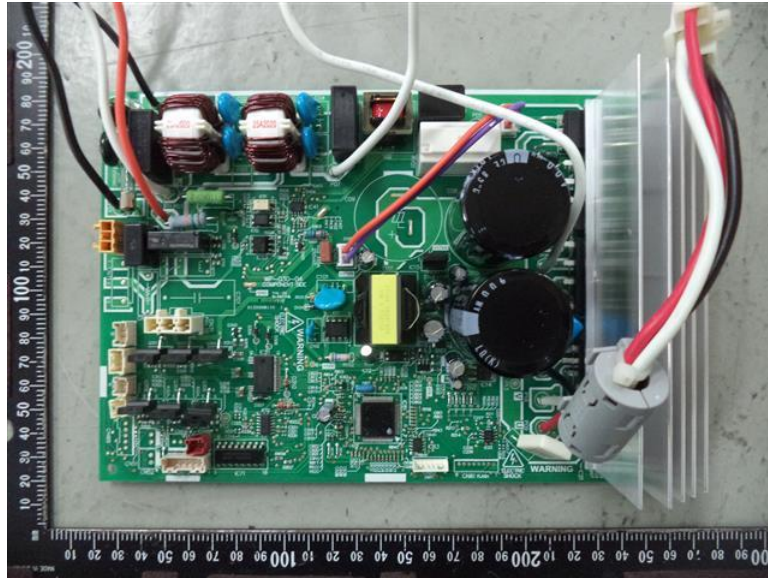
39. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Reactor



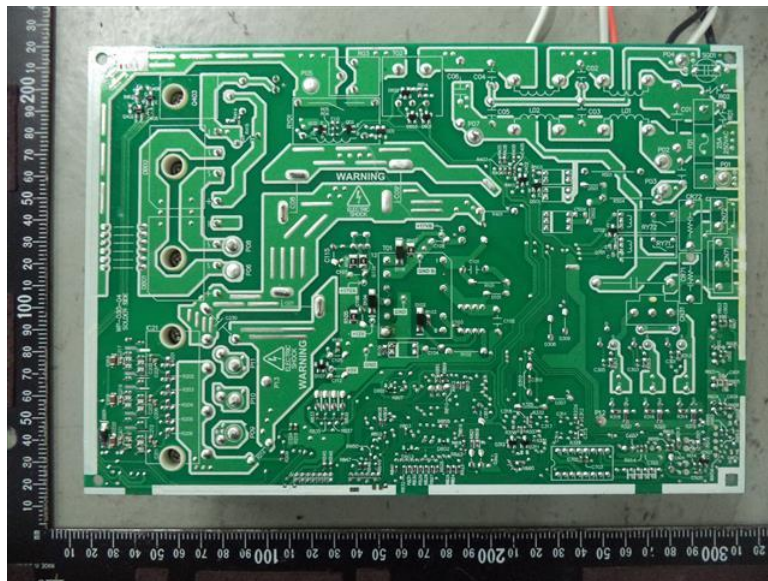
40. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, Fuse

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41. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, WP-030 component main P.C.B.



42. RAV-GM301ATP-E, RAV-GM301ATJP-E, RAV-GM301ATP-TR, WP-030 trace side main P.C.B.

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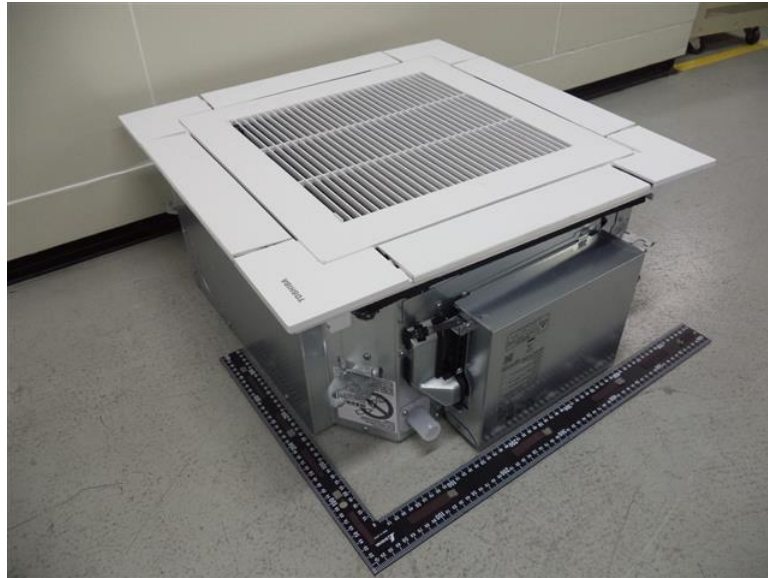
43. Supplementary tube



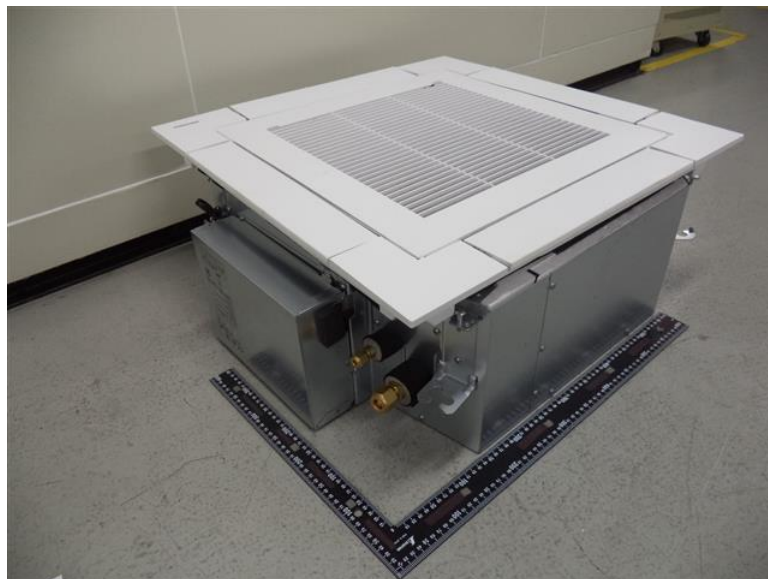
27. Warning symbol label ISO 7000-0790

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44. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, drain pipe connection



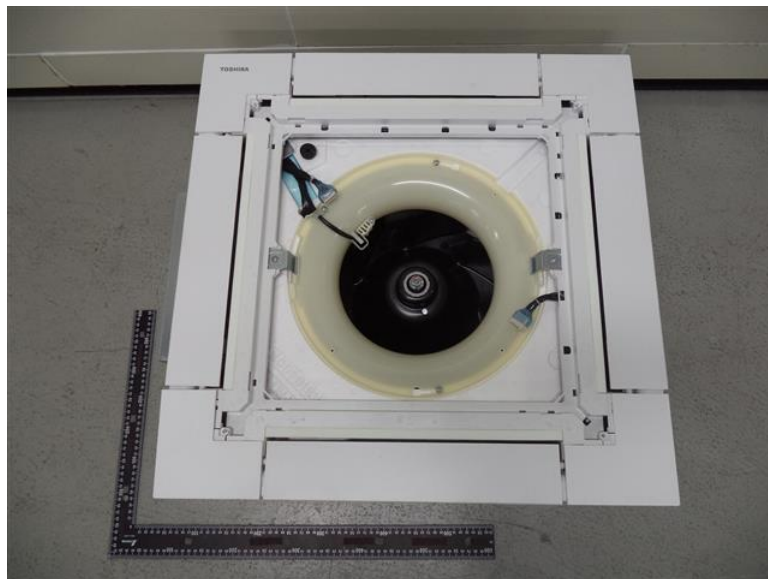
45. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, refrigerant connection

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Attachment 1 : Photographic documentation



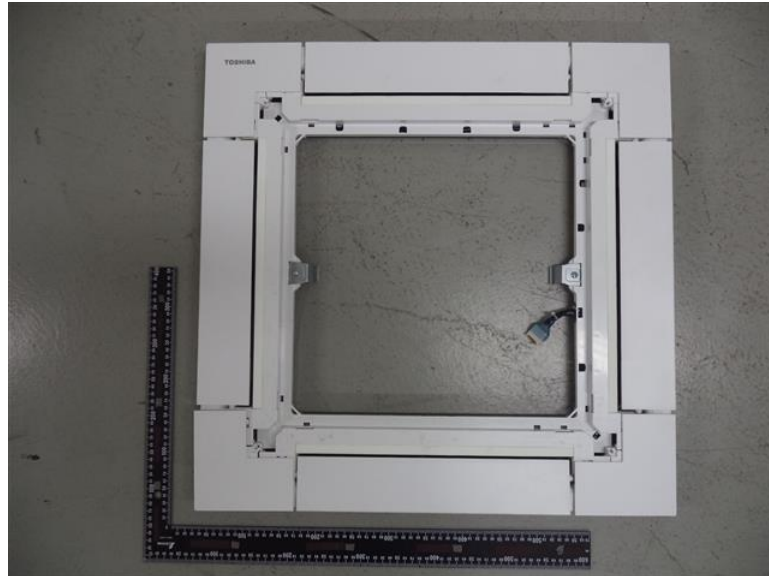
46. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Front view



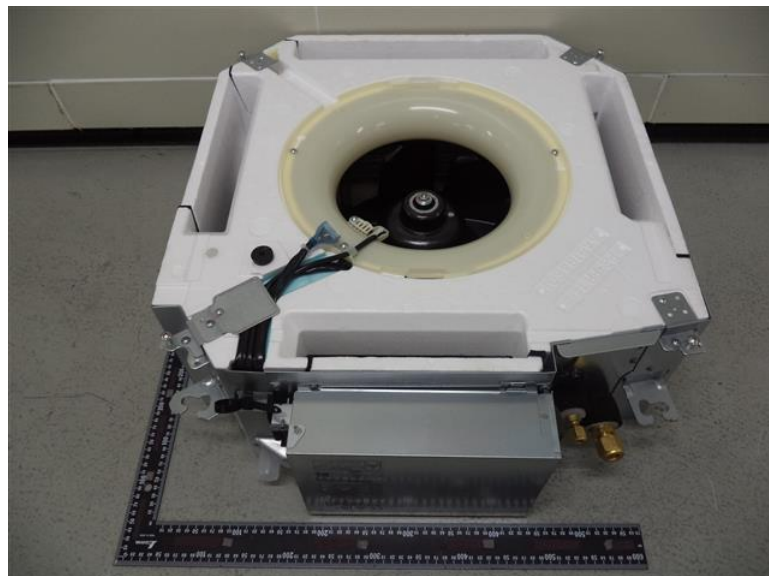
47. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Removed front cover and filter

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Attachment 1 : Photographic documentation



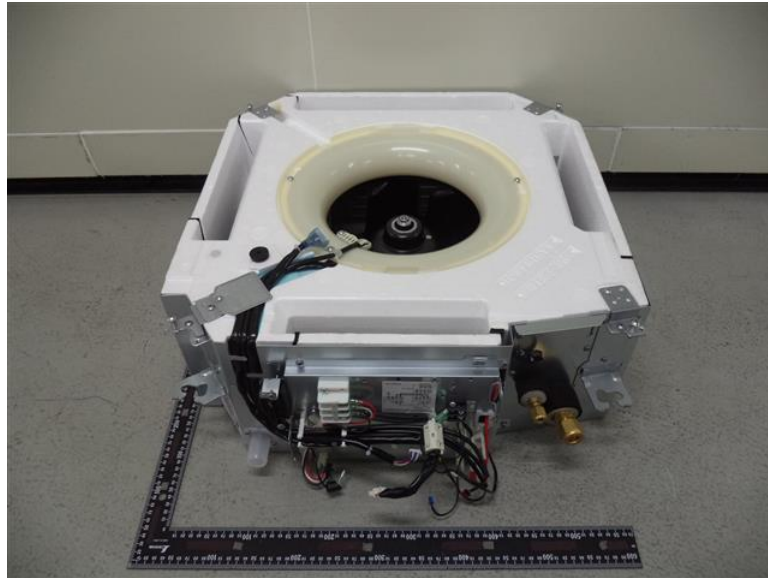
48. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Ceiling Panel



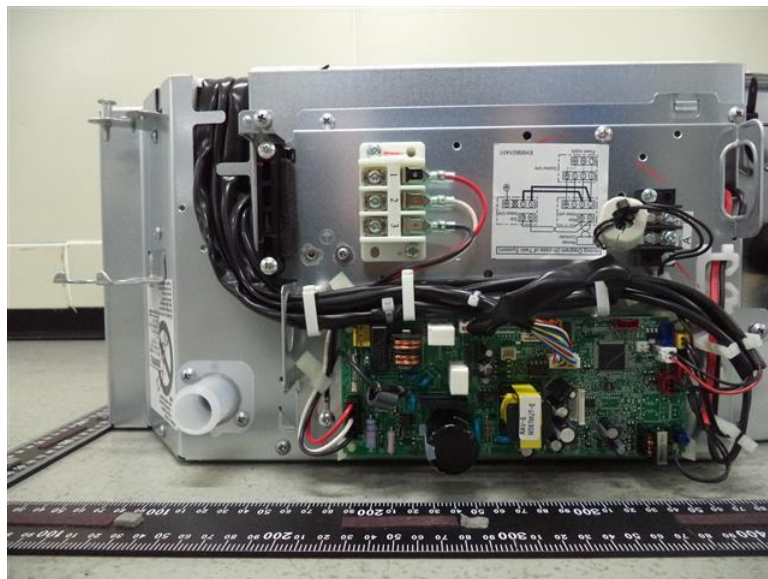
49. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Internal construction

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50. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Internal construction



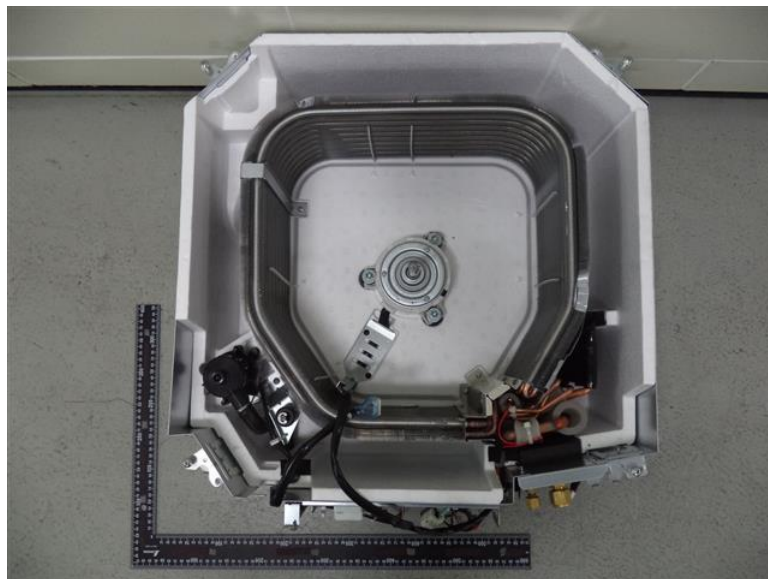
51. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Terminal for wired remote, interconnecting terminal earth connection and cord anchorage

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52. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Internal construction



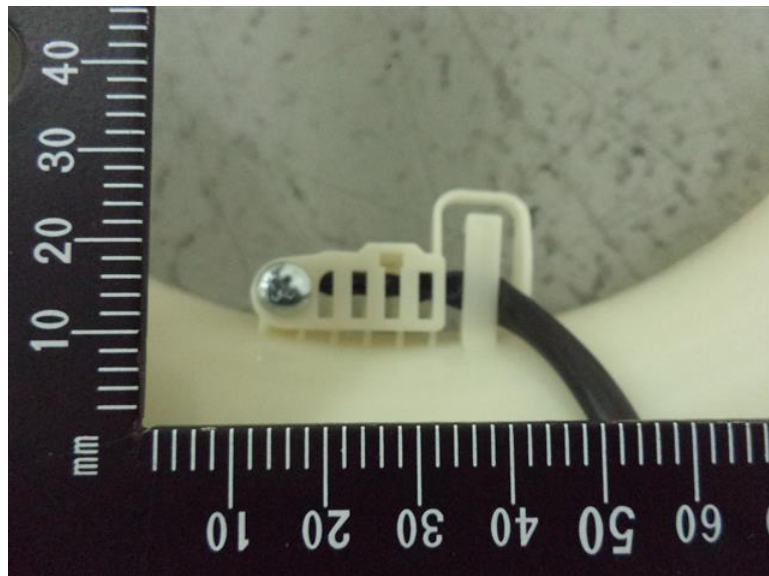
53. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Internal construction

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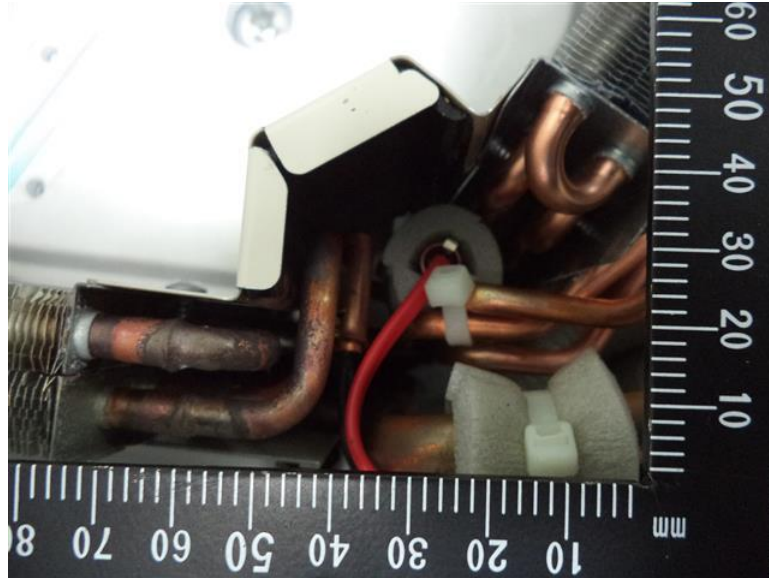
54. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Rear view



55. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Thermistor

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56. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Thermistor



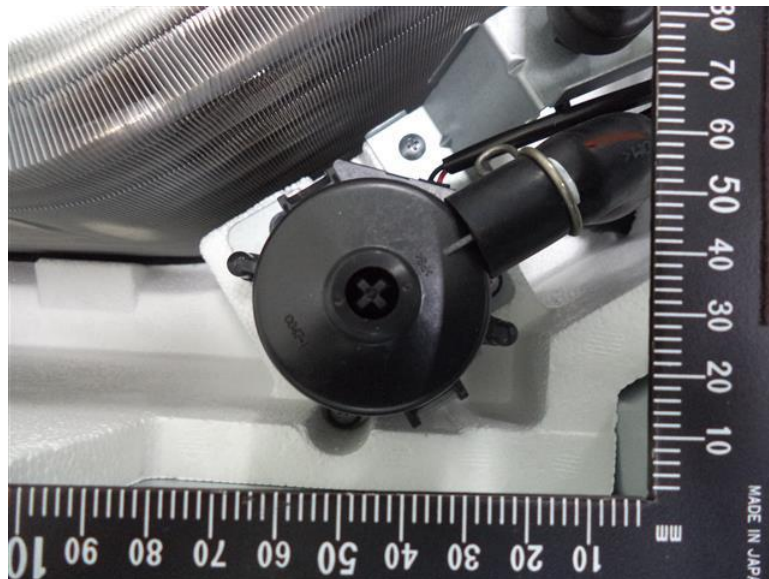
57. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Fan motor

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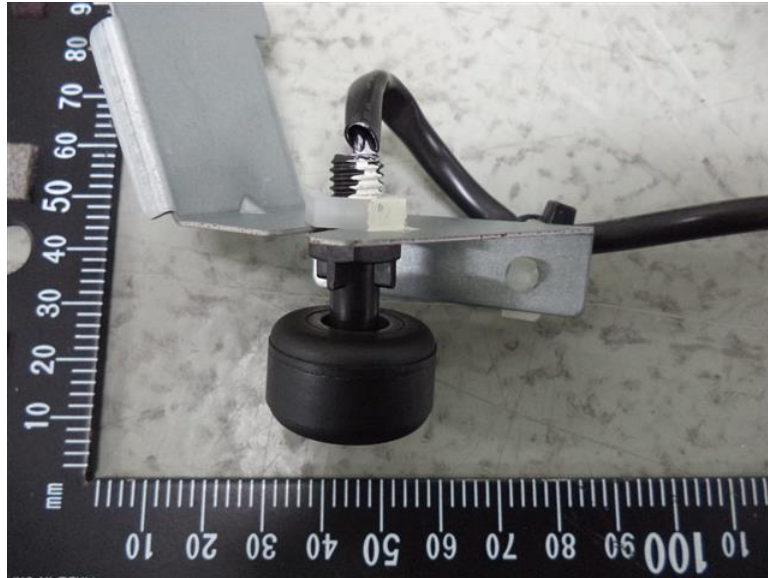
58. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Louver motor



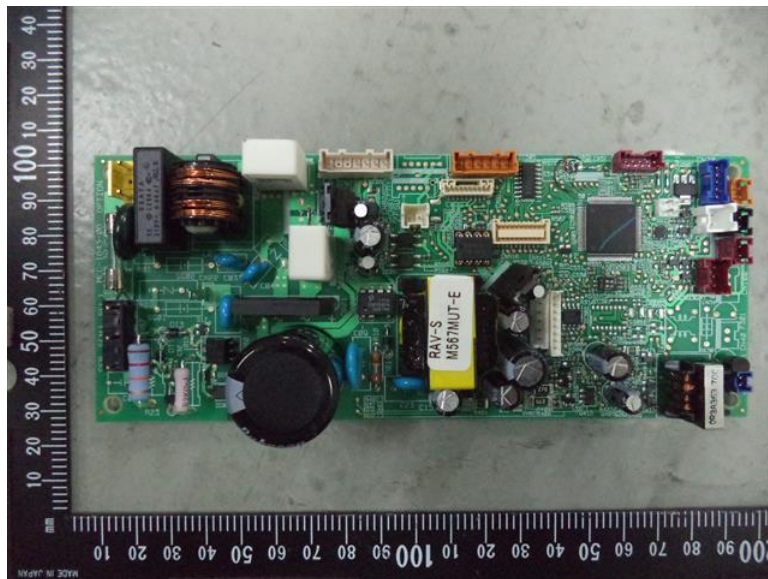
59. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Drain pump motor

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Attachment 1 : Photographic documentation



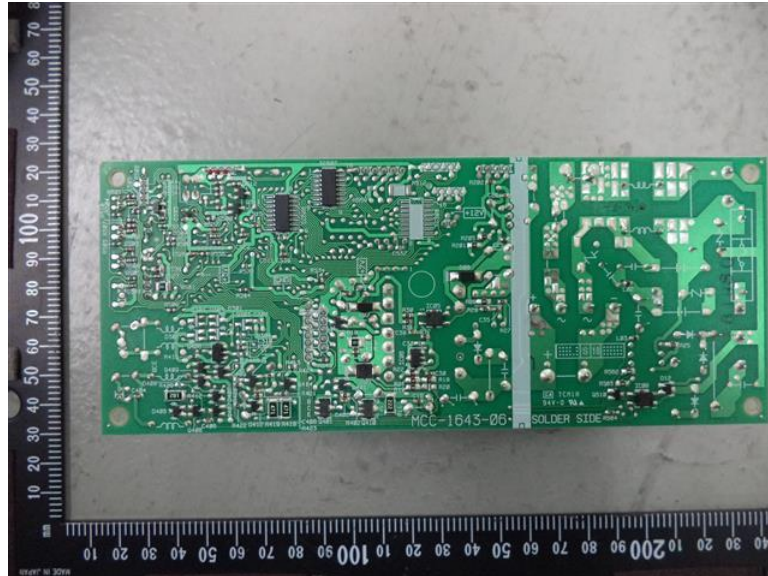
60. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, Water level sensor



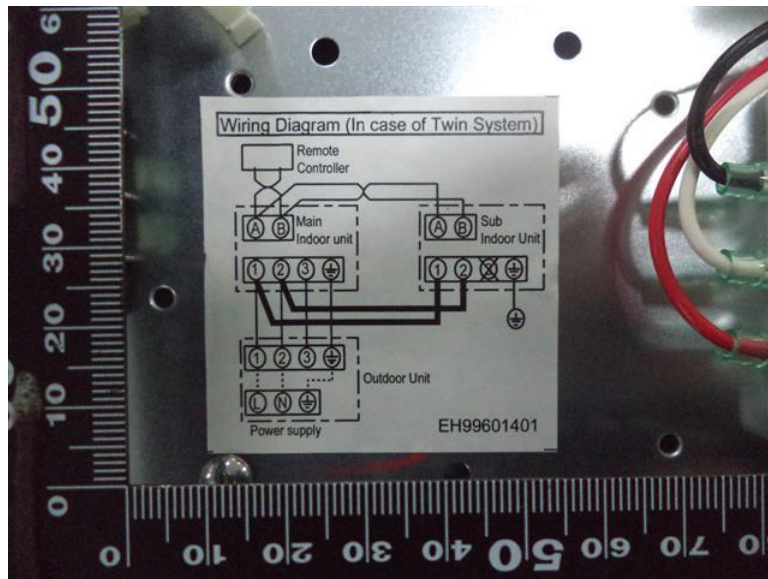
61. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, MCC-1643 component side

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62. RAV-RM301MUT-E, RAV-RM301MUT-TR, RAV-RM401MUT-E, RAV-RM401MUT-TR, RAV-RM561MUT-E, RAV-RM561MUT-TR, MCC-1643 soldering side



63. Wiring diagram

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64. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Isometric front view



65. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Isometric rear view

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66. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Front view



67. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Rear view

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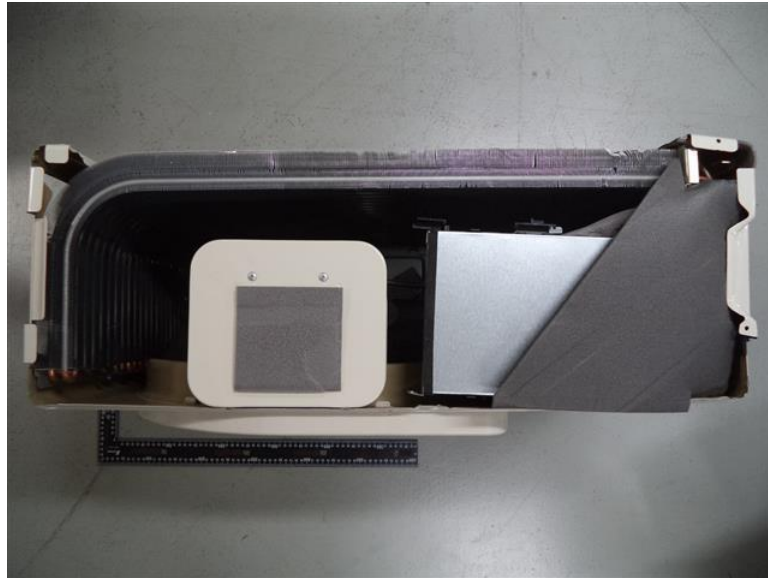
68. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Right side view



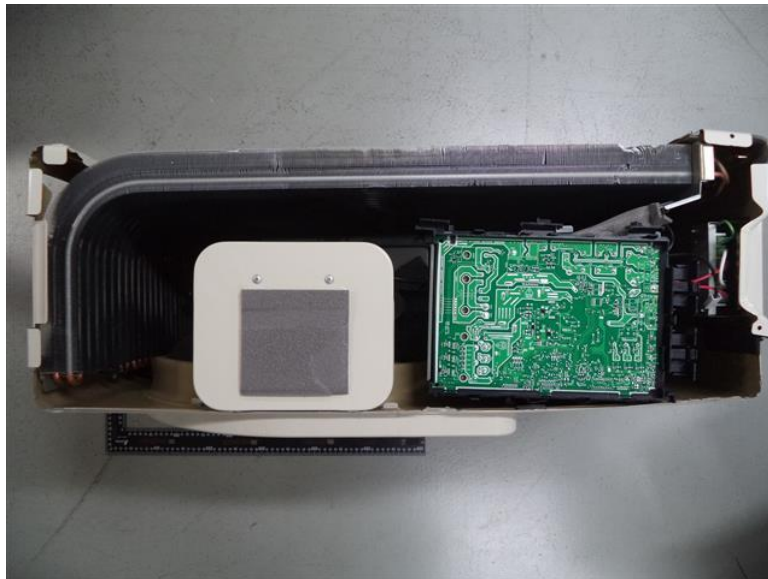
69. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Left side view

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70. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Top view removed top cover



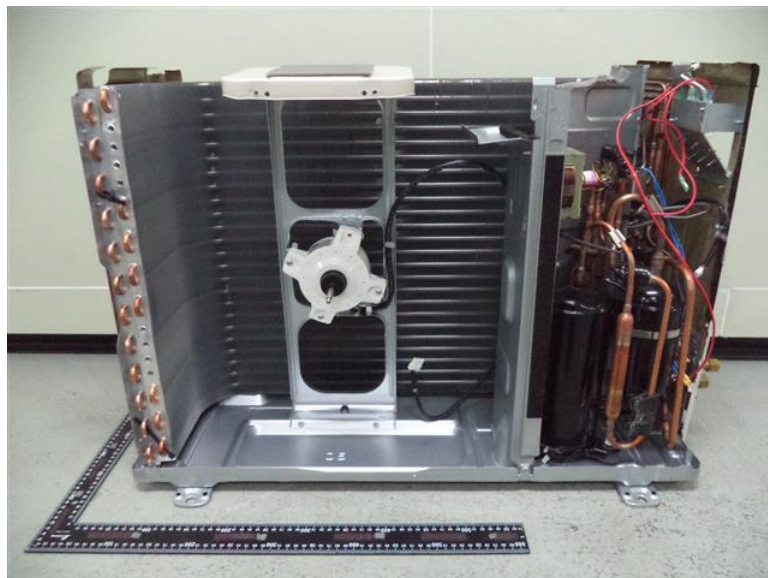
71. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Internal construction

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Attachment 1 : Photographic documentation



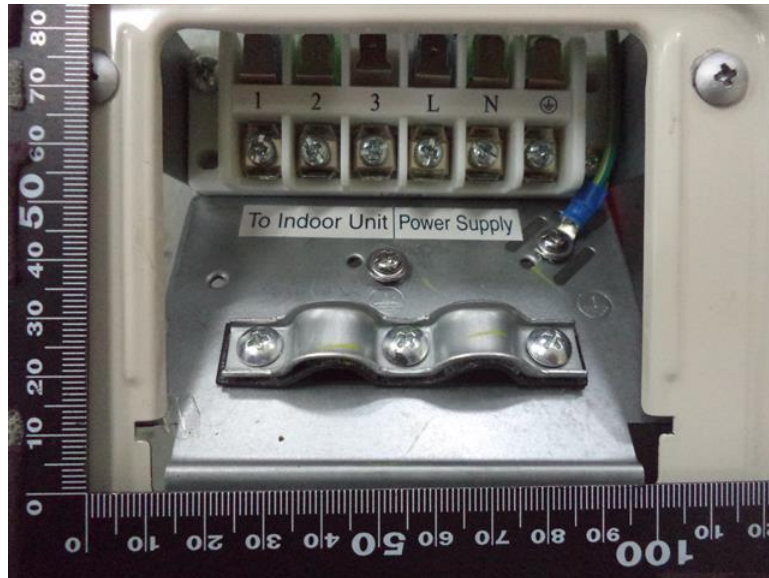
72. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Internal view removed front cover



73. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Internal view removed fan blade

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Attachment 1 : Photographic documentation



74. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Main supply terminal and Terminal block for interconnecting cable, Transformer TT-02



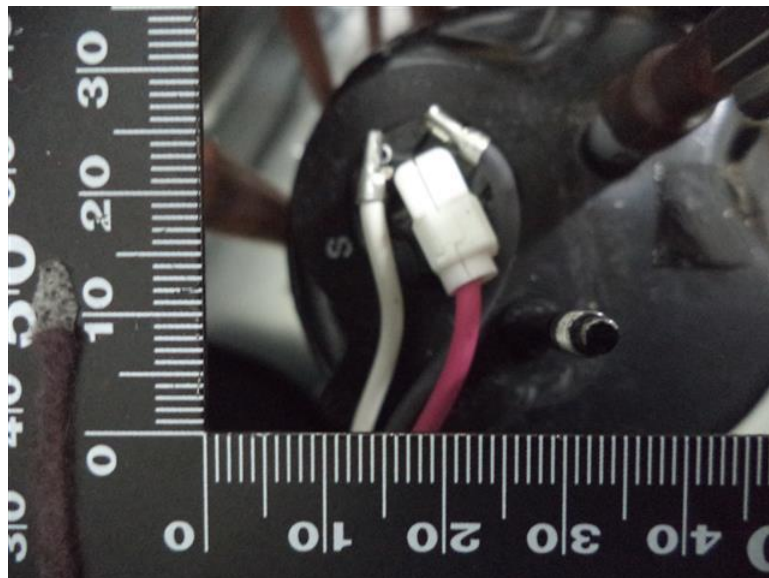
75. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Refrigerant connection and cord anchorage

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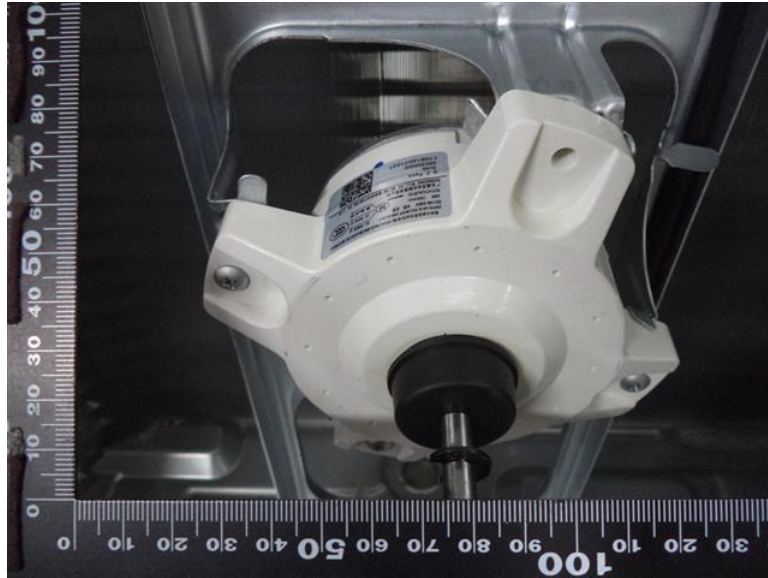
76. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Motor compressor



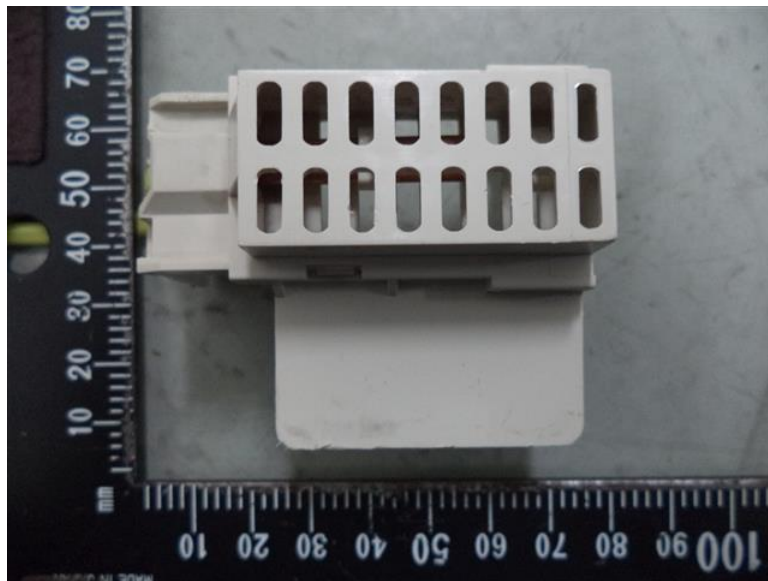
77. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Terminal of motor compressor

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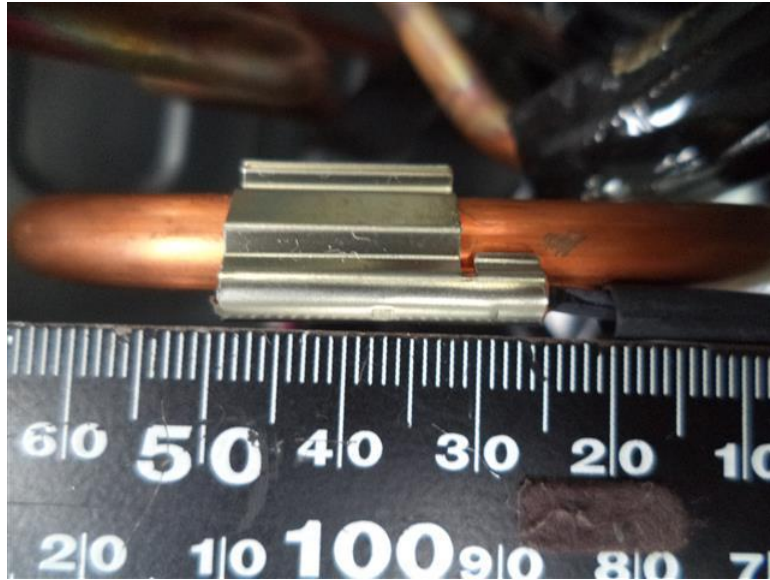
78. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Fan motor



79. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Thermistor

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Attachment 1 : Photographic documentation



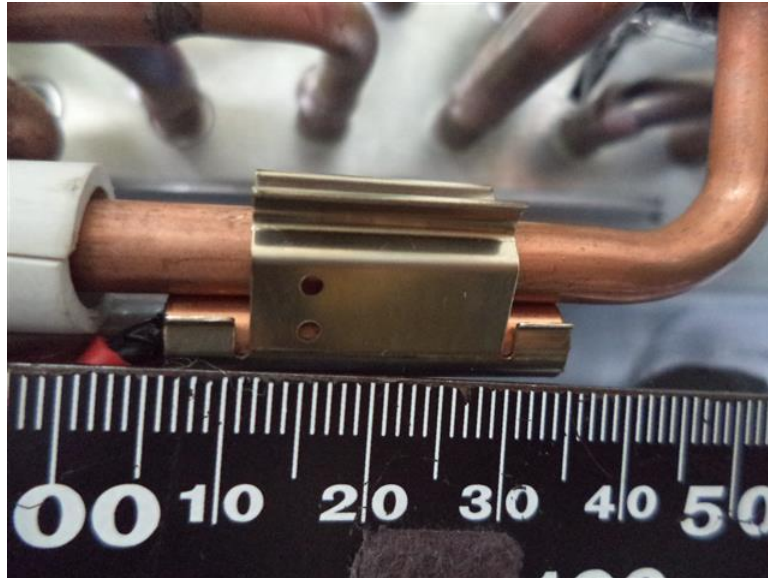
80. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Thermistor



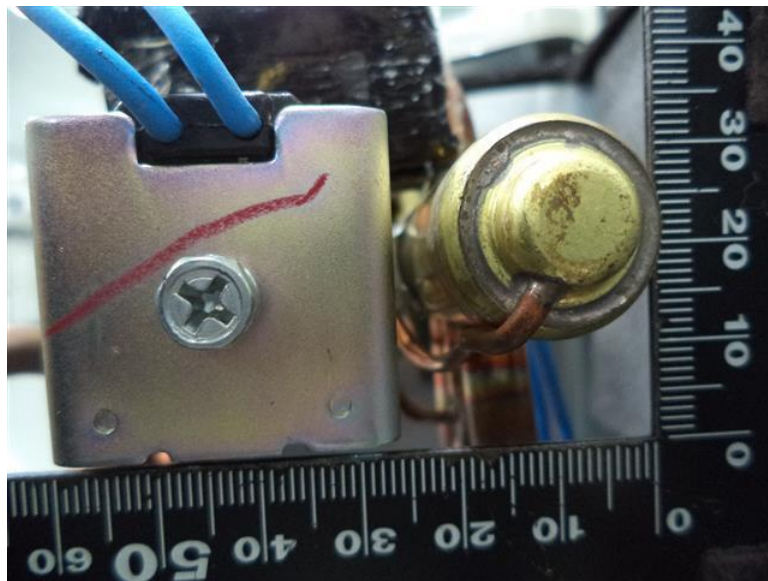
81. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Thermistor

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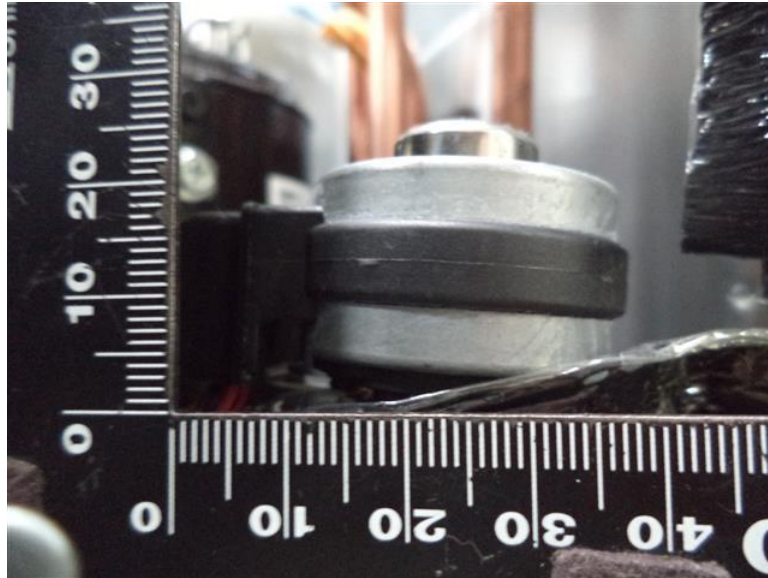
82. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Thermistor



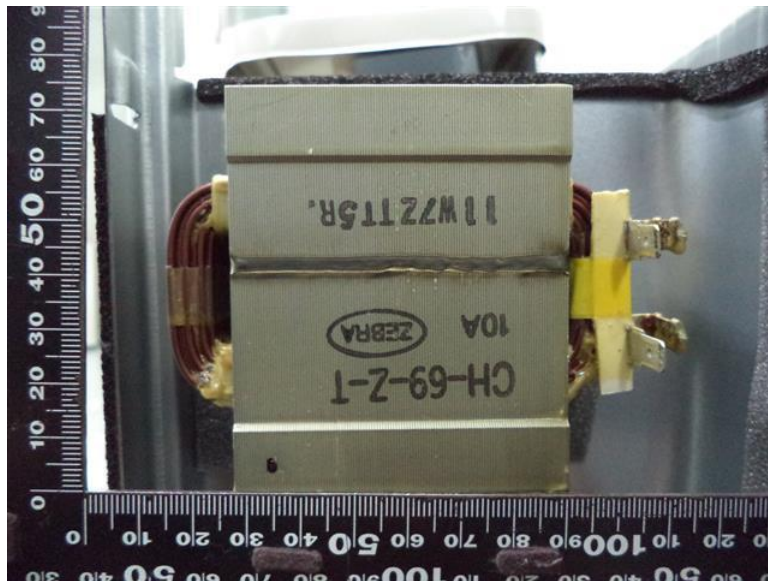
83. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, 4-Way Valve Coil

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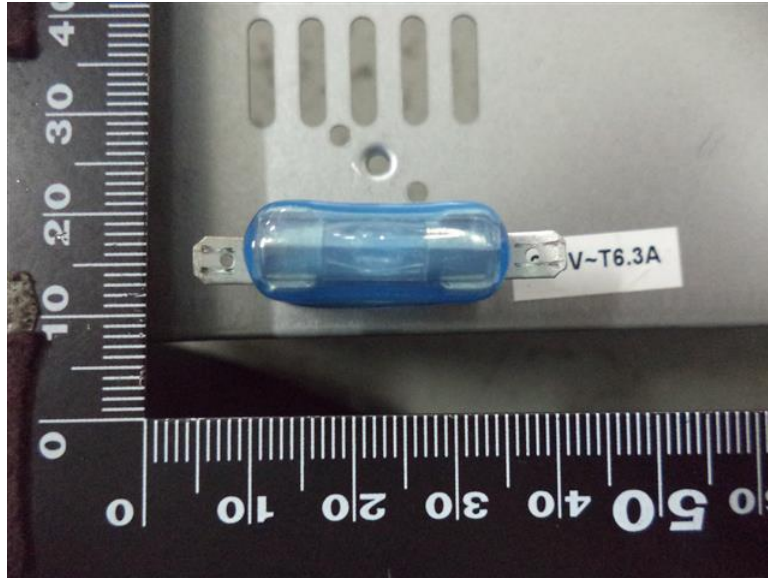
84. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, PMV Coil



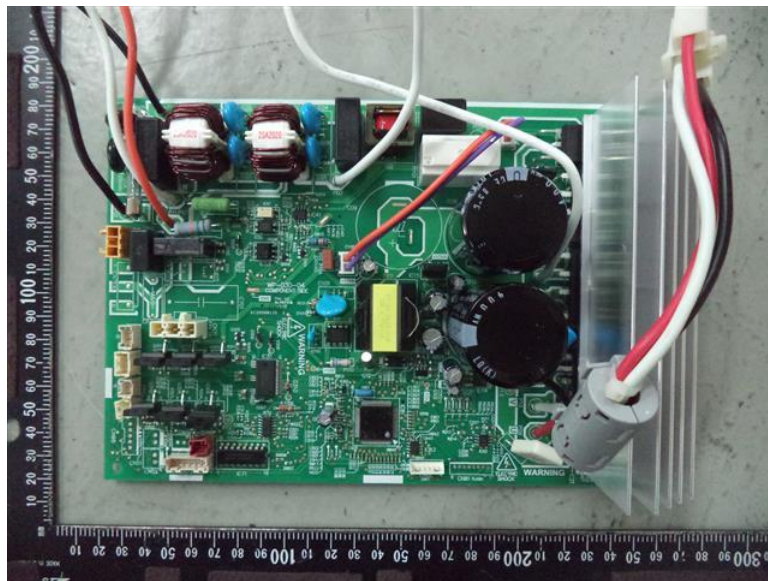
85. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, Reactor

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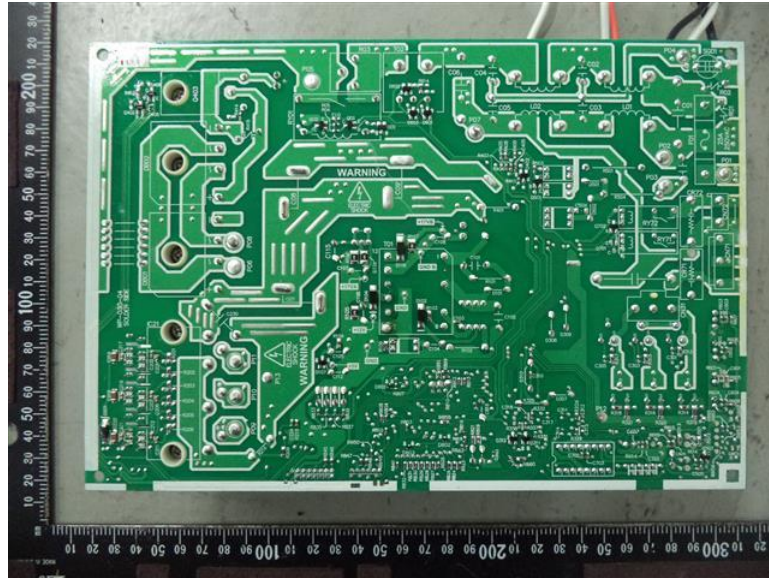
86. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, fuse



87. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, WP-030 component main P.C.B.

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88. RAV-GM401ATP-E, RAV-GM401ATJP-E, RAV-GM401ATP-TR, WP-030 trace side main P.C.B.



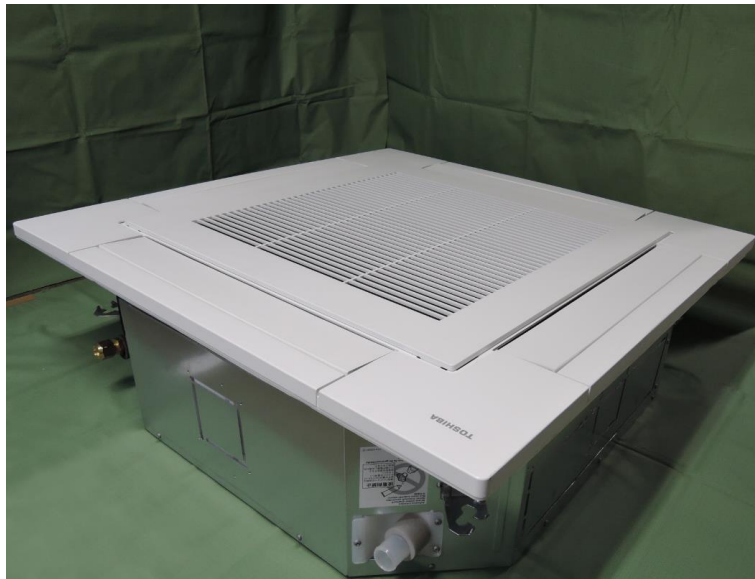
89. Supplementary tube

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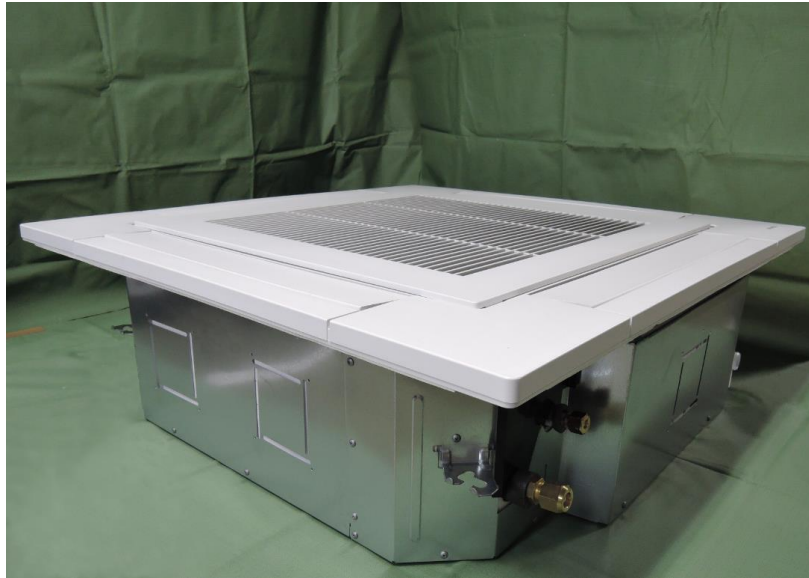
90. Warning symbol label ISO 7000-0790



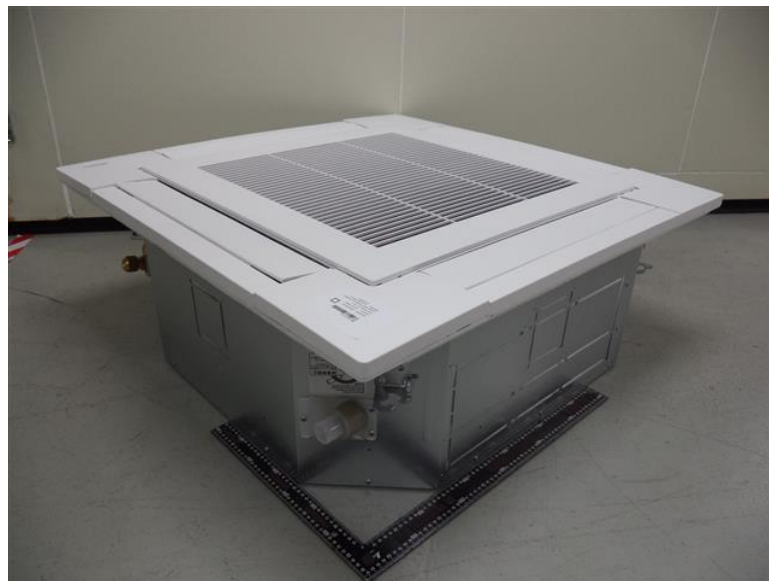
91. RAV-GM561UT-E, RAV-GM561UT-TR, drain pipe connection

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92. RAV-GM561UT-E, RAV-GM561UT-TR, refrigerant connection



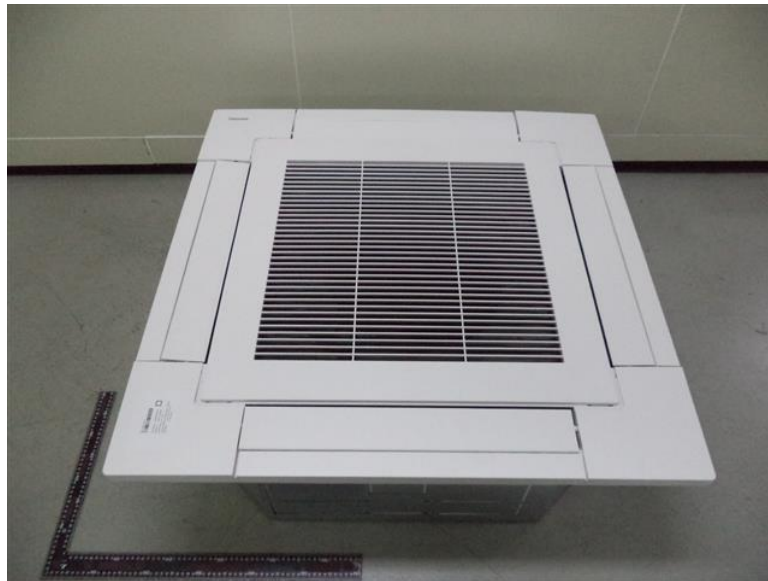
93. RAV-GM801UT-E, RAV-GM801UT-TR, drain pipe connection

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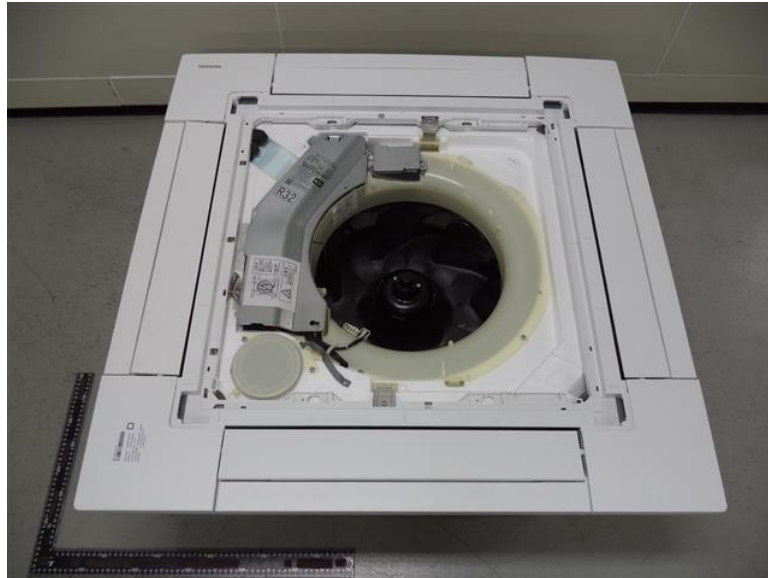
94. RAV-GM801UT-E, RAV-GM801UT-TR, refrigerant connection



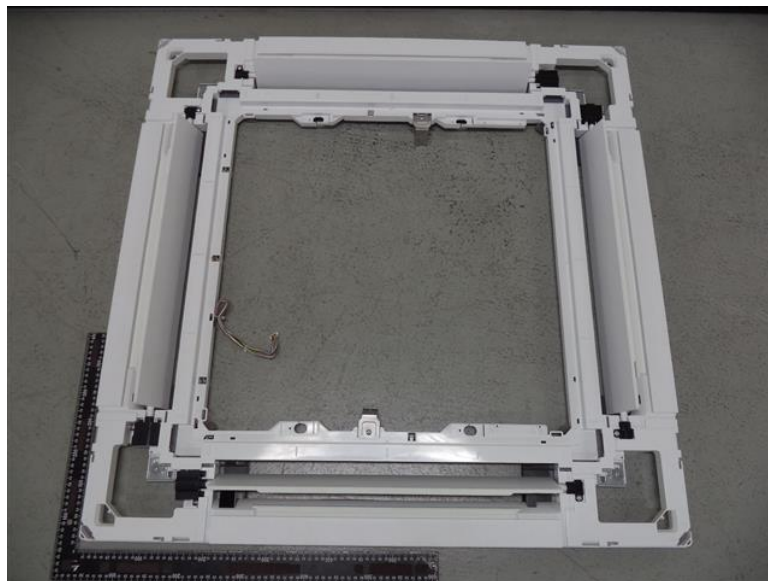
95. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, Front view

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Attachment 1 : Photographic documentation



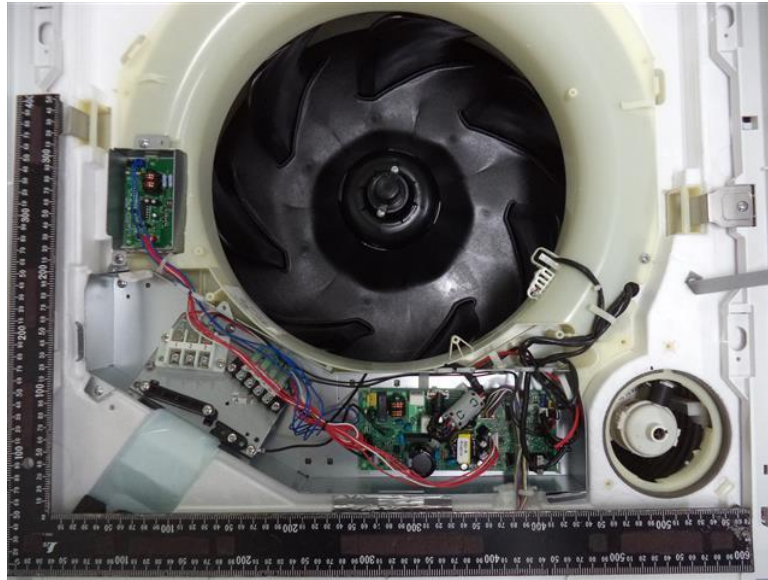
96. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, Removed front cover and filter



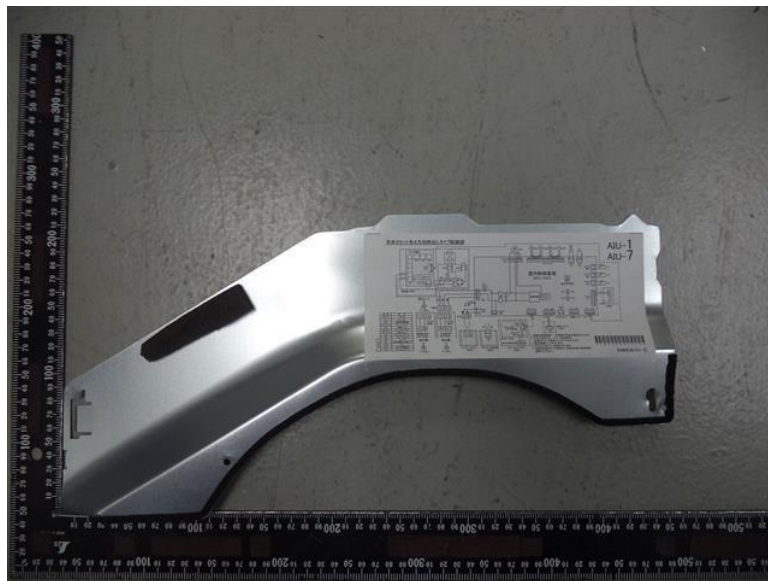
97. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, Ceiling Panel

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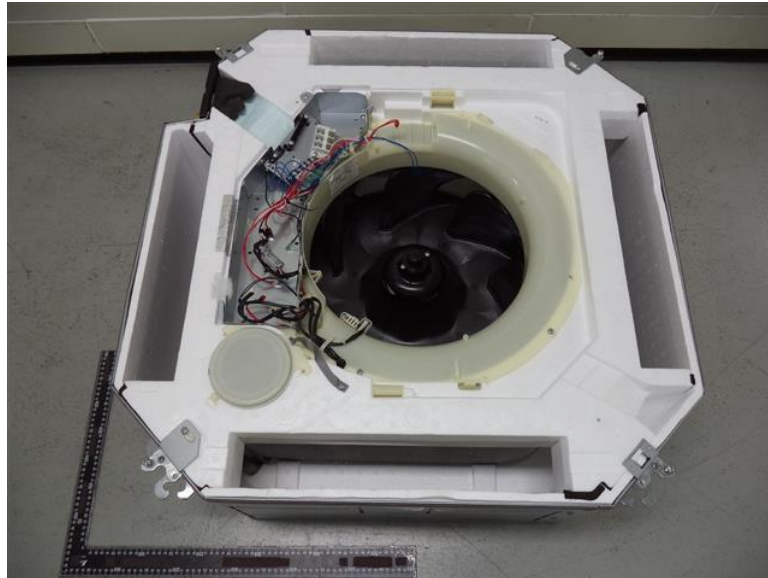
98. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, Internal construction



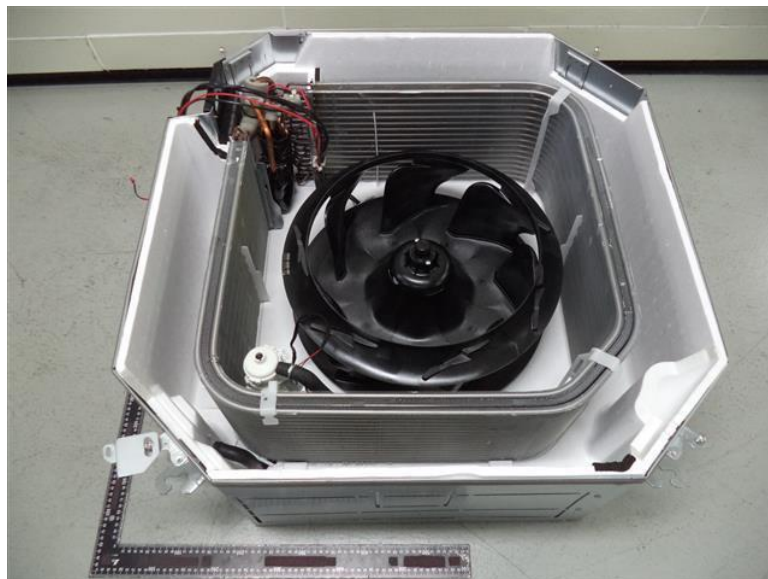
99. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, Wiring diagram

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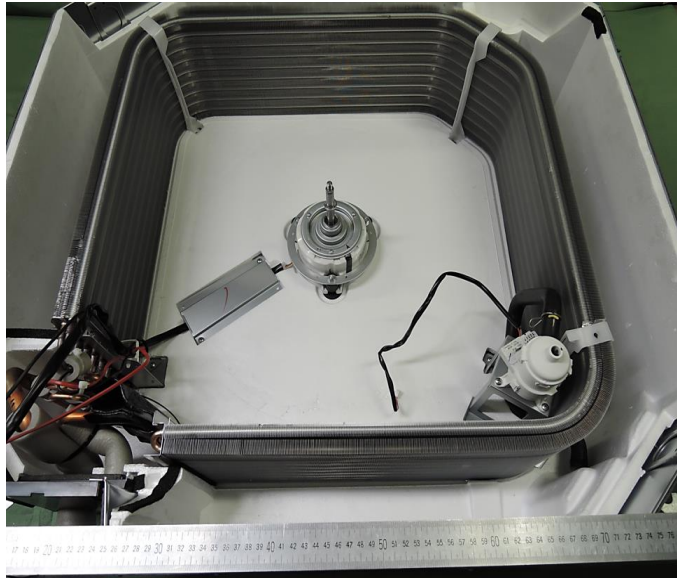
100. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, Internal construction



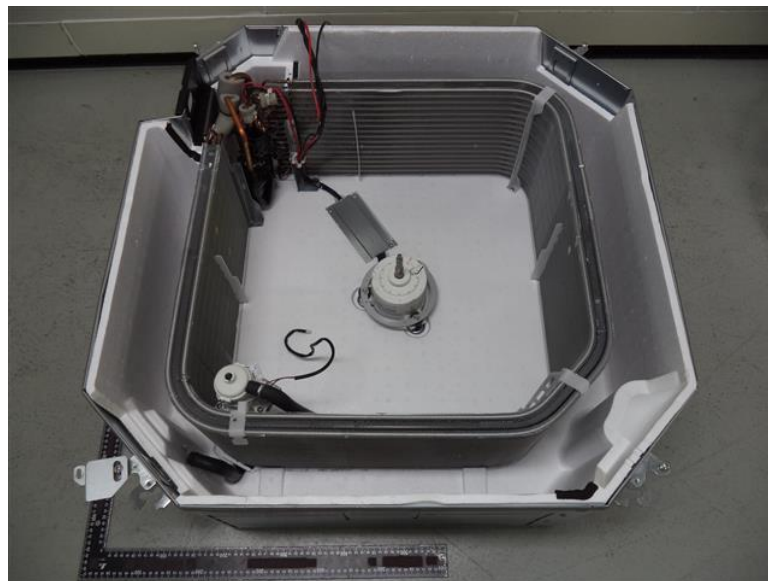
101. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, Internal construction

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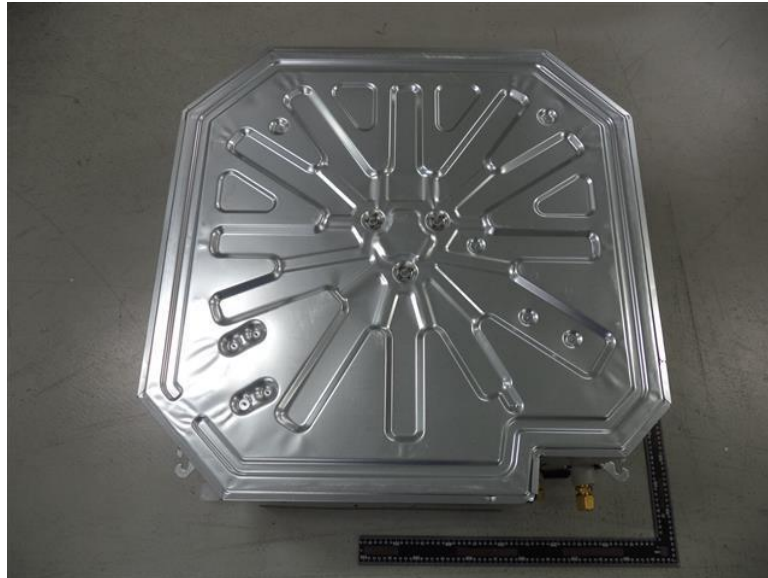
102. RAV-GM561UT-E, RAV-GM561UT-TR, Internal construction



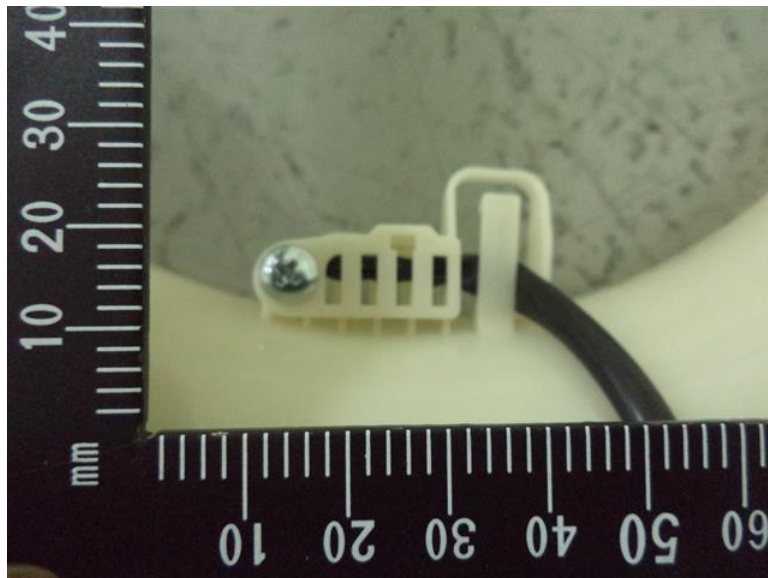
103. RAV-GM801UT-E, RAV-GM801UT-TR, Internal construction

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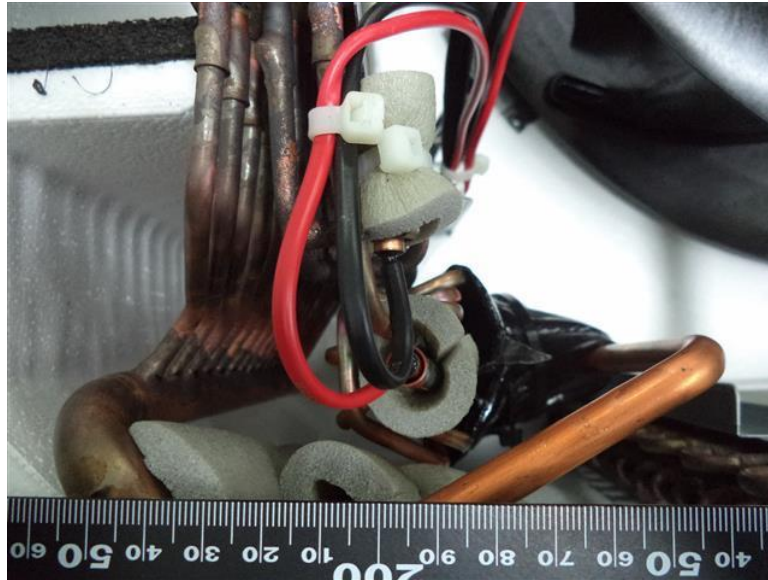
104. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, Rear view



105. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, Thermistor

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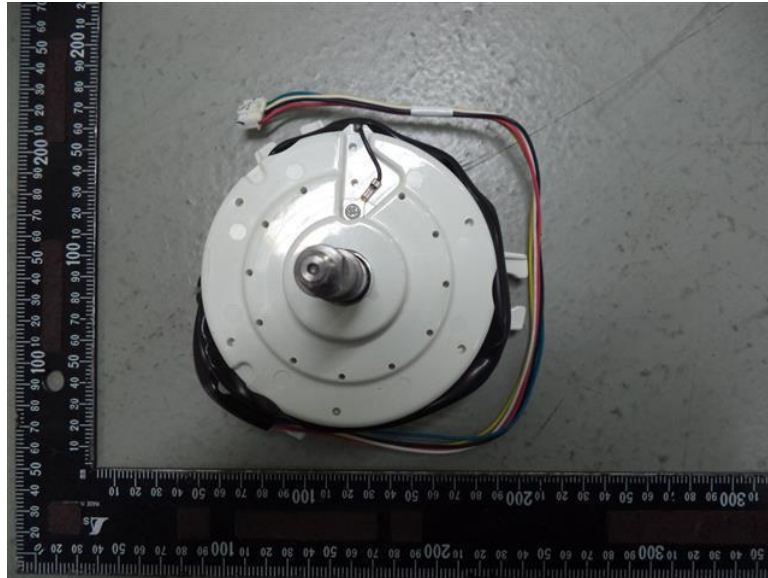
106. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, Thermistor



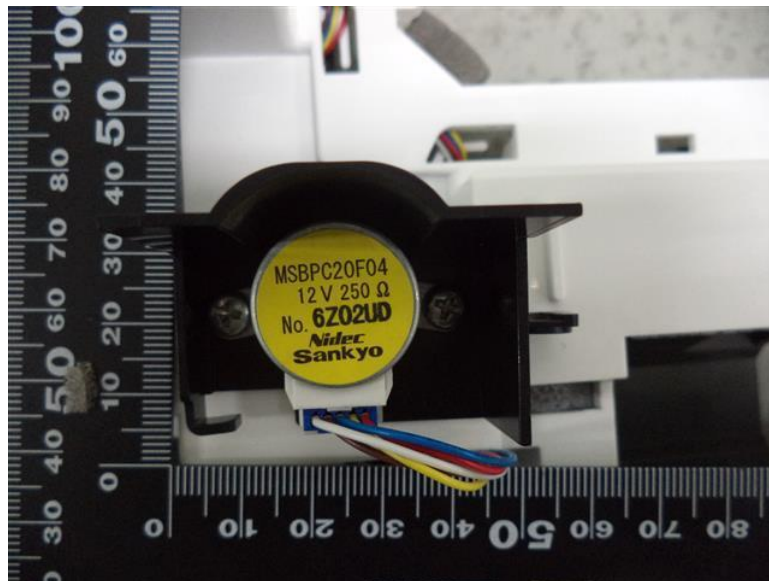
107. RAV-GM561UT-E, RAV-GM561UT-TR, Fan motor

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Attachment 1 : Photographic documentation



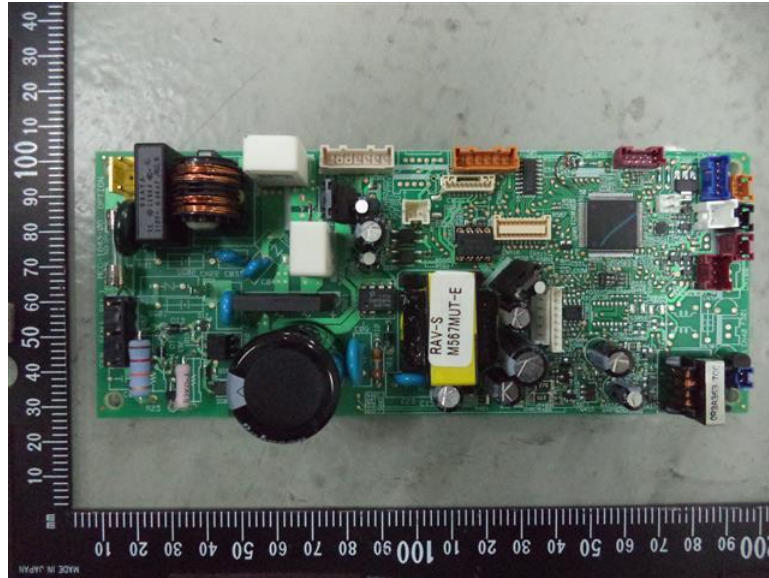
108. RAV-GM801UT-E, RAV-GM801UT-TR, Fan motor



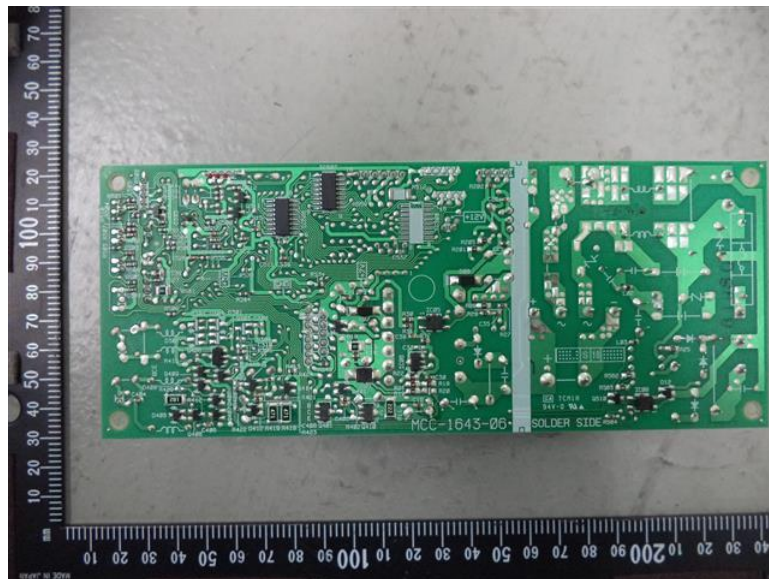
109. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, Louver motor

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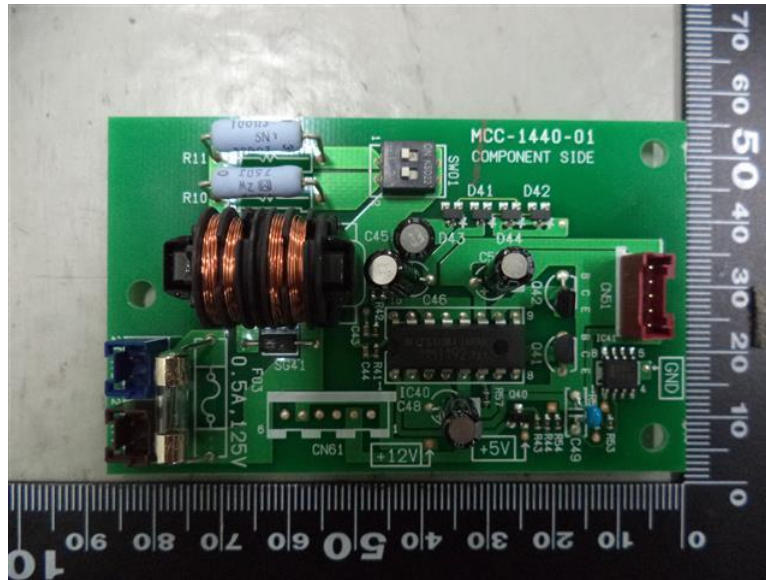
112. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, MCC-1643 component side



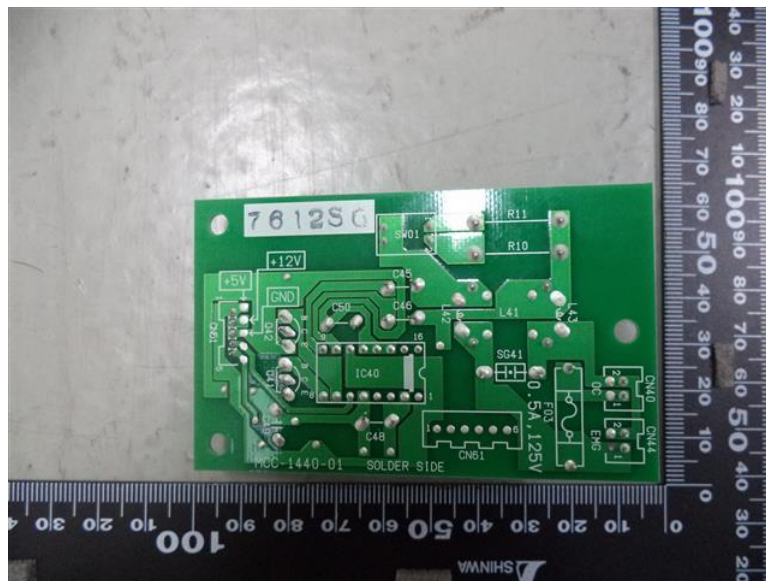
113. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, MCC-1643 soldering side

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Attachment 1 : Photographic documentation



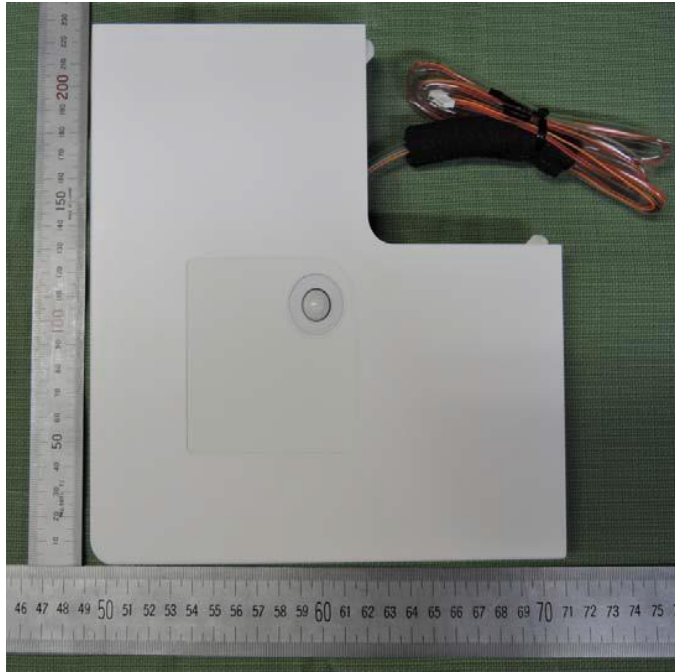
114. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, MCC-1440 component side



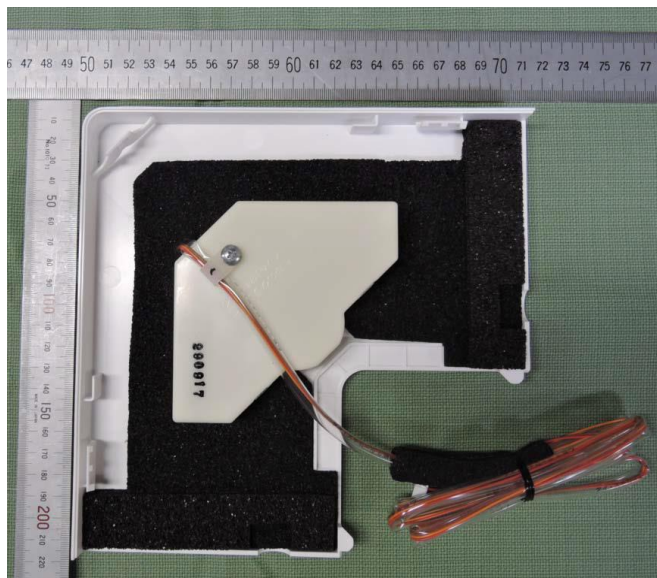
115. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, MCC-1440 soldering side

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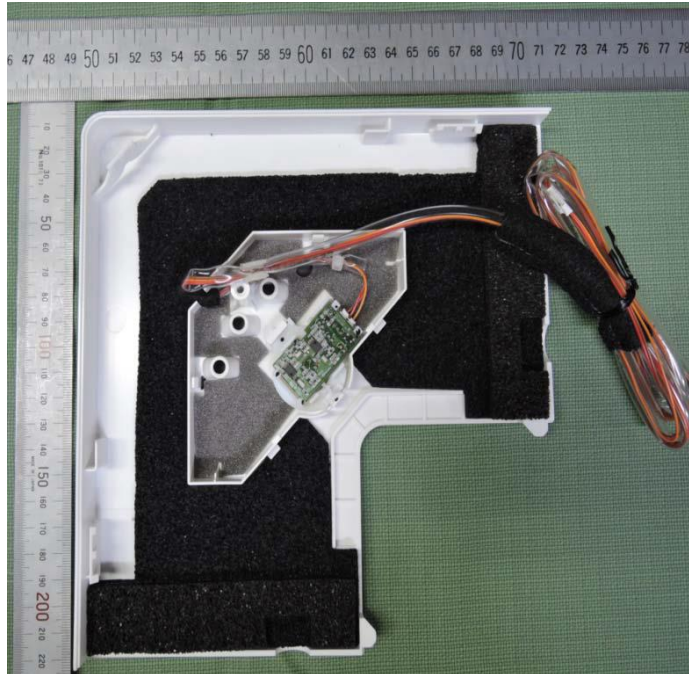
116. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, TCB-SIR41U-E (Occupancy Sensor)



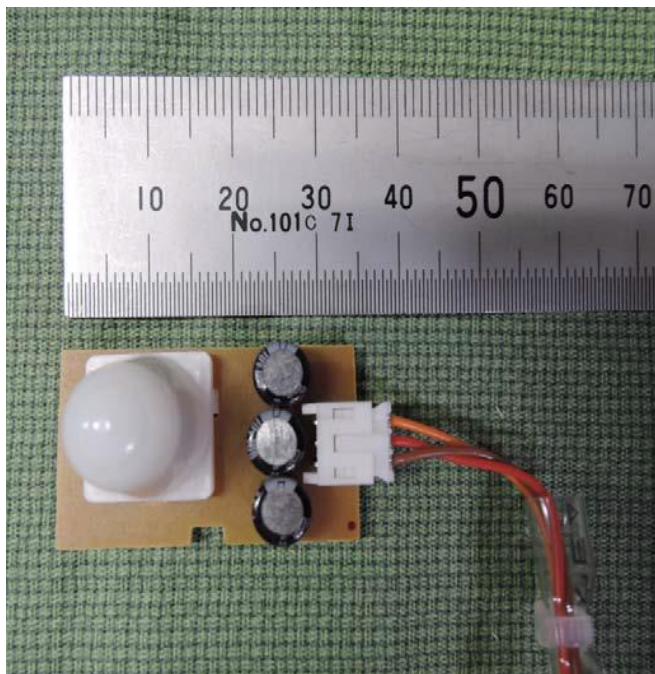
117. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, TCB-SIR41U-E (Occupancy Sensor)

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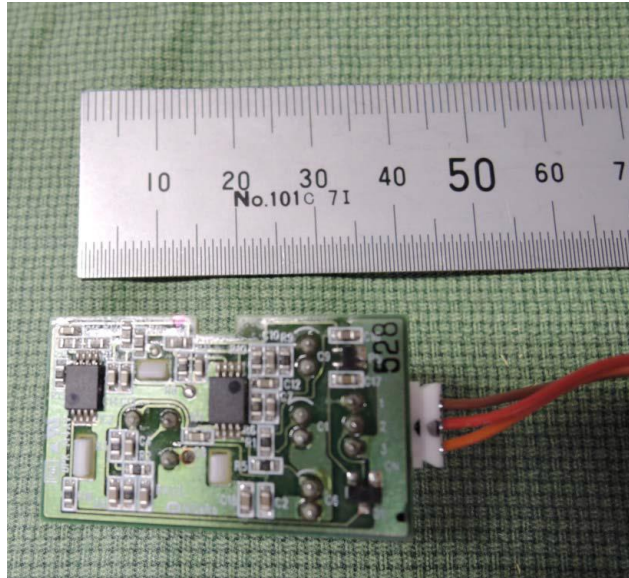
118. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, TCB-SIR41U-E (Occupancy Sensor)



119. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, TCB-SIR41U-E (Occupancy Sensor)

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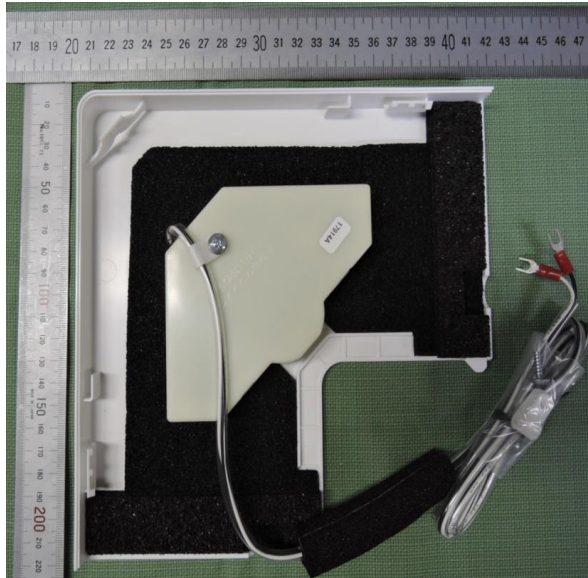
120. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, TCB-SIR41U-E (Occupancy Sensor)



121. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, RBC-AX41U(W)-E (Wireless Remote Controller Receiver)

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Attachment 1 : Photographic documentation



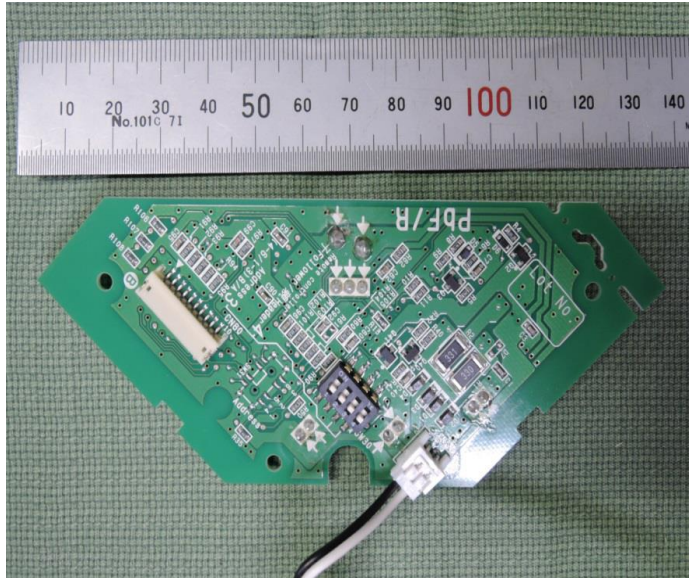
122. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, RBC-AX41U(W)-E (Wireless Remote Controller Receiver)



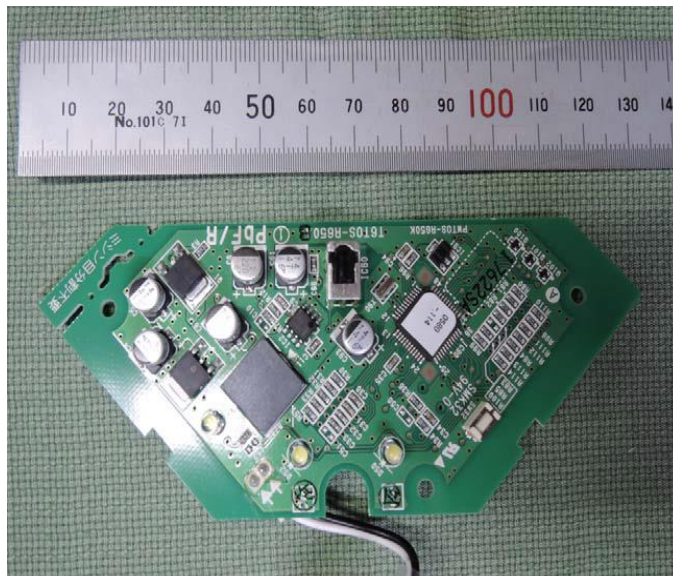
123. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, RBC-AX41U(W)-E (Wireless Remote Controller Receiver)

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124. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, RBC-AX41U(W)-E (Wireless Remote Controller Receiver)



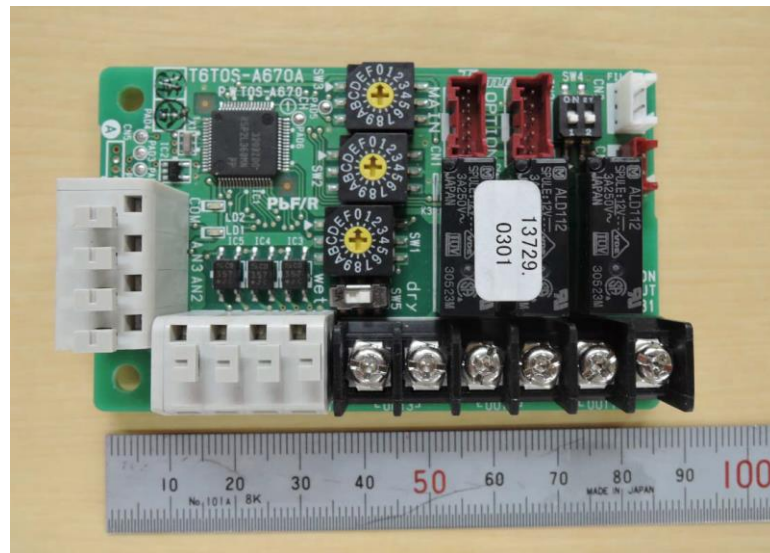
125. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, RBC-AX41U(W)-E (Wireless Remote Controller Receiver)

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Attachment 1 : Photographic documentation



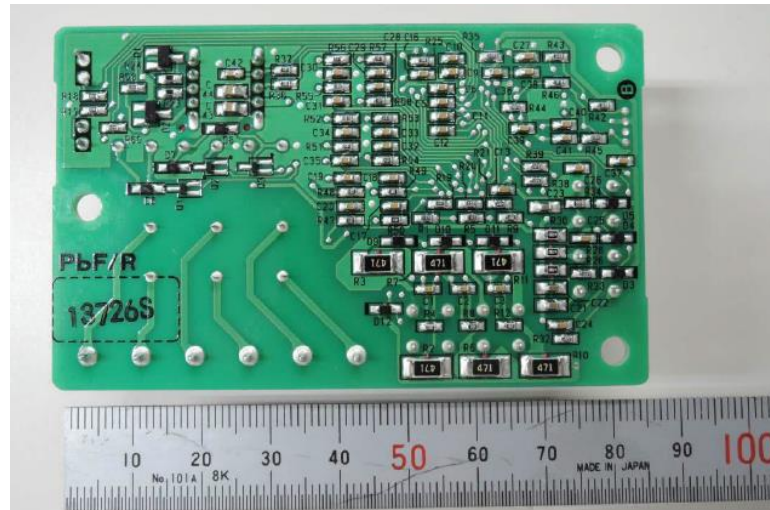
126. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, RBC-AX41U(W)-E (Wireless Remote Controller)



127. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, TCB-PCUC1E-1 (Application Control kit)

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Attachment 1 : Photographic documentation



128. RAV-GM561UT-E, RAV-GM561UT-TR, RAV-GM801UT-E, RAV-GM801UT-TR, TCB-PCUC1E-1 (Application Control kit)



129. Wired remote controller RBC-AMS55E-ES and RBC-AMS55E-EN

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Attachment 1 : Photographic documentation



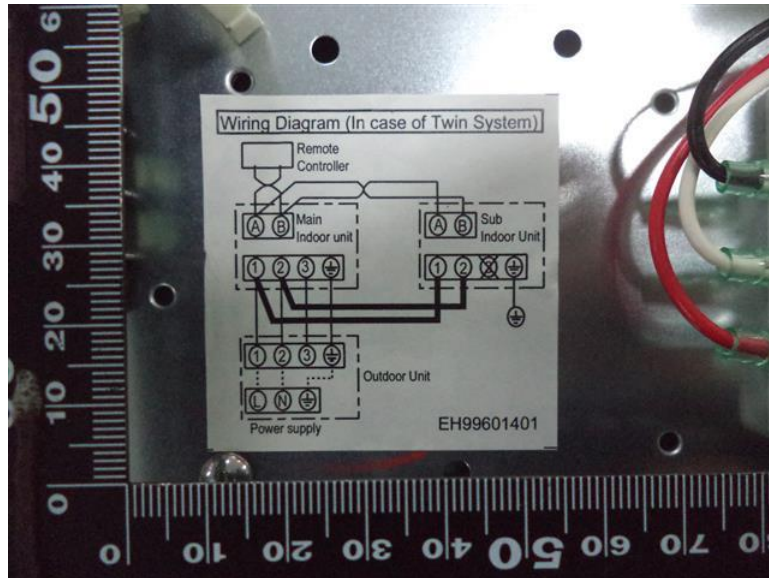
130. Wired remote controller, RBC-AMT32E



131. Wired remote controller, RBC-ASC11E

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Attachment 1 : Photographic documentation



132. Wiring diagram



133. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Isometric front view

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Attachment 1 : Photographic documentation



134. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Isometric rear view



135. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Front view

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136. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Rear view



137. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Right side view

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Attachment 1 : Photographic documentation



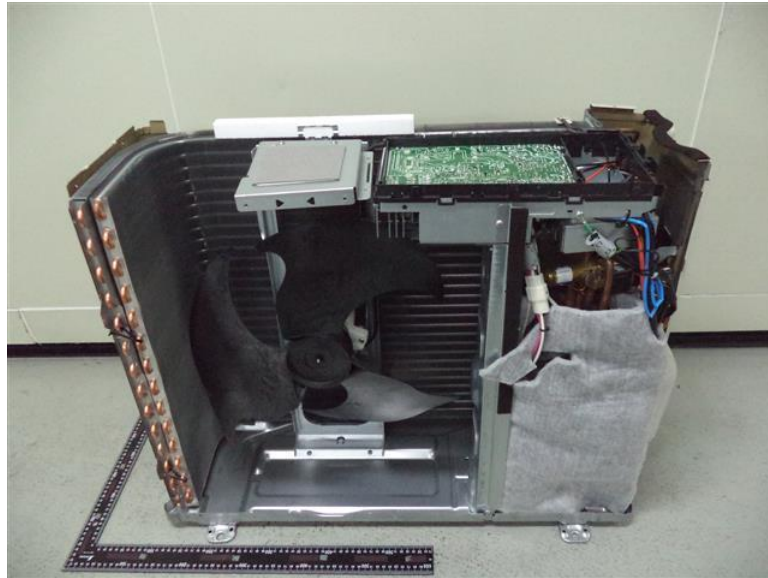
138. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Left side view



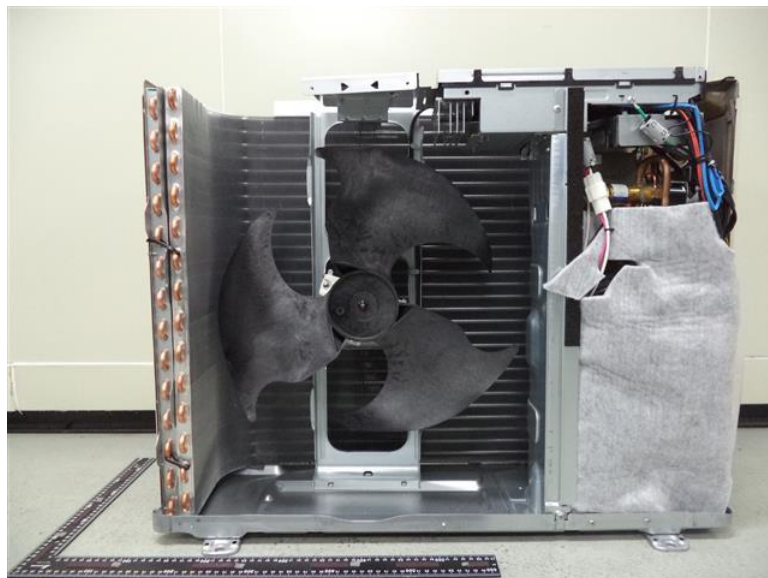
139. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Top view removed top cover

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Attachment 1 : Photographic documentation



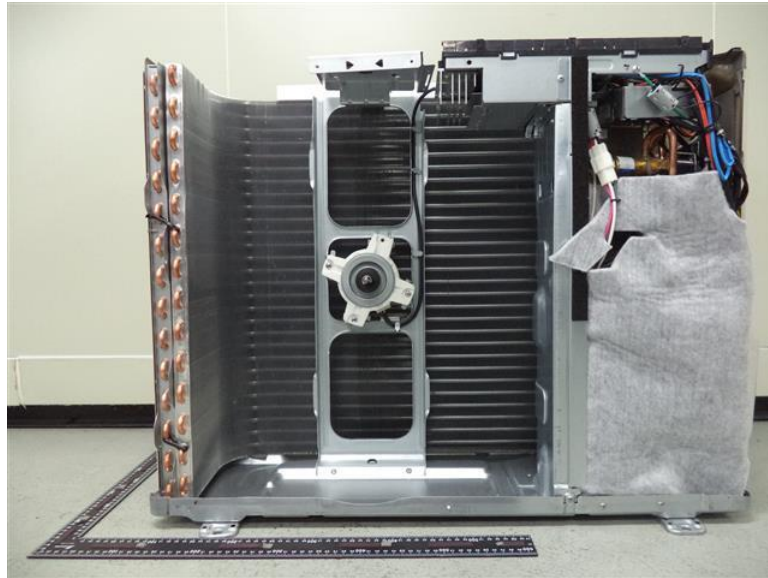
140. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Internal construction



141. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Internal view removed front cover

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Attachment 1 : Photographic documentation



142. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Internal view removed fan blade



143. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Main supply terminal and Terminal block for interconnecting cable and cord anchorage

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Attachment 1 : Photographic documentation



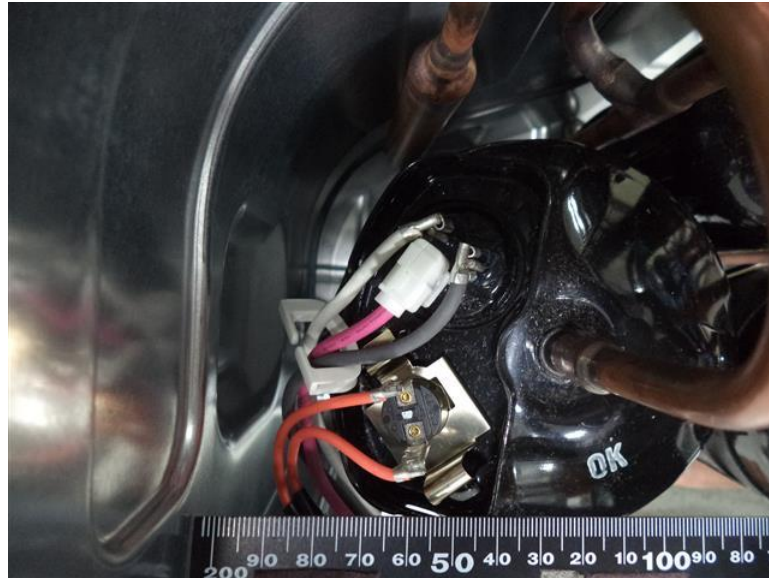
144. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Refrigerant connection and cord anchorage



145. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Motor compressor

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Attachment 1 : Photographic documentation



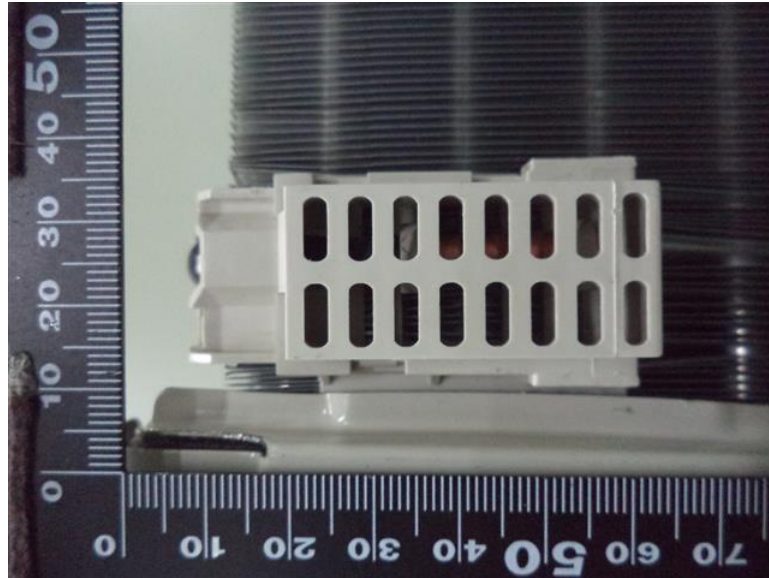
146. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Terminal of motor compressor and Bimetal Thermo



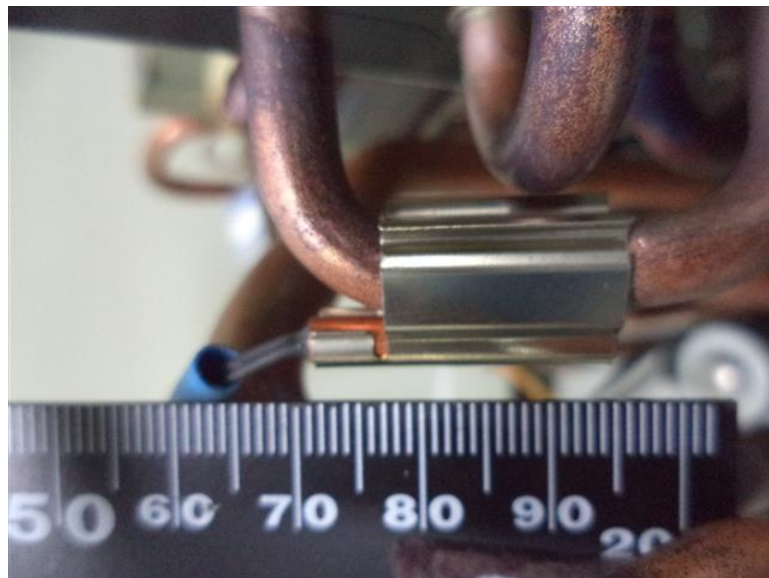
147. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Fan motor

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Attachment 1 : Photographic documentation



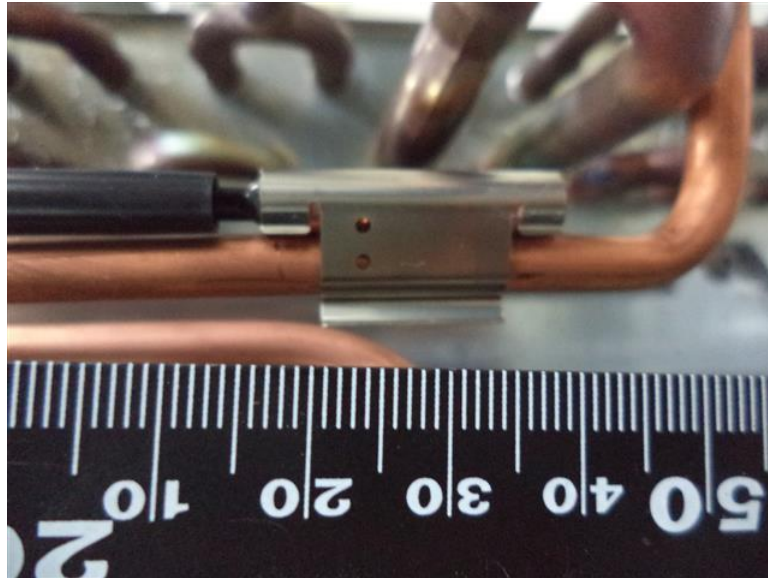
148. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Thermistor



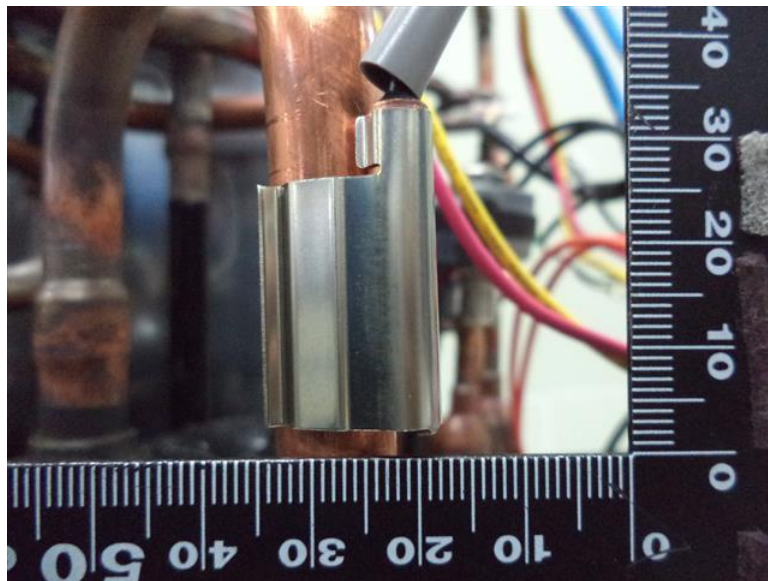
149. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Thermistor

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Attachment 1 : Photographic documentation



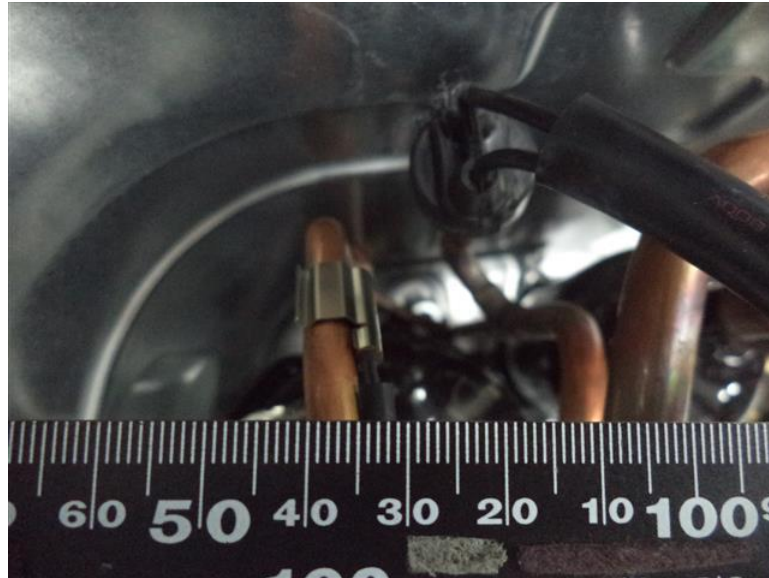
150. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Thermistor



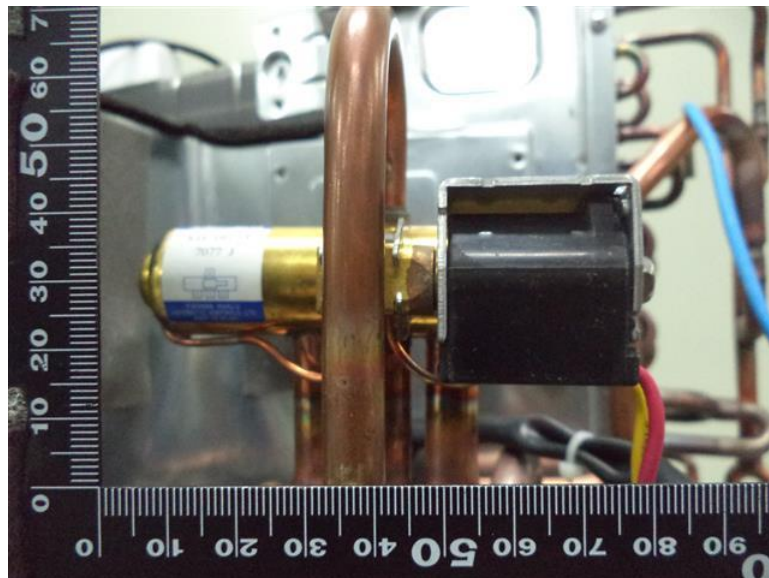
151. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Thermistor

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Attachment 1 : Photographic documentation



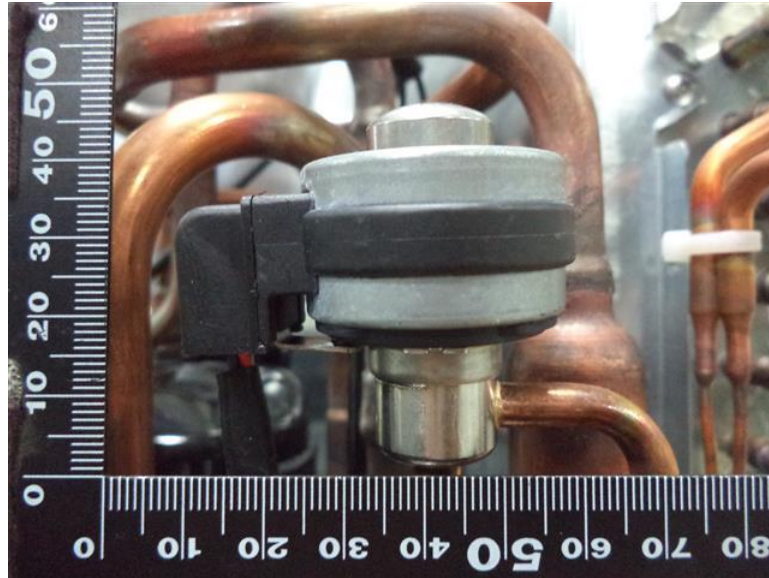
152. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Thermistor



153. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, 4-Way Valve Coil

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Attachment 1 : Photographic documentation



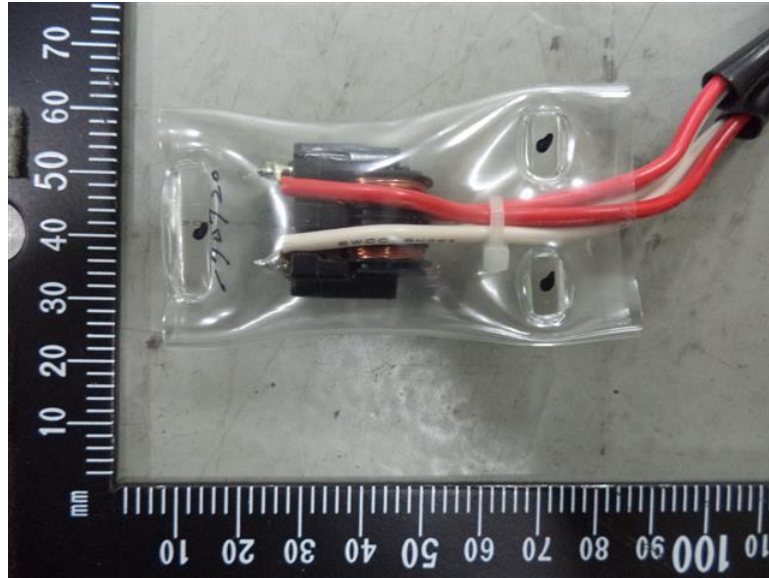
154. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, PMV Coil



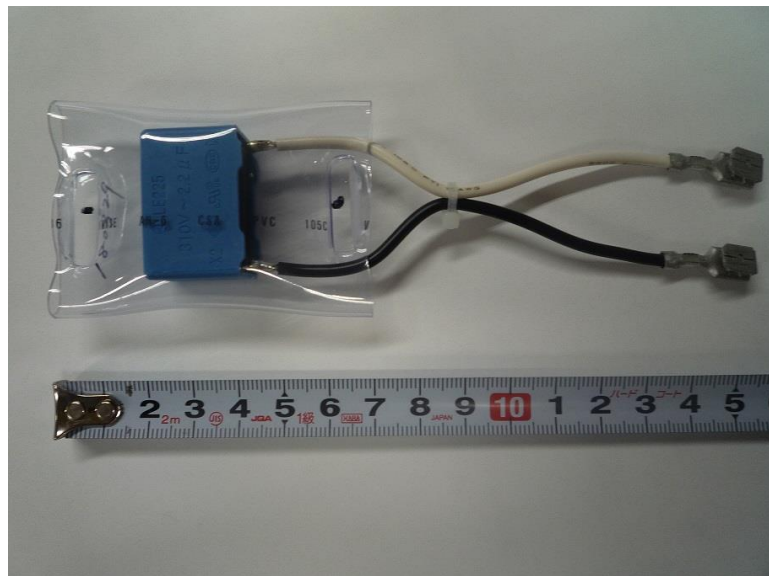
155. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Pressure Switch

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Attachment 1 : Photographic documentation



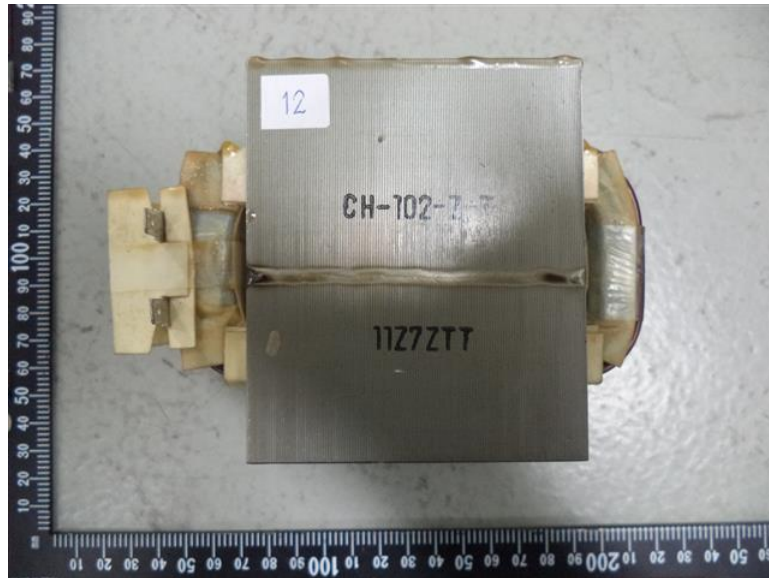
156. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Line Filter for Option TCB-PCOS1E2



157. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, X-Capacitor for Option TCB-PCOS1E2

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Attachment 1 : Photographic documentation



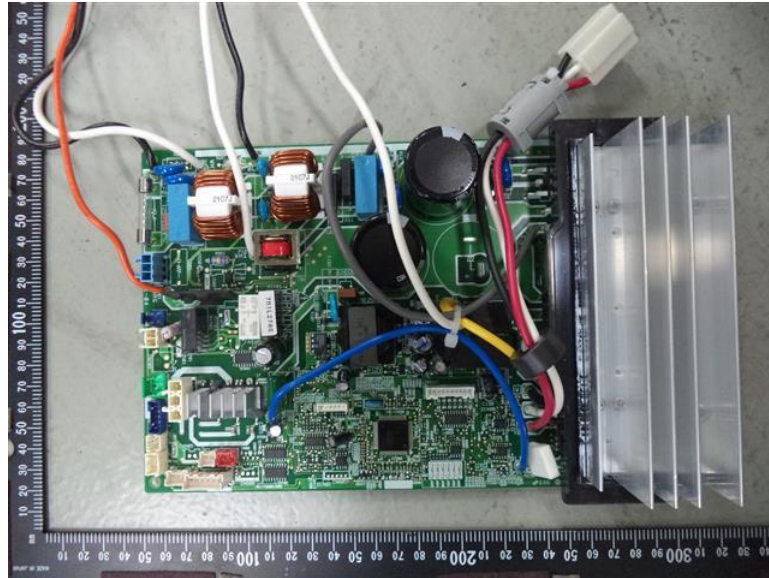
157. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Reactor



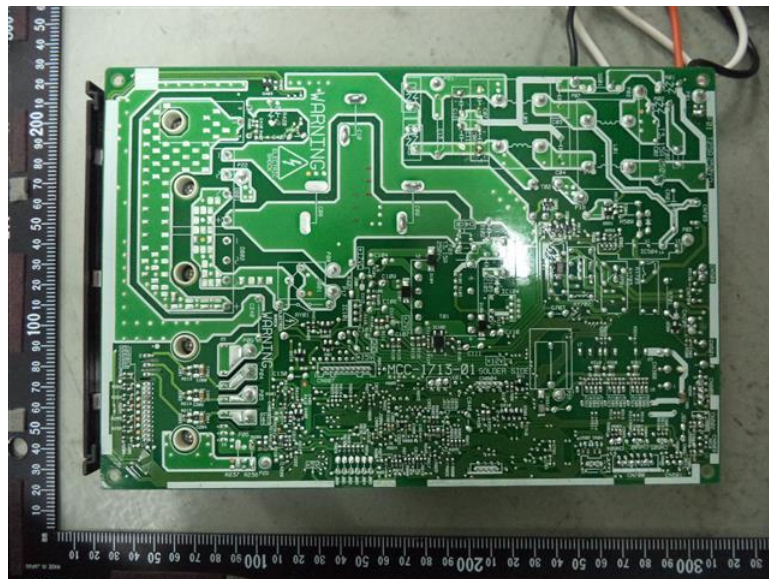
158. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, Transformer TT-02 for option TCB-PCOS1E2

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161. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, MCC-1713 component main P.C.B.



162. RAV-GP561ATP-E, RAV-GP561ATJP-E, RAV-GP561ATP-TR, MCC-1713 trace side main P.C.B.

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Attachment 1 : Photographic documentation



163. Supplementary tube



164. Warning symbol label ISO 7000-0790

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Attachment 1 : Photographic documentation



165. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Isometric front view



166. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Isometric rear view

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Attachment 1 : Photographic documentation



167. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Front view



168. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Rear view

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Attachment 1 : Photographic documentation



169. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Right side view



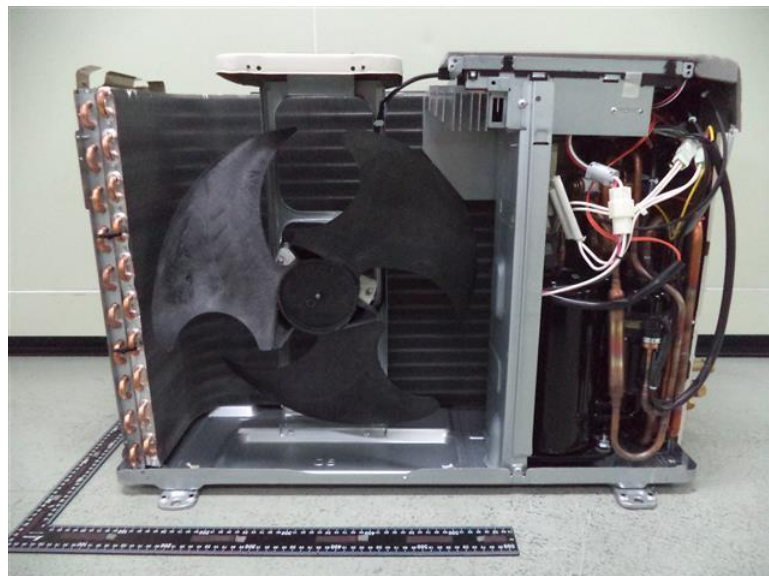
170. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Left side view

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Attachment 1 : Photographic documentation



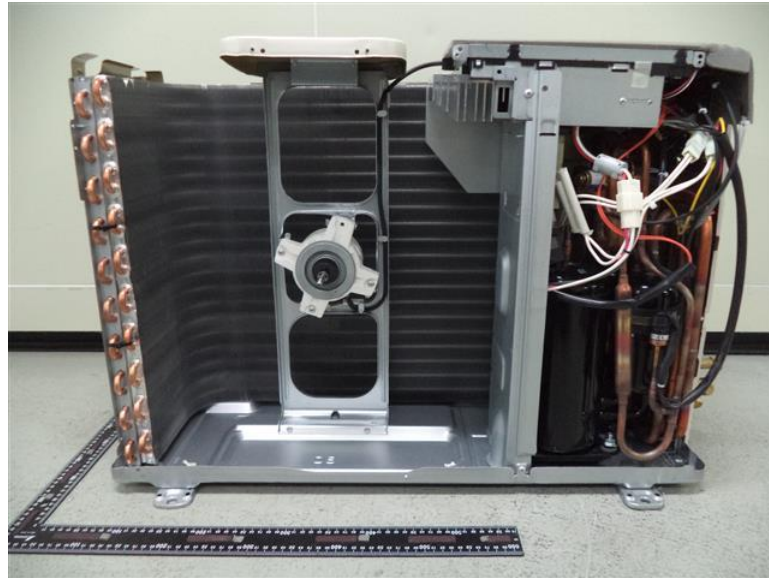
171. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Top view removed top cover



172. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Internal view removed front cover

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Attachment 1 : Photographic documentation



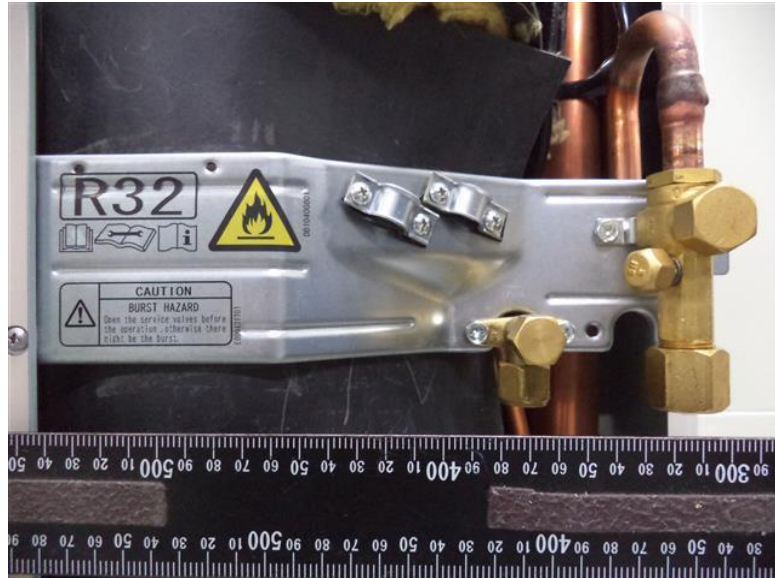
173. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Internal view removed fan blade



174. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Main supply terminal and Terminal block for interconnecting cable and cord anchorage

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Attachment 1 : Photographic documentation



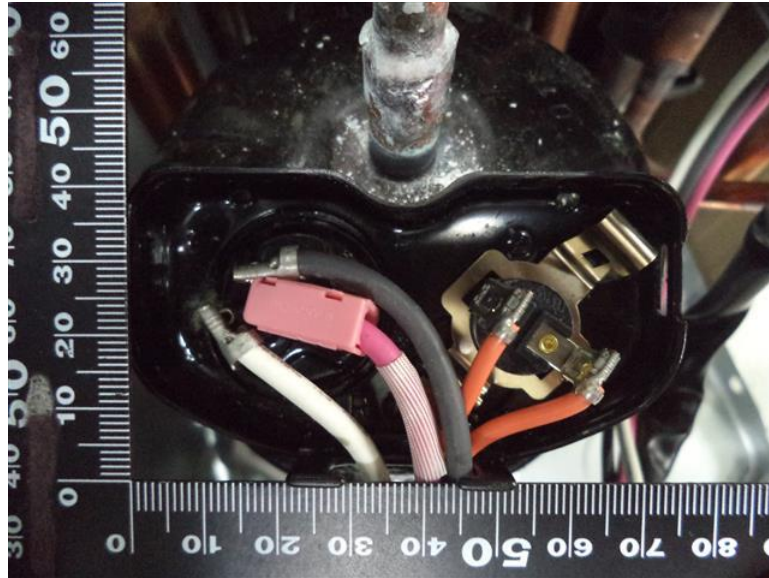
175. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Refrigerant connection and cord anchorage



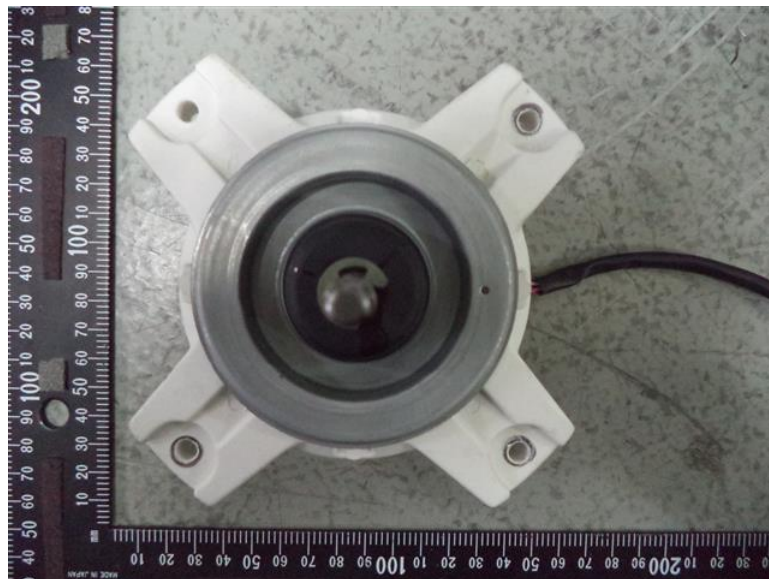
176. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Motor compressor

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Attachment 1 : Photographic documentation



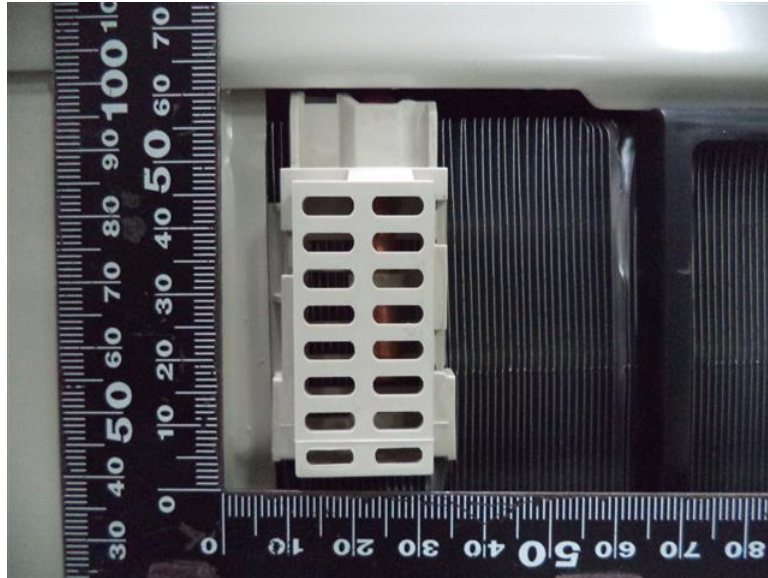
177. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Terminal of motor compressor and Bimetal Thermo



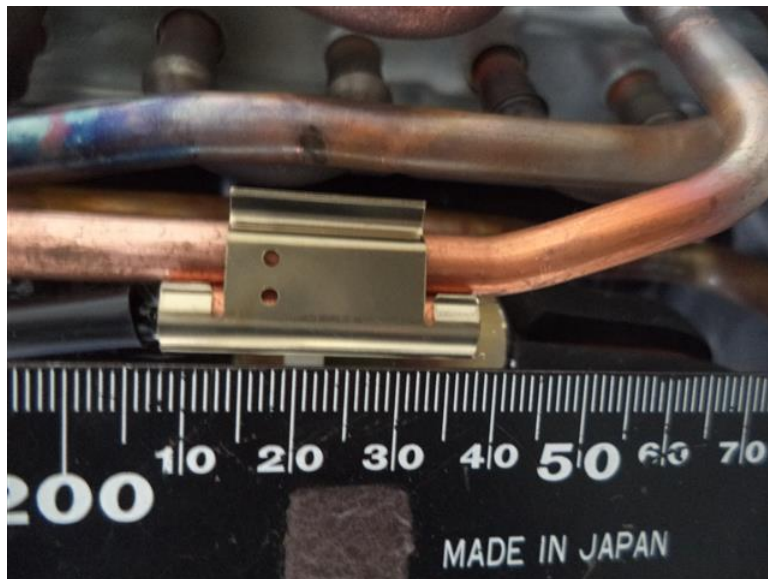
178. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Fan motor

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179. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Thermistor



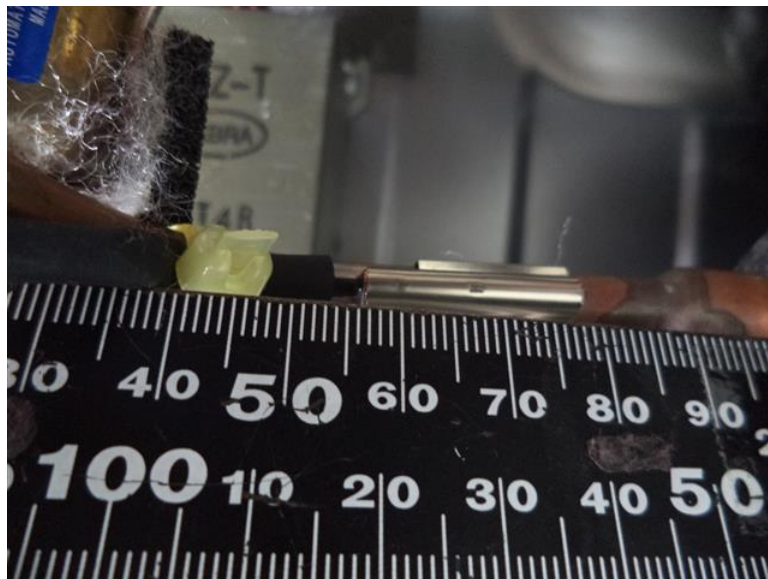
180. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Thermistor

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Attachment 1 : Photographic documentation



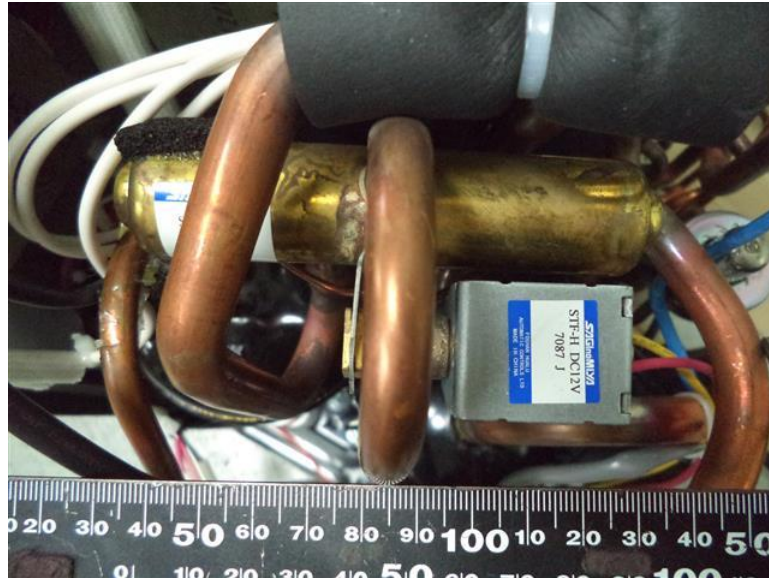
181. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Thermistor



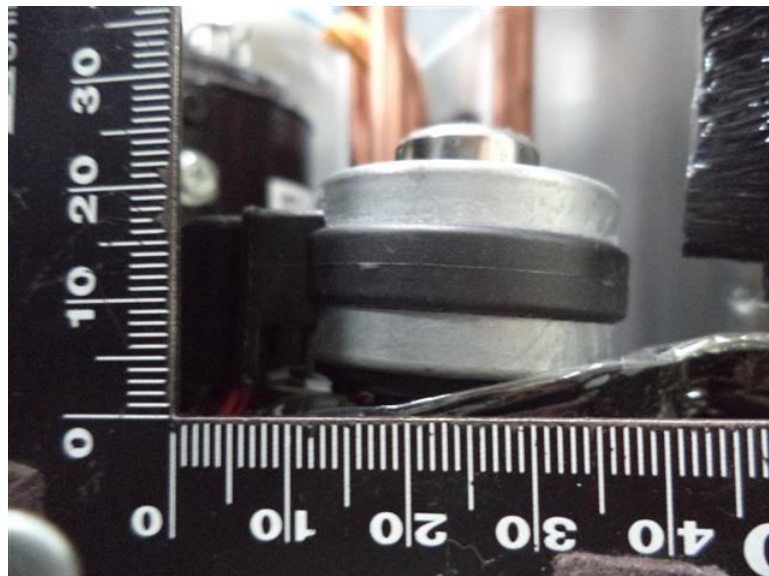
182. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Thermistor

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Attachment 1 : Photographic documentation



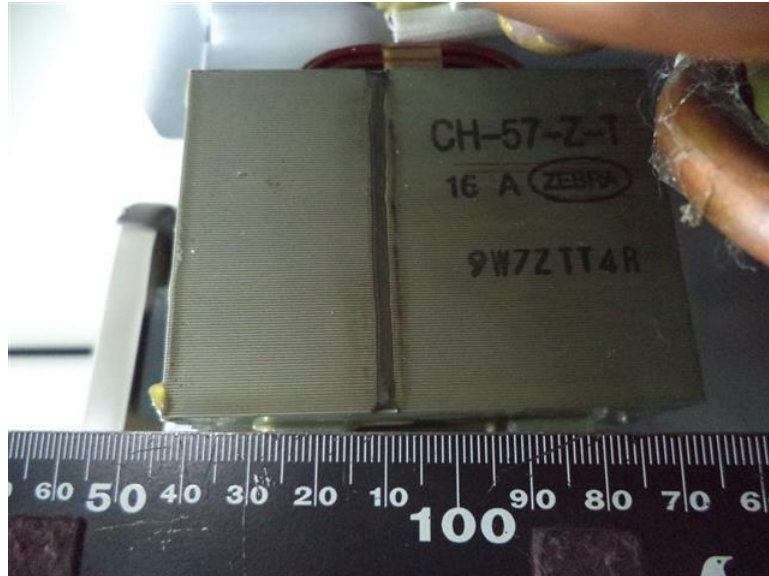
183. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, 4-Way Valve Coil



184. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, PMV Coil

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Attachment 1 : Photographic documentation



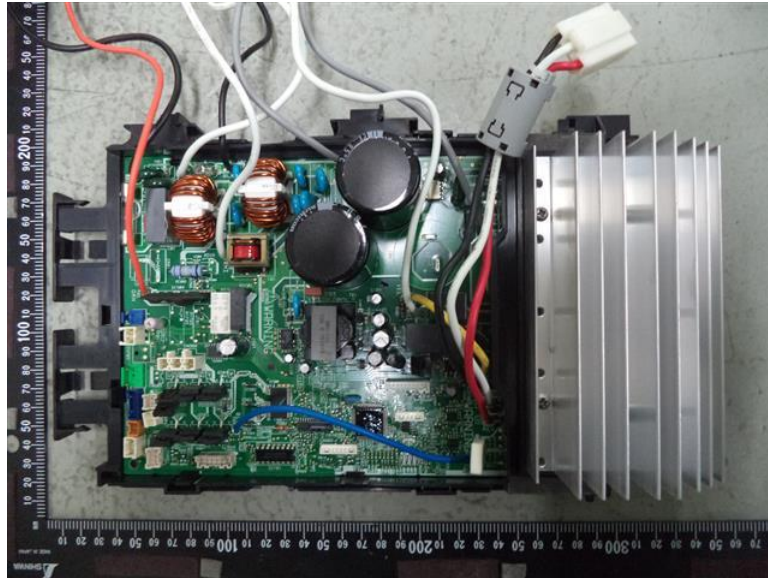
185. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Reactor



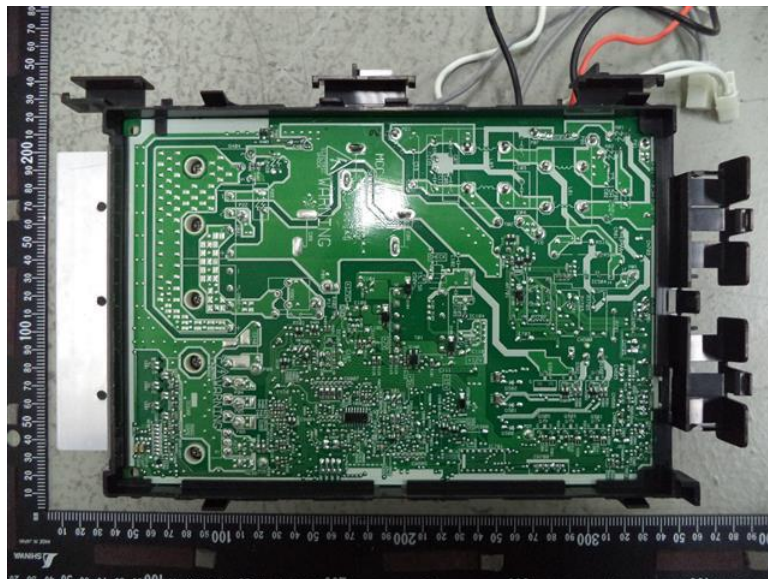
186. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Pressure switch

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Attachment 1 : Photographic documentation



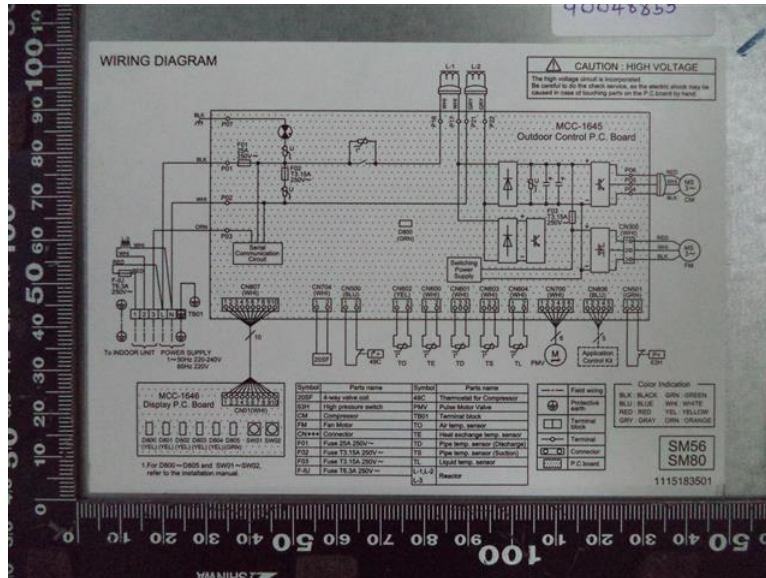
187. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, MCC-1645 component main P.C.B.



188. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, MCC-1645 trace side main P.C.B.

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189. RAV-GM561ATP-E, RAV-GM561ATJP-E, RAV-GM561ATP-TR, RAV-GM801ATP-E, RAV-GM801ATJP-E, RAV-GM801ATP-TR, Wiring diagram



190. Supplementary tube

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191. Warning symbol label ISO 7000-0790



192. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Isometric front view

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Attachment 1 : Photographic documentation



193. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Isometric top view



194. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Front view

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195. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Rear view



196. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Rear view removed mounting plate

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Attachment 1 : Photographic documentation



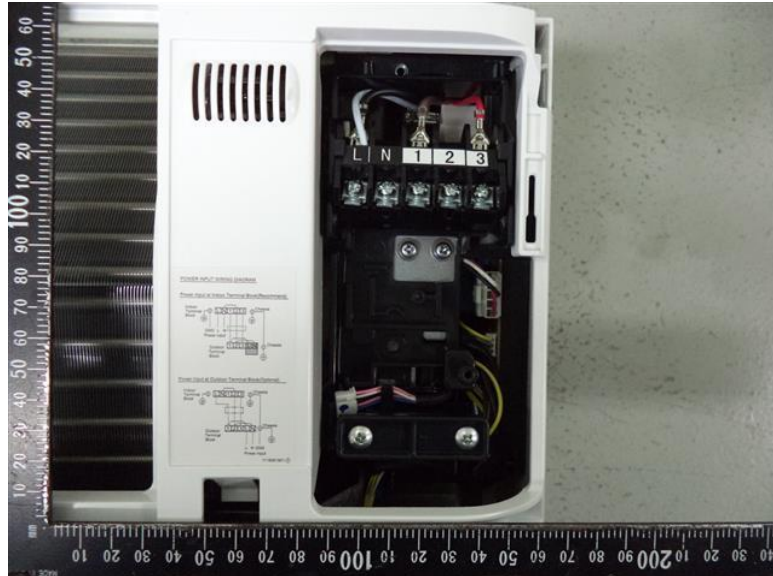
197. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Filter



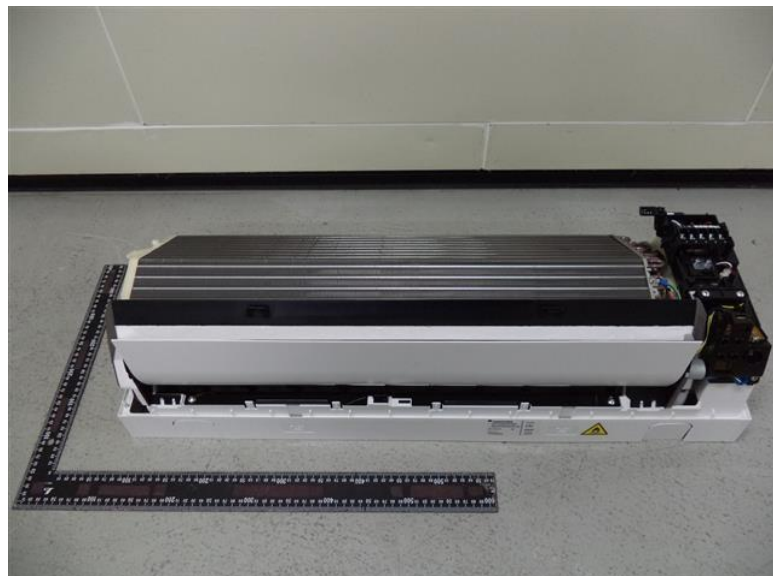
198. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Front view removed front cover and filter

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Attachment 1 : Photographic documentation



199. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Terminal supply, interconnecting terminal and cord anchorage



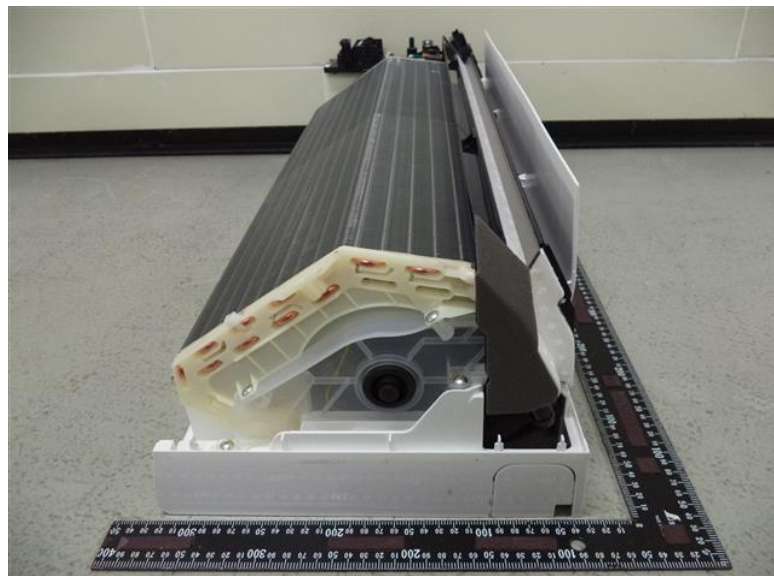
200. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Internal construction

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Attachment 1 : Photographic documentation



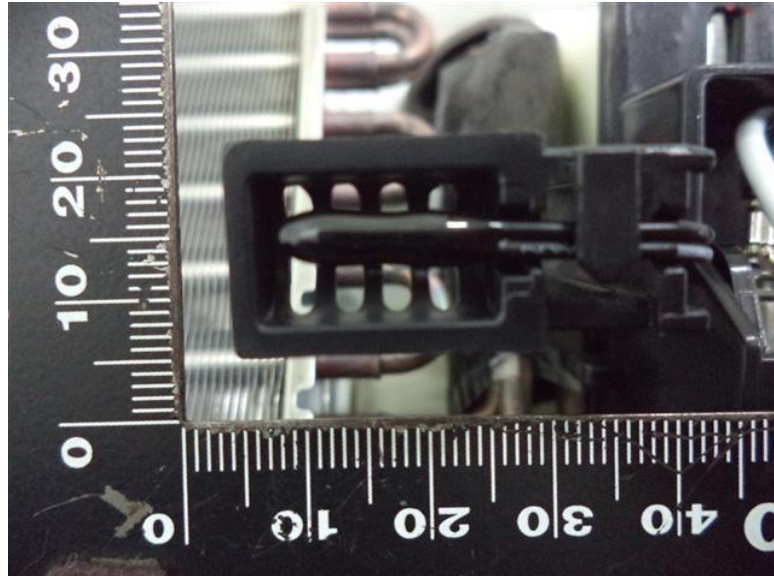
201. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Internal right view



202. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Internal left view

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Attachment 1 : Photographic documentation



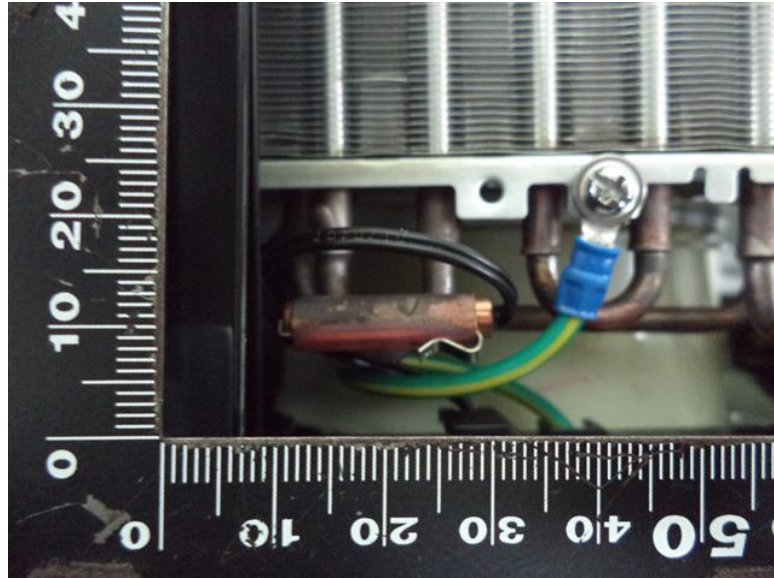
203. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Thermistor



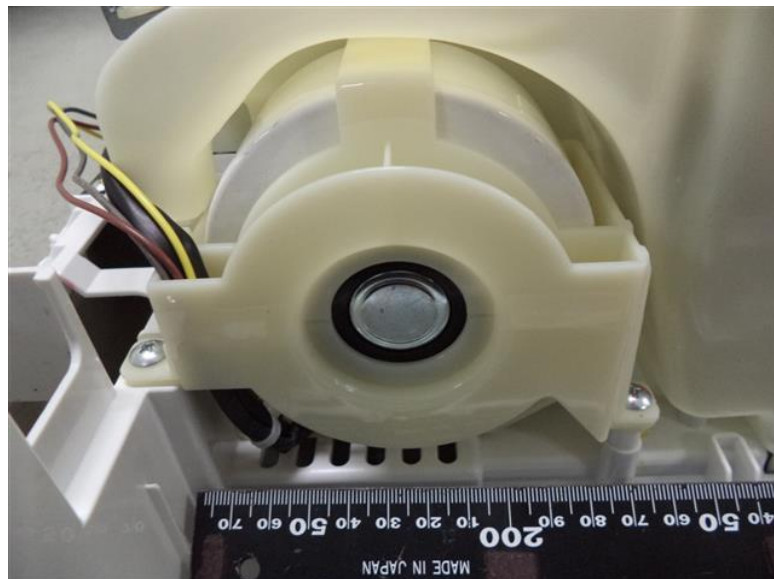
204. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
receiver and display

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Attachment 1 : Photographic documentation



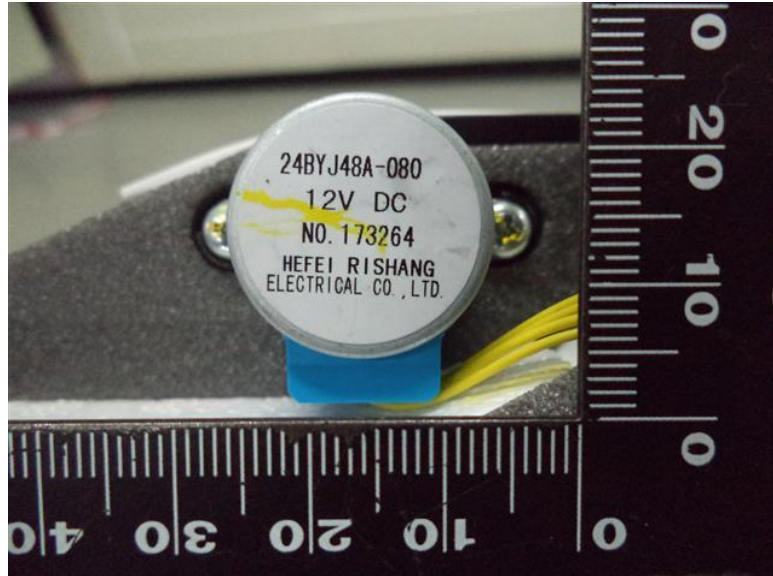
205. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Thermistor and earth connection



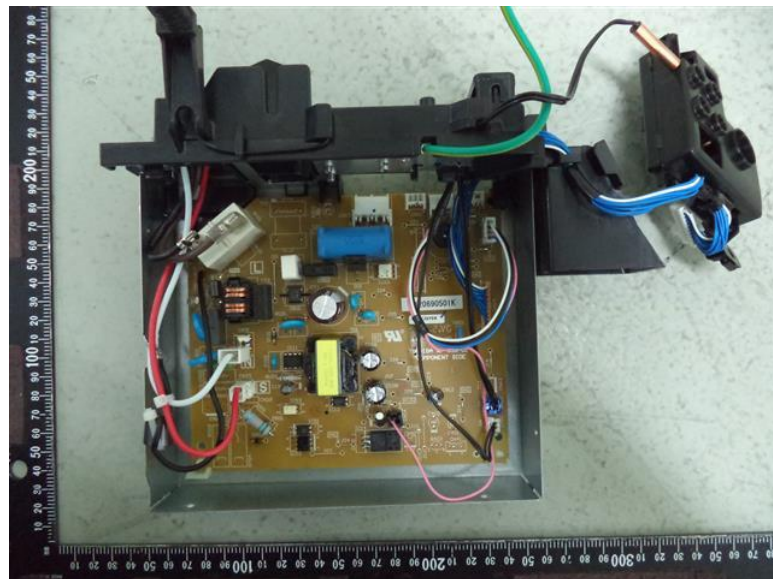
206. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Indoor fan motor

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Attachment 1 : Photographic documentation



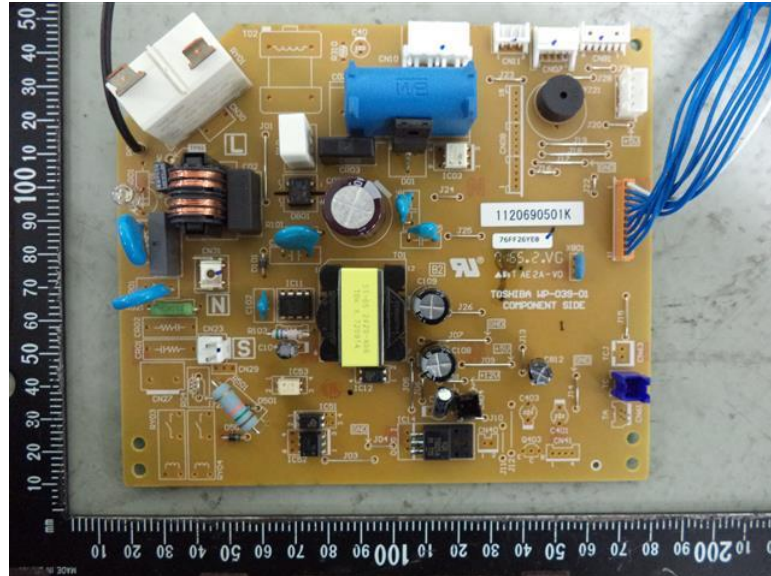
207. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Louver motor (Vertical)



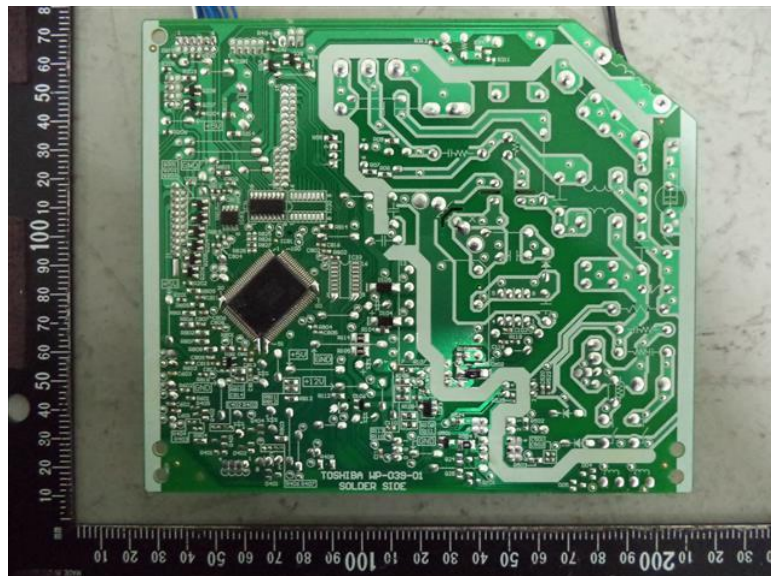
208. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Electrical control

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Attachment 1 : Photographic documentation



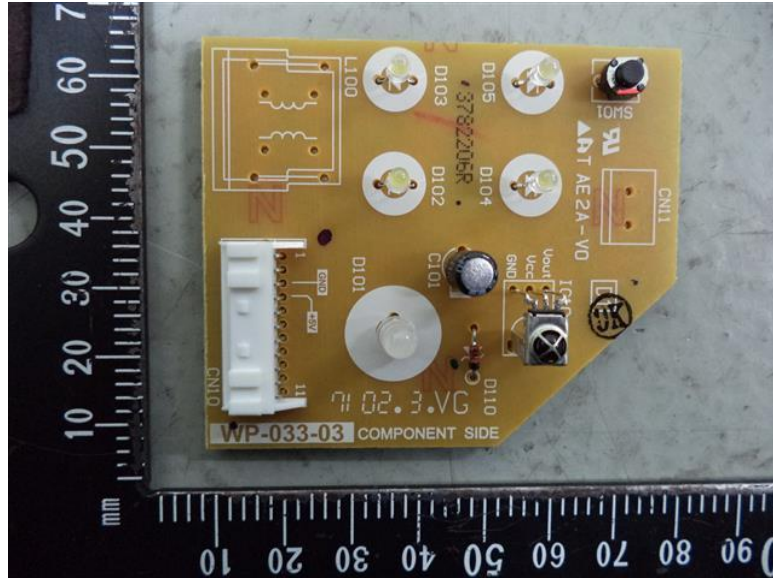
209. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Main PCB component side



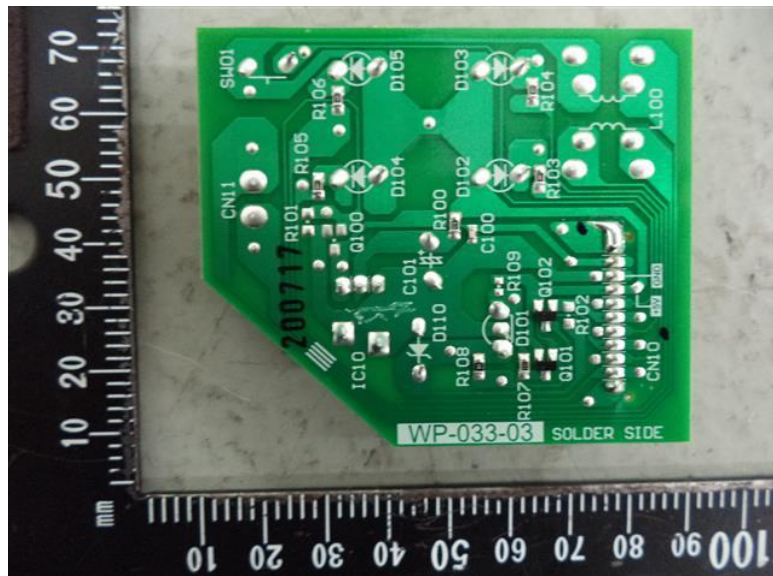
210. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR,
Main PCB soldering side

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Attachment 1 : Photographic documentation



211. RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR, Receiver board component side



RAV-RM301KRTP-E, RAV-RM301KRTP-TR, RAV-RM401KRTP-E, RAV-RM401KRTP-TR, Receiver board solder side

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212. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Isometric front view



213. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Isometric top view

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Attachment 1 : Photographic documentation



214. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Front view



215. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Rear view

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Attachment 1 : Photographic documentation



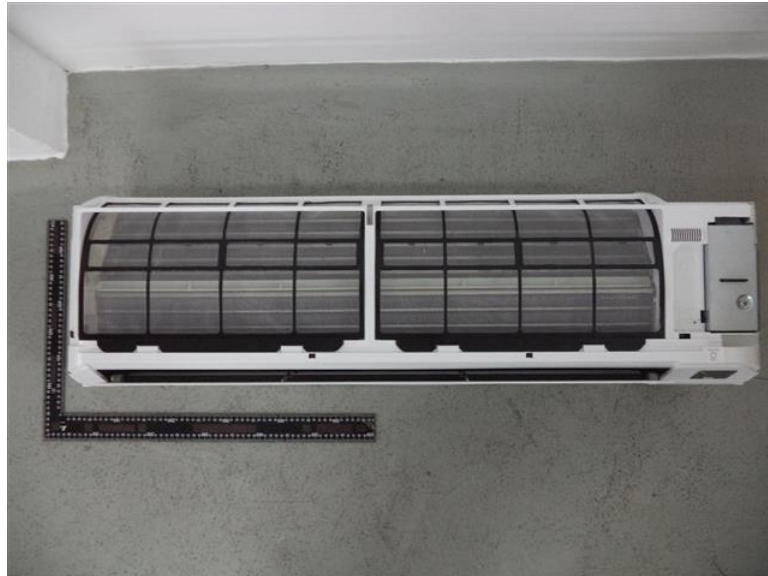
216. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Rear view removed mounting plate



217. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Filter

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Attachment 1 : Photographic documentation



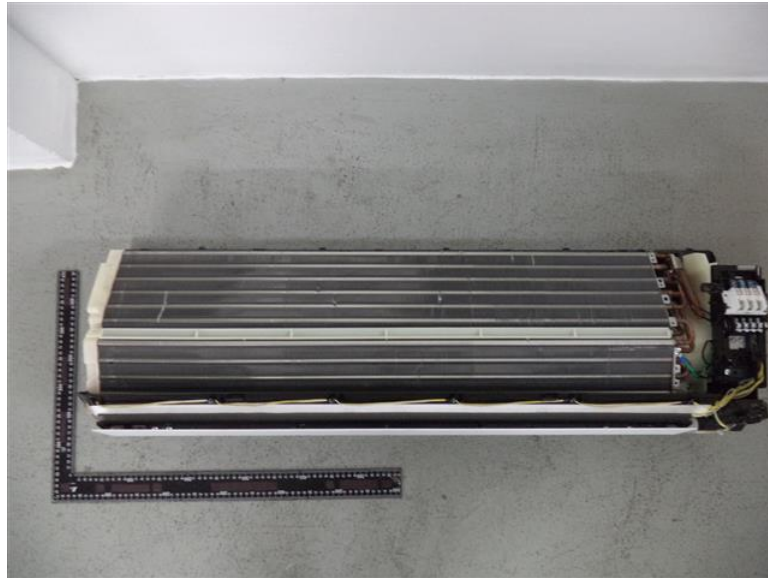
218. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Front view removed front cover and filter



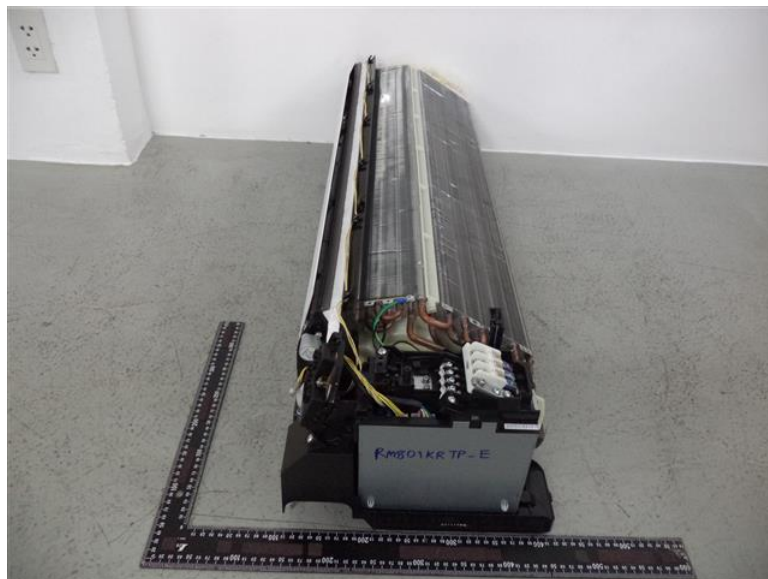
219. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Terminal supply, interconnecting terminal and cord anchorage

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Attachment 1 : Photographic documentation



220. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Internal construction



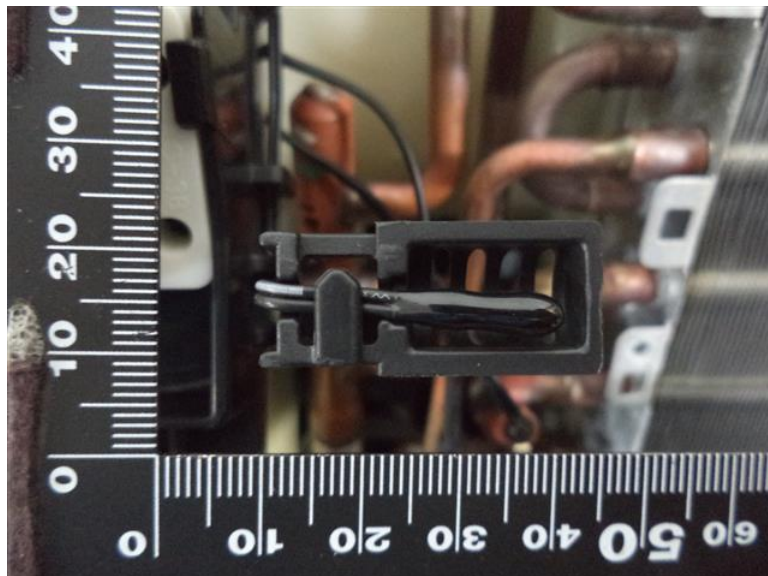
221. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Internal right view

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Attachment 1 : Photographic documentation



222. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Internal left view



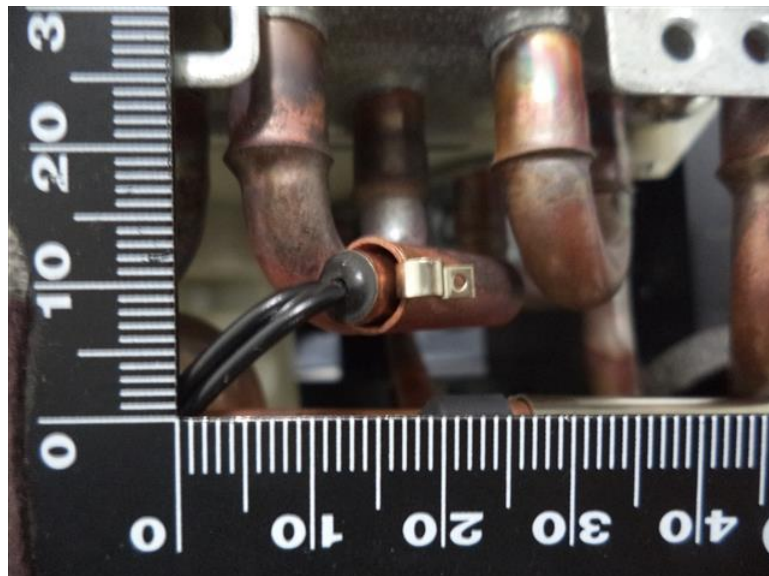
223. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Thermistor

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Attachment 1 : Photographic documentation



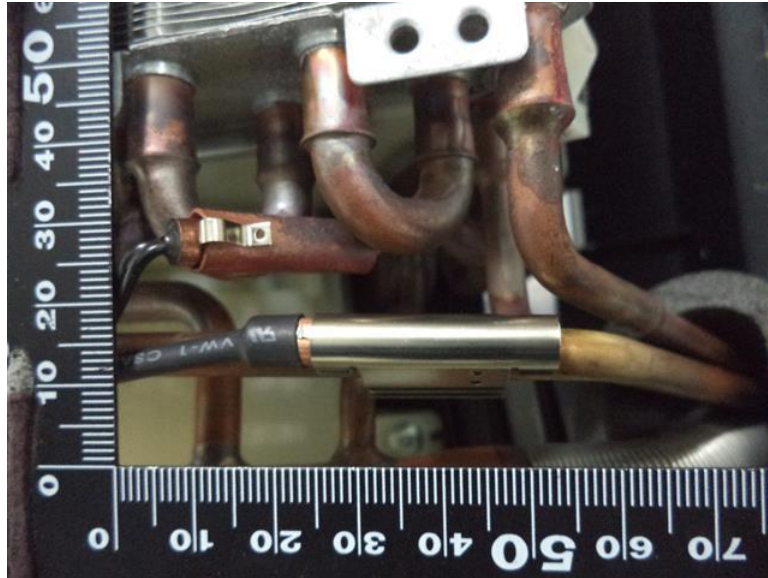
224. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR, receiver and display



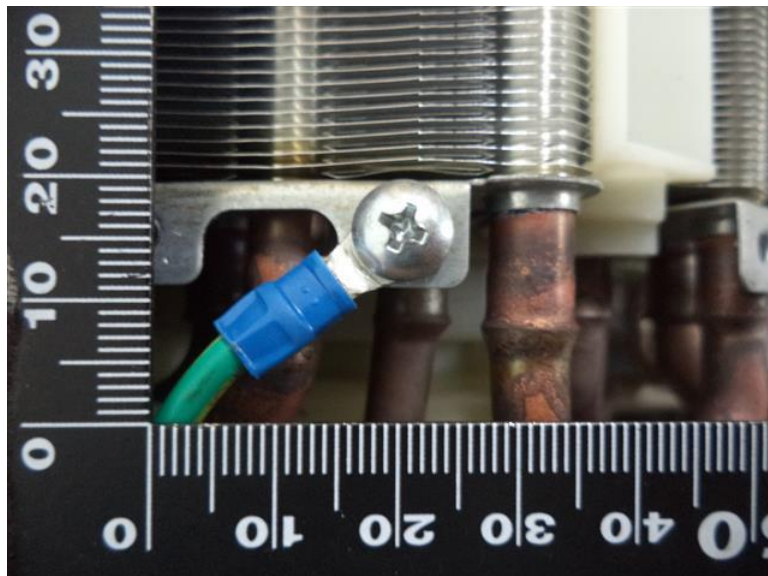
225. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR, Thermistor

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Attachment 1 : Photographic documentation



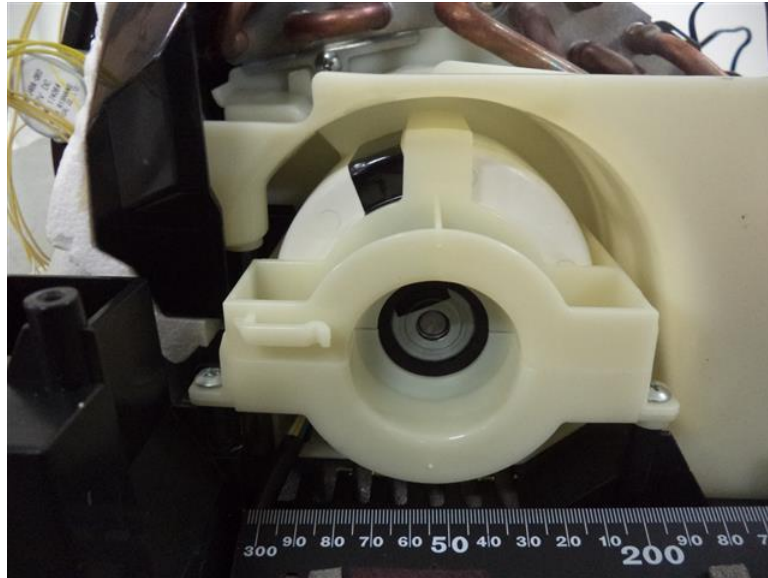
226. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Thermistor



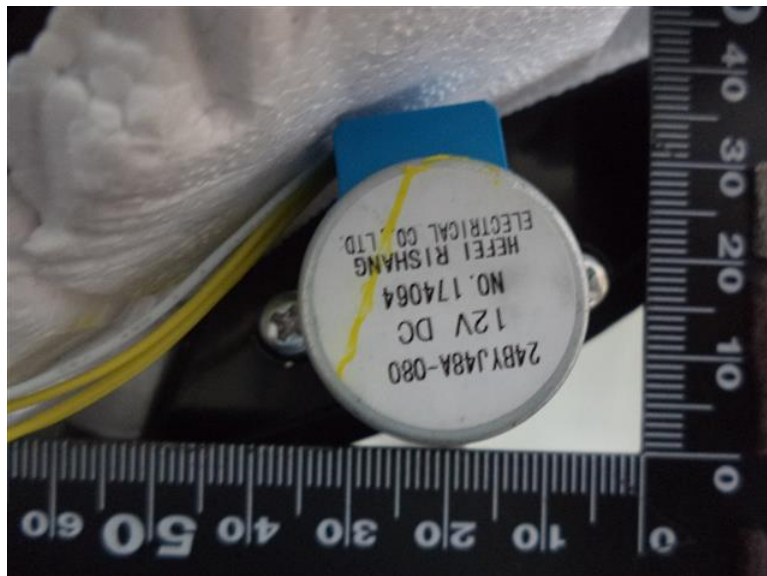
227. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Earth connection

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Attachment 1 : Photographic documentation



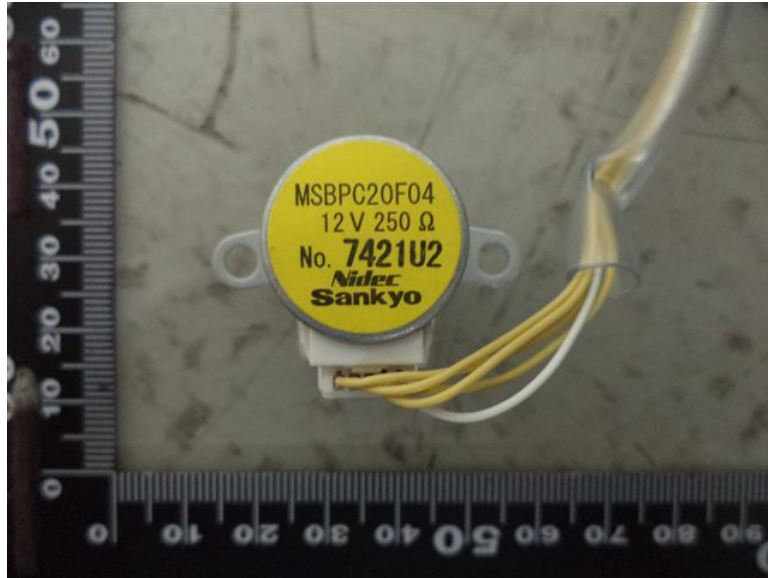
228. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Indoor fan motor



229. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Louver motor (Vertical)

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Attachment 1 : Photographic documentation



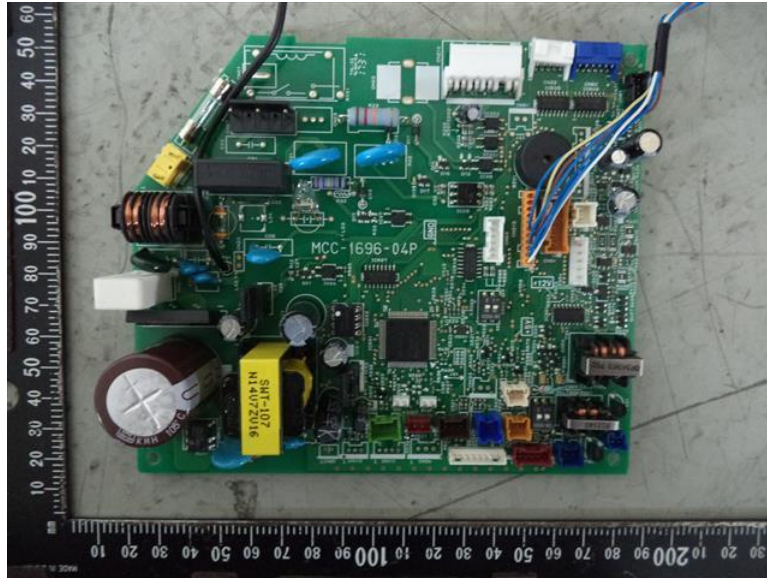
230. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Louver motor(Horizontal)



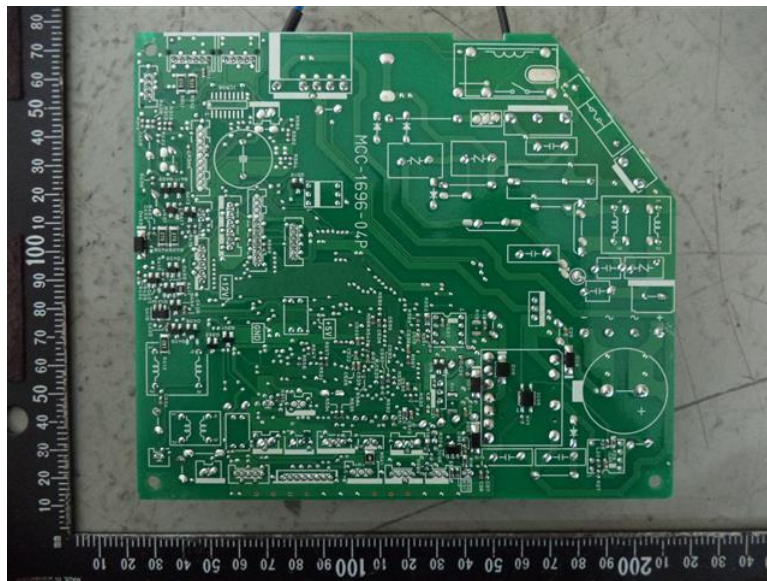
231. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Electrical control

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Attachment 1 : Photographic documentation



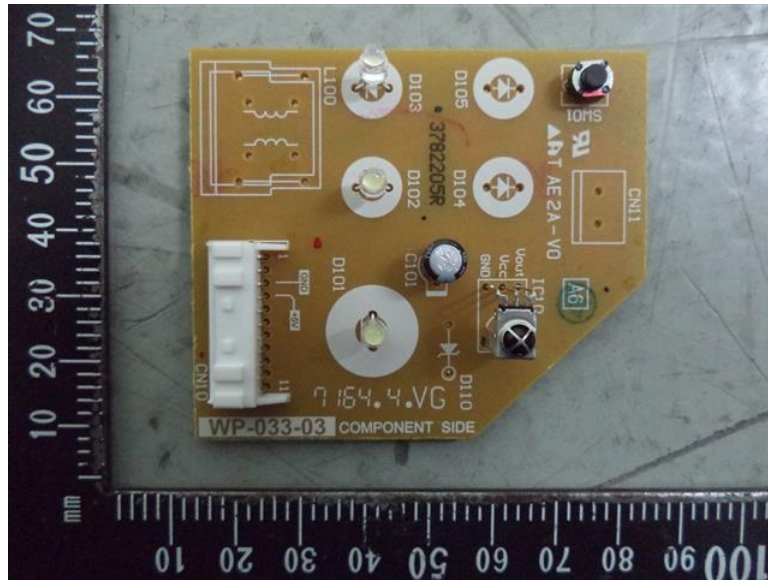
232. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Main PCB component side



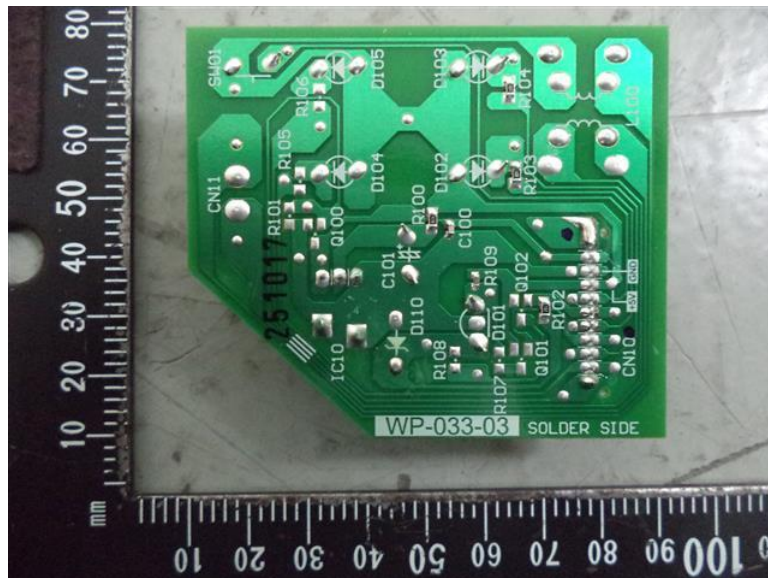
233. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Main PCB soldering side

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234. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Receiver board component side



235. RAV-RM561KRTP-E, RAV-RM561KRTP-TR, RAV-RM801KRTP-E, RAV-RM801KRTP-TR,
Receiver board solder side

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236. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Isometric front view



237. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Isometric rear view

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238. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Front view



239. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Rear view

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240. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Right side view



241. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Left side view

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Attachment 1 : Photographic documentation



242. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Top view removed top cover



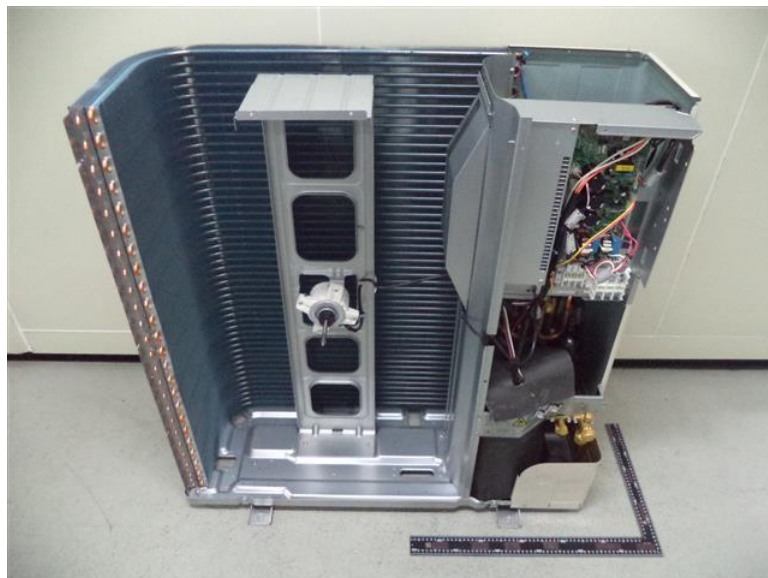
243. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Internal construction

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Attachment 1 : Photographic documentation



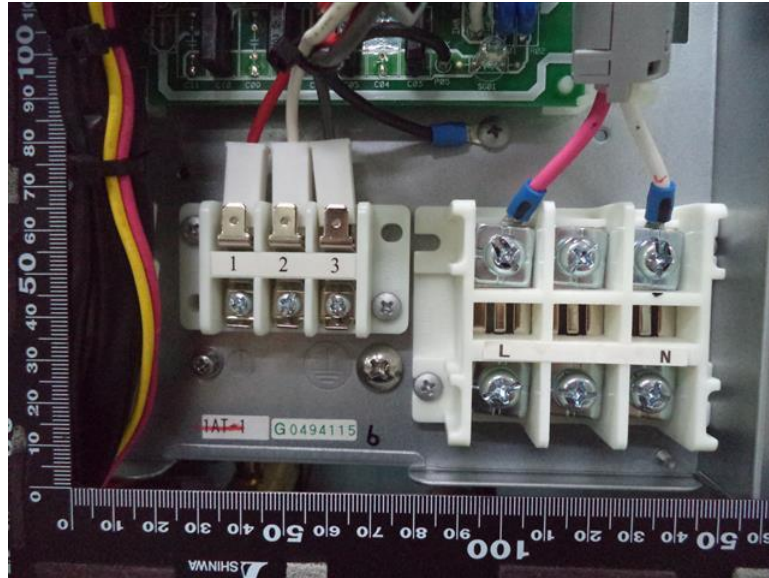
244. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Internal view removed front cover



245. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Internal view removed fan blade

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246. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Main supply terminal and Terminal block for interconnecting cable



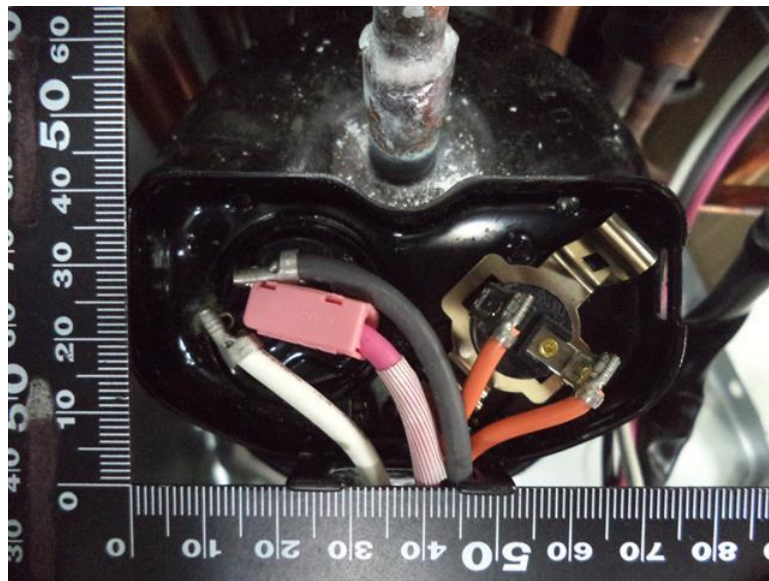
247. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Refrigerant connection and cord anchorage

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Attachment 1 : Photographic documentation



248. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Motor compressor



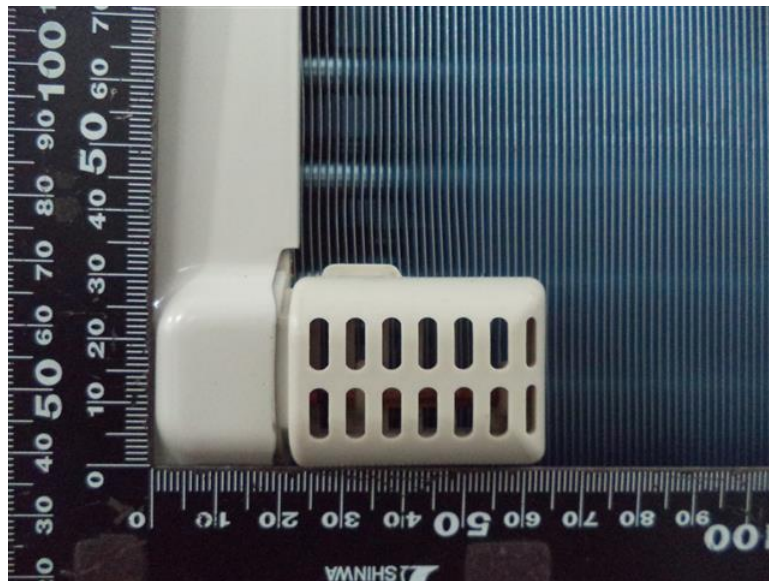
249. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Terminal of motor compressor and Bimetal Thermo

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Attachment 1 : Photographic documentation



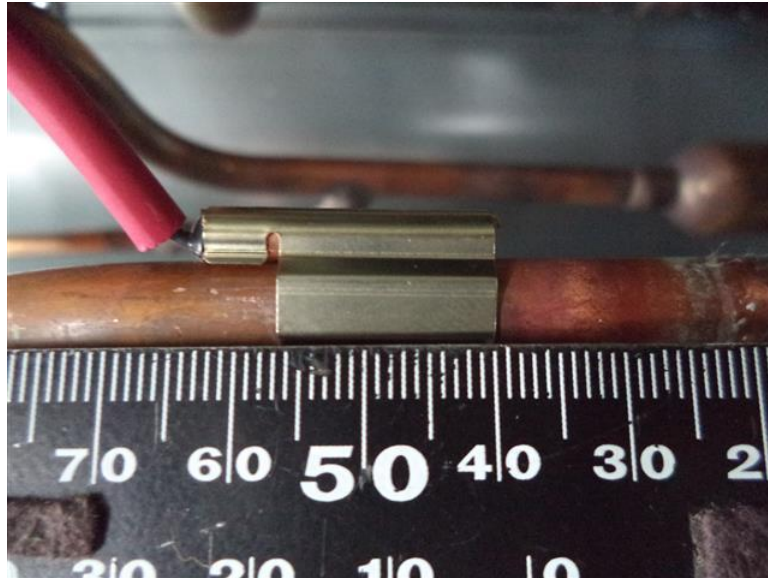
250. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Fan motor



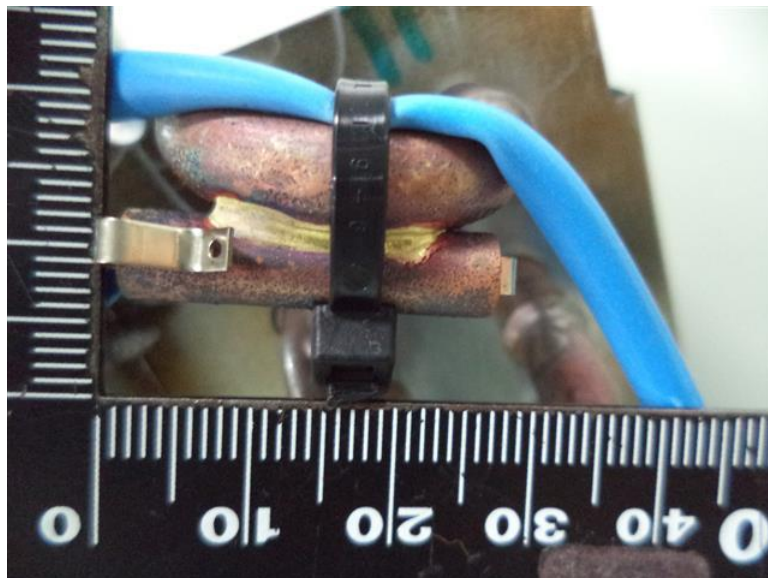
251. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Thermistor

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Attachment 1 : Photographic documentation



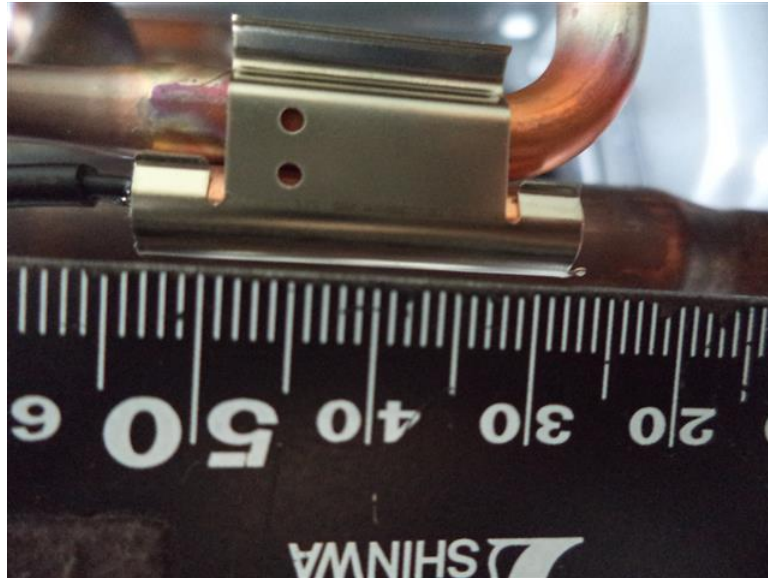
252. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Thermistor



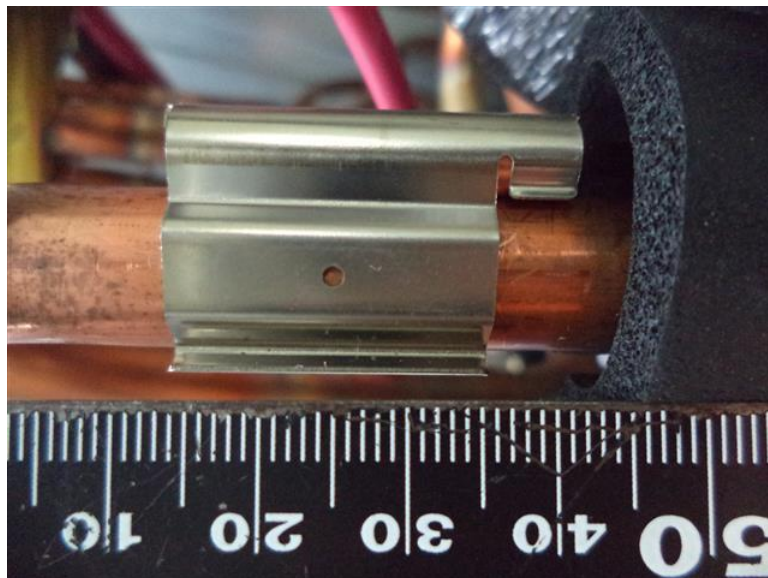
253. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Thermistor

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Attachment 1 : Photographic documentation



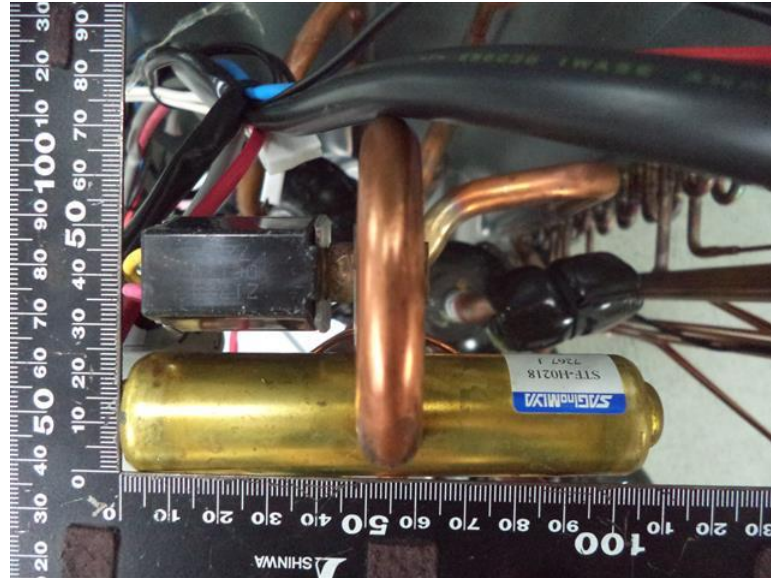
254. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Thermistor



255. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Thermistor

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Attachment 1 : Photographic documentation



256. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, 4-Way Valve Coil



257. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, PMV Coil

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Attachment 1 : Photographic documentation



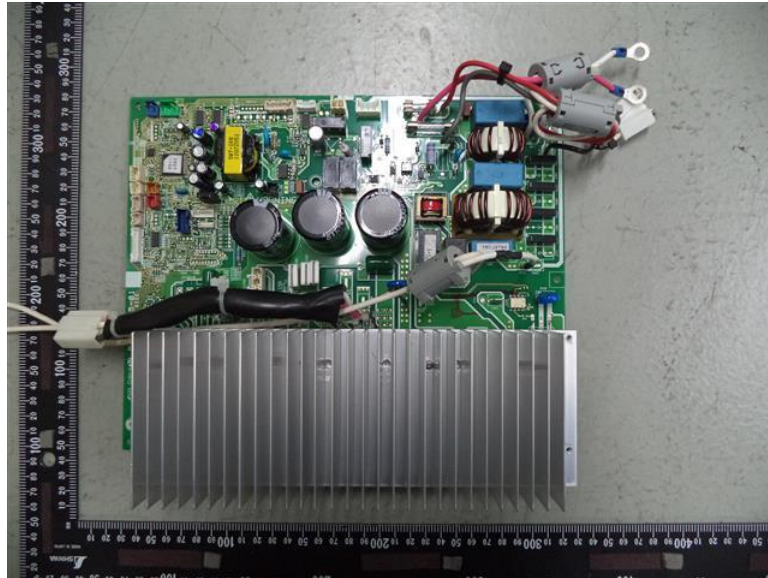
258. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Reactor



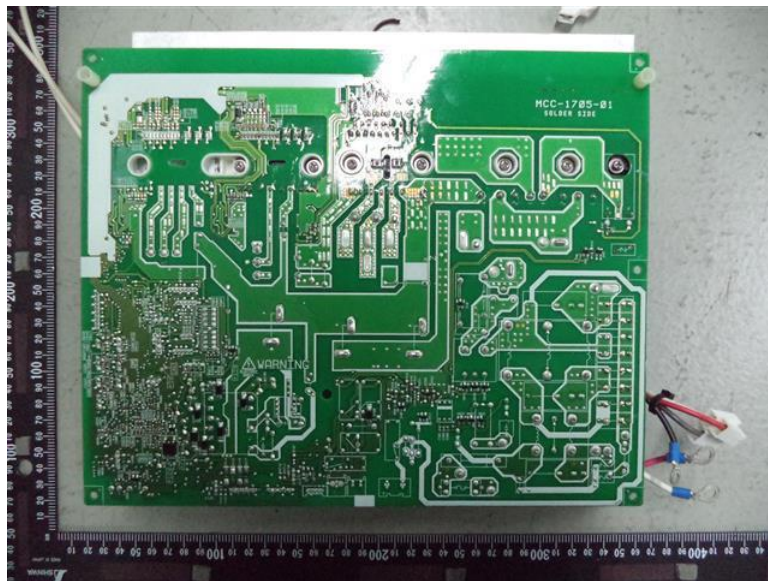
259. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, Pressure switch

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Attachment 1 : Photographic documentation



260. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, MCC-1705 component main P.C.B.



261. RAV-GP801AT-E, RAV-GP801ATJ-E, RAV-GP801AT-TR, MCC-1705 trace side main P.C.B.

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Attachment 1 : Photographic documentation



262. Supplementary tube



263. Warning symbol label ISO 7000-0790

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Attachment 1 : Photographic documentation



264. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Isometric front view



265. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Isometric rear view

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Attachment 1 : Photographic documentation



266. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Front view



267. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Rear view

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Attachment 1 : Photographic documentation



268. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Right side view



269. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Left side view

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Attachment 1 : Photographic documentation



270. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Top view removed top cover



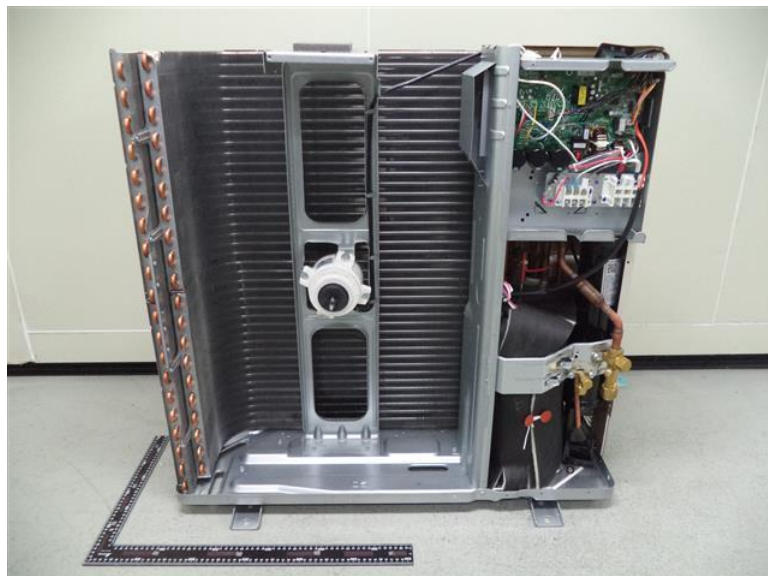
271. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Internal construction

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Attachment 1 : Photographic documentation



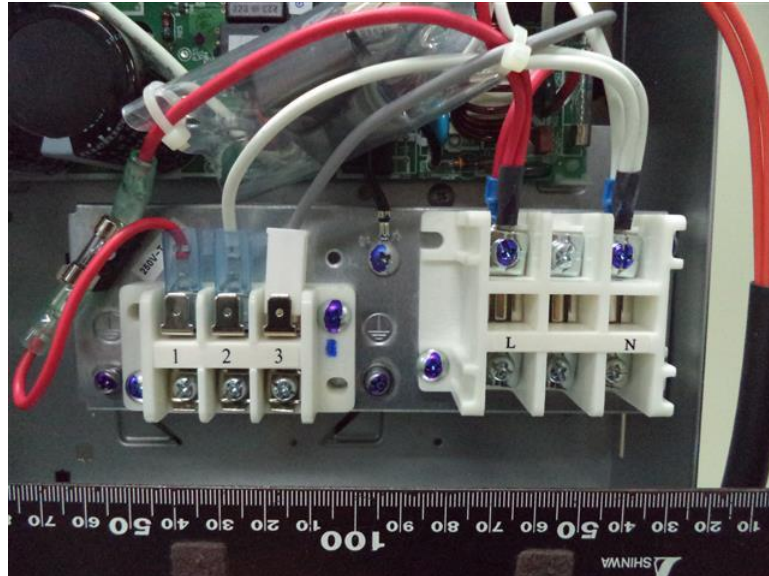
272. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Internal view removed front cover



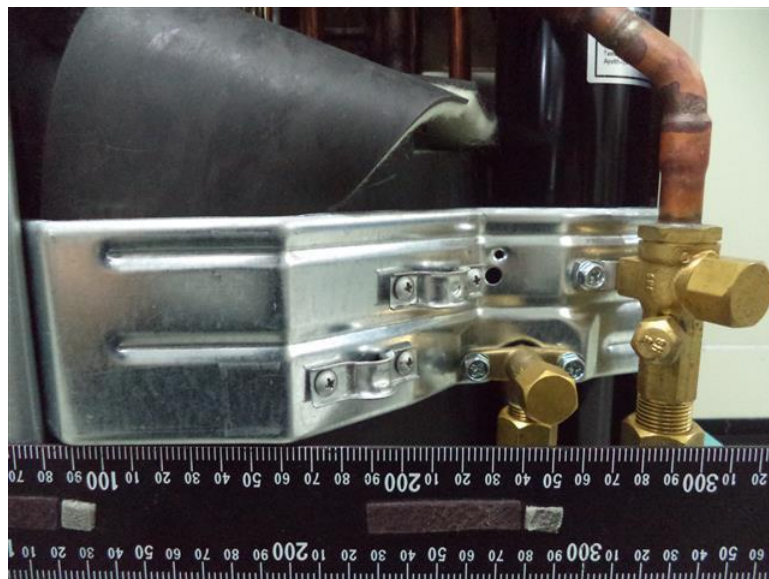
273. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Internal view removed fan blade

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Attachment 1 : Photographic documentation



274. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Main supply terminal and Terminal block for interconnecting cable, Transformer TT-02



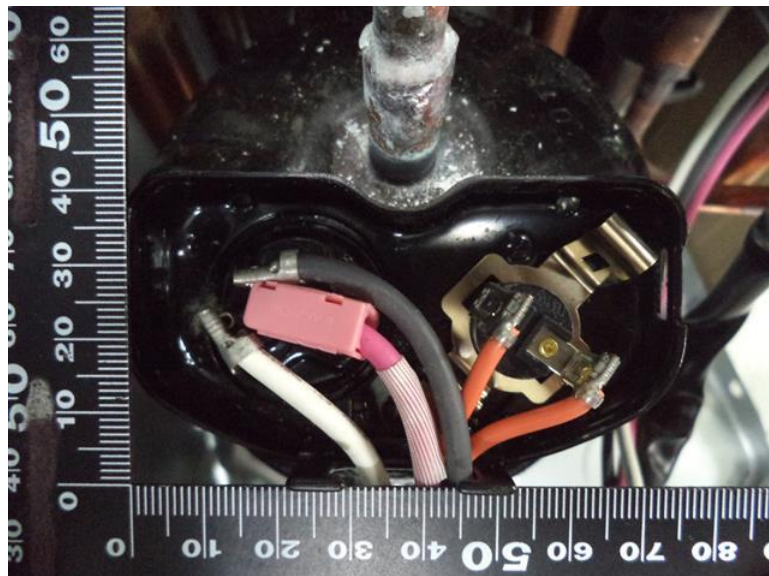
275. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Refrigerant connection and cord anchorage

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Attachment 1 : Photographic documentation



276. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Motor compressor



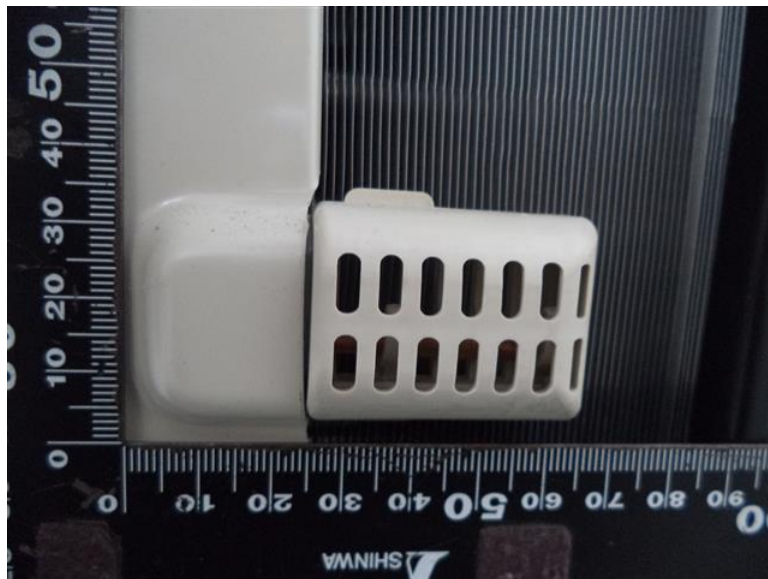
277. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Terminal of motor compressor and Bimetal Thermo

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Attachment 1 : Photographic documentation



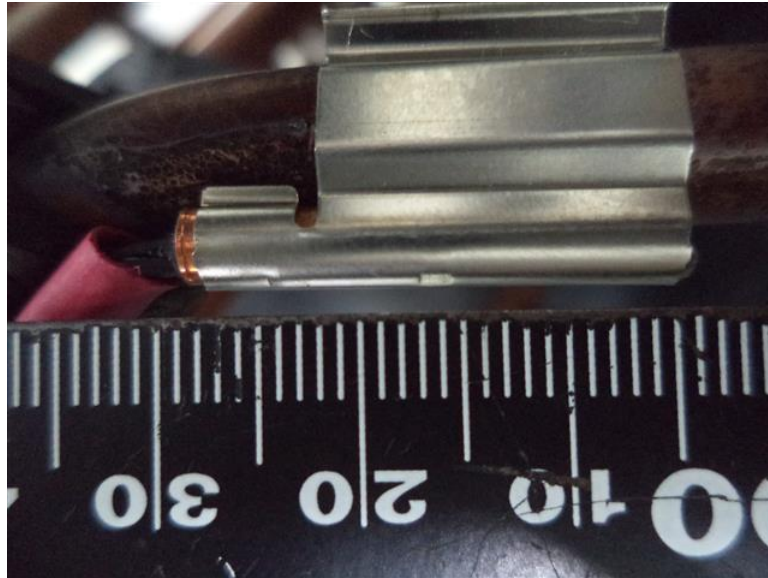
278. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Fan motor



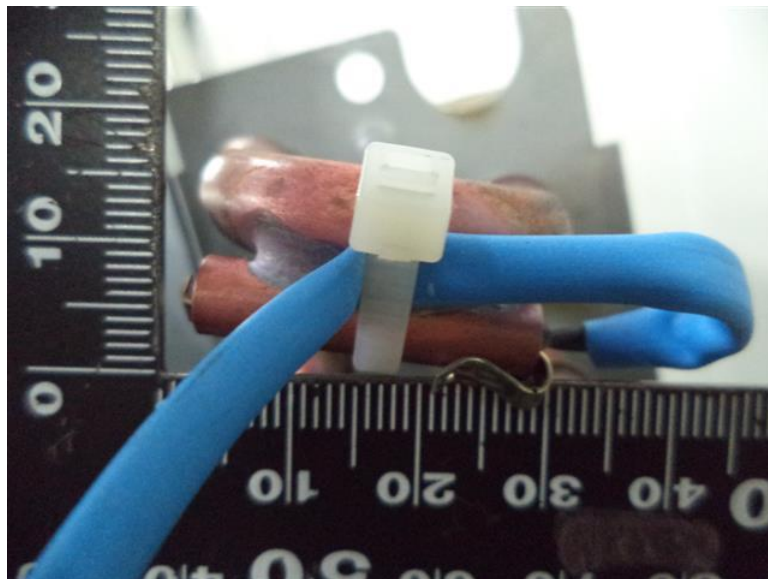
279. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Thermistor

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280. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Thermistor



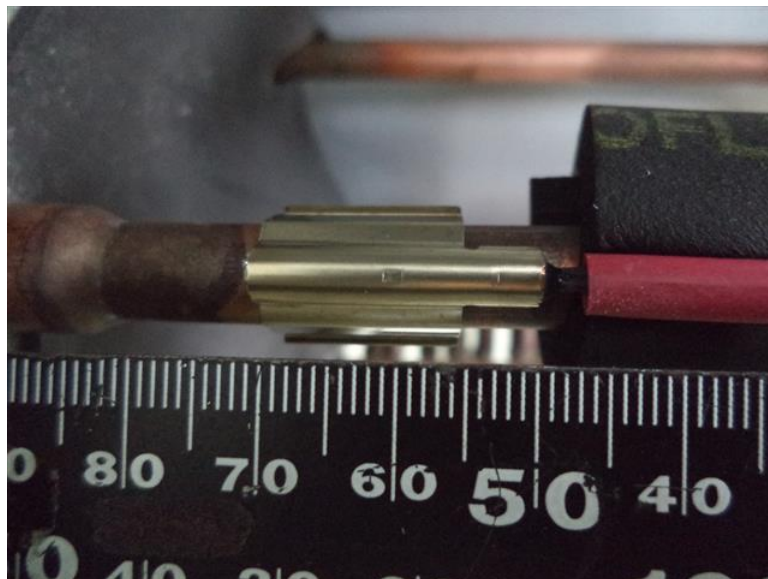
281. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Thermistor

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Attachment 1 : Photographic documentation



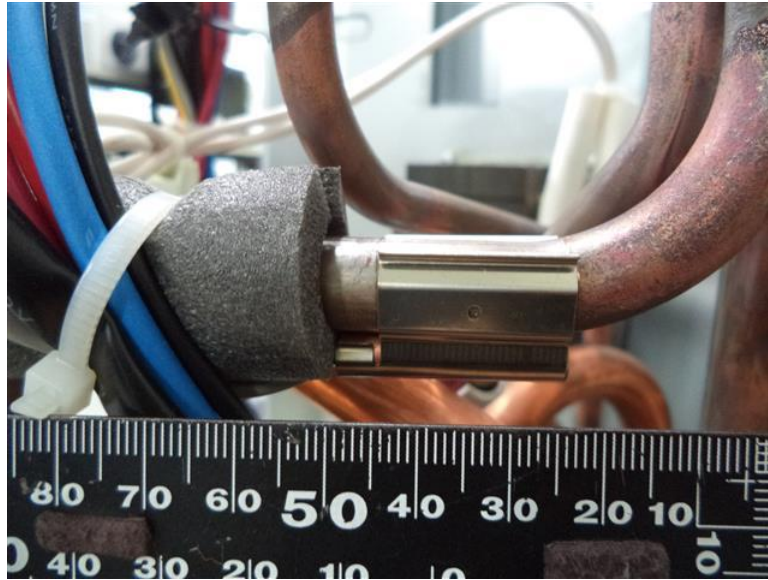
282. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Thermistor



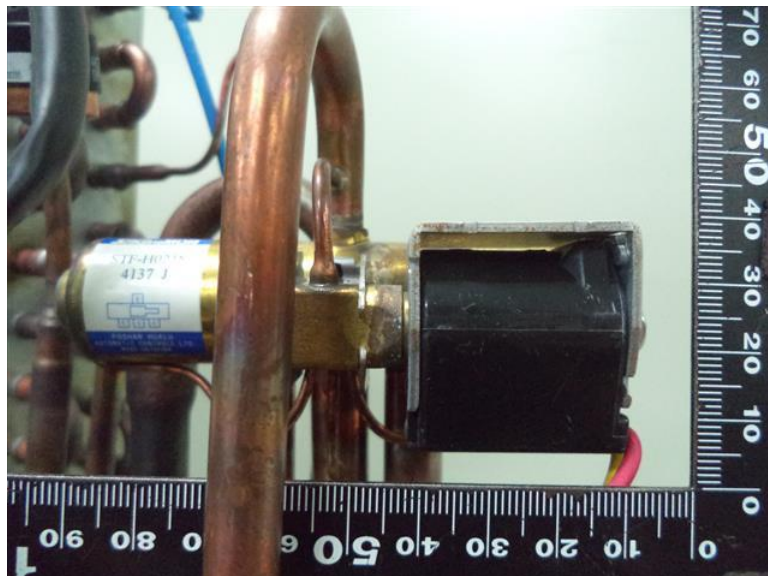
283. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Thermistor

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Attachment 1 : Photographic documentation



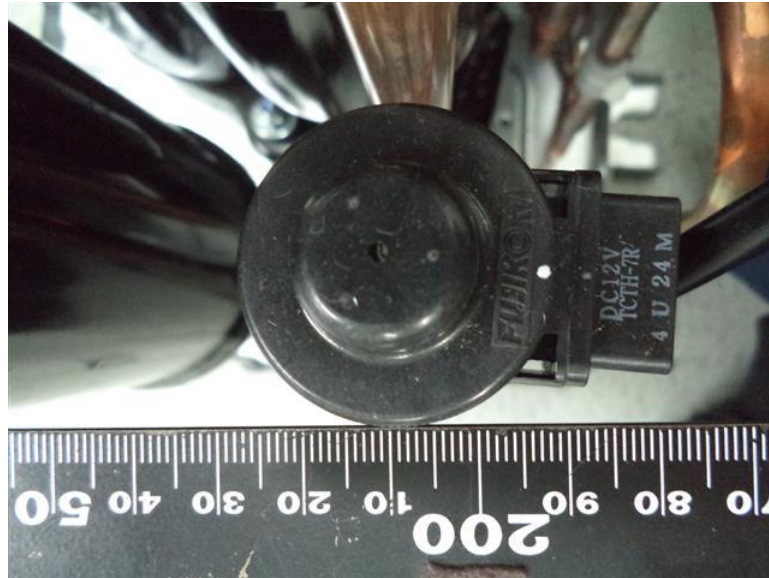
284. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Thermistor



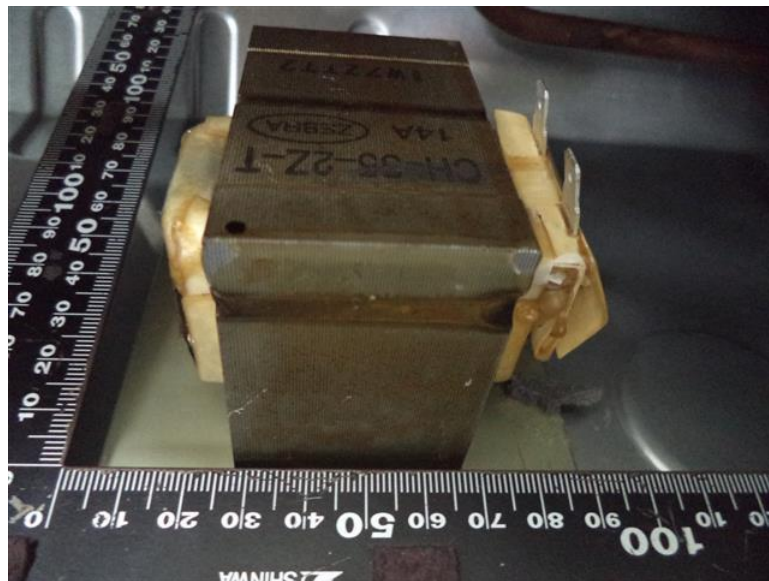
285. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, 4-Way Valve Coil

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Attachment 1 : Photographic documentation



286. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, PMV Coil



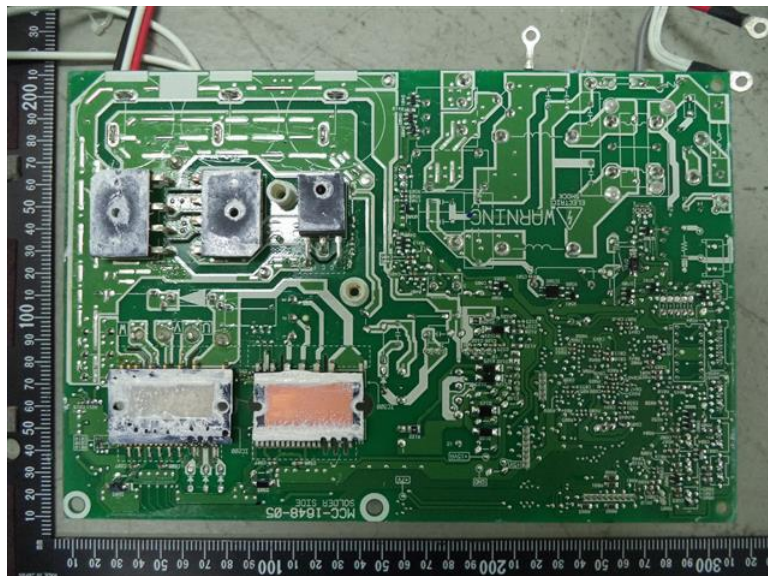
287. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, Reactor

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Attachment 1 : Photographic documentation



288. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, MCC-1648 component main P.C.B.



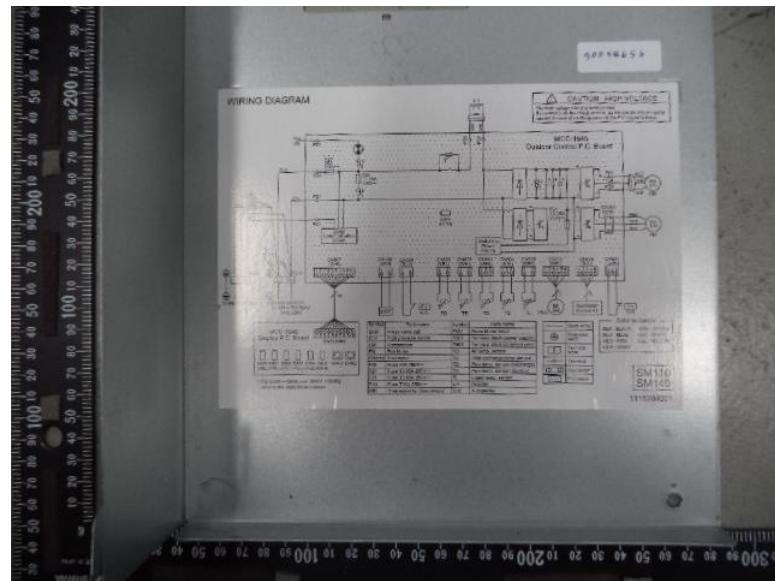
289. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, MCC-1648 trace side main P.C.B.

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Attachment 1 : Photographic documentation



290. Supplementary tube



291. RAV-GM1101ATP-E, RAV-GM1101ATJP-E, RAV-GM1101ATP-TR, RAV-GM1401ATP-E, RAV-GM1401ATJP-E, RAV-GM1401ATP-TR, wiring diagram

IEC 60335-2-40

Attachment 1 : Photographic documentation



292. Warning symbol label ISO 7000-0790



293. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Isometric front view

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Attachment 1 : Photographic documentation



294. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Isometric rear view



295. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Front view

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Attachment 1 : Photographic documentation



296. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Rear view



297. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Right side view

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Attachment 1 : Photographic documentation



298. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Left side view



299. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Top view removed top cover

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Attachment 1 : Photographic documentation



300. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Internal construction



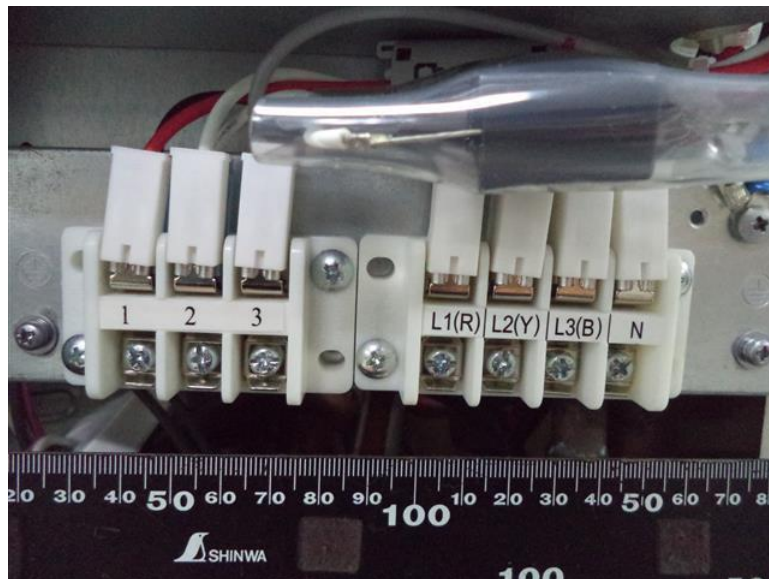
301. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Internal view removed front cover

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Attachment 1 : Photographic documentation



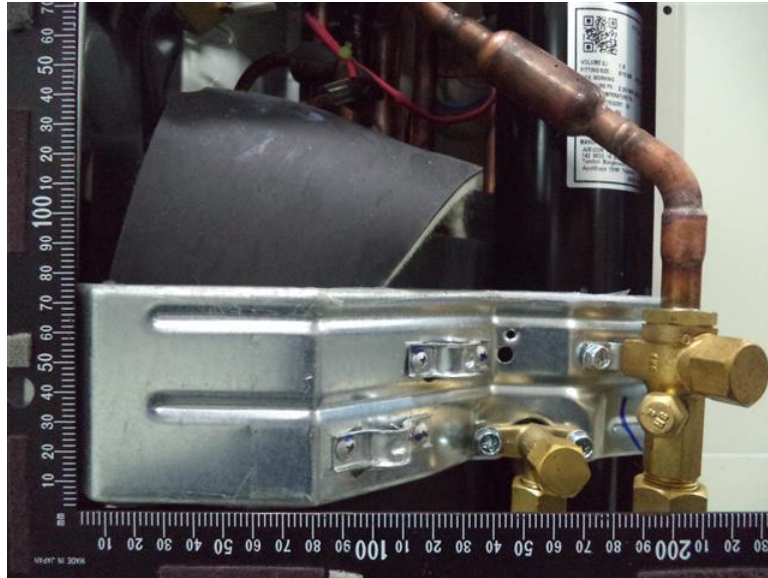
302. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Internal view removed fan blade



303. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Main supply terminal and Terminal block for interconnecting cable, Transformer TT-02

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Attachment 1 : Photographic documentation



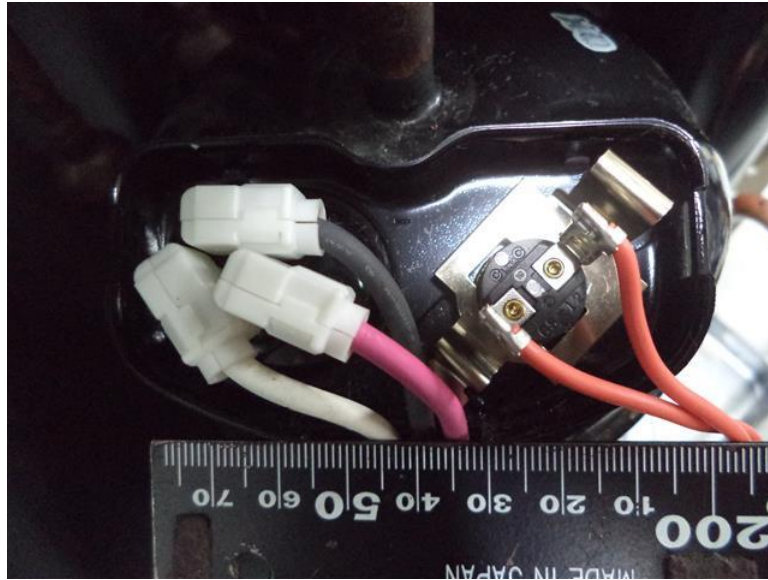
304. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Refrigerant connection and cord anchorage



305. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Motor compressor

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Attachment 1 : Photographic documentation



306. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Terminal of motor compressor and Bimetal Thermo



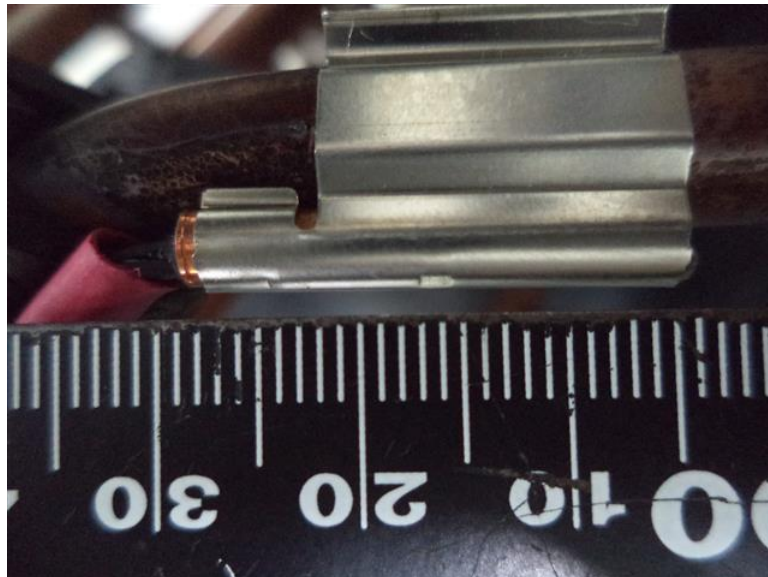
307. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Fan motor

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Attachment 1 : Photographic documentation



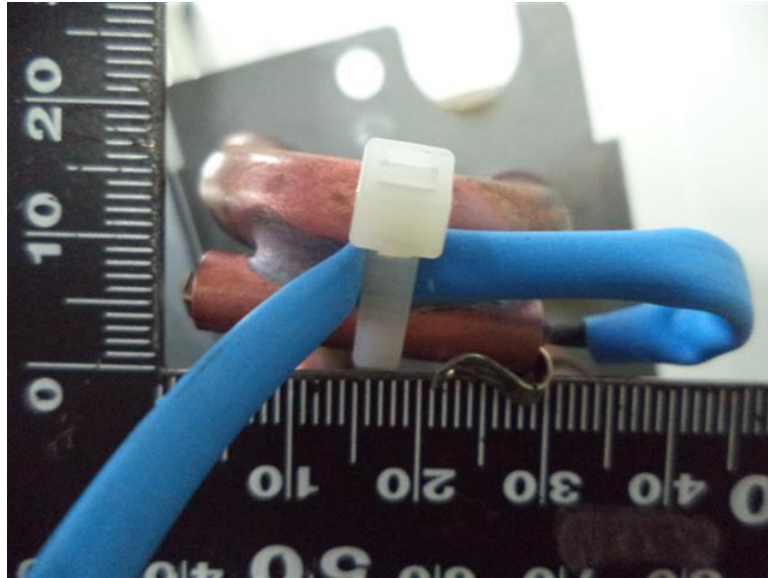
308. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Thermistor



309. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Thermistor

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Attachment 1 : Photographic documentation



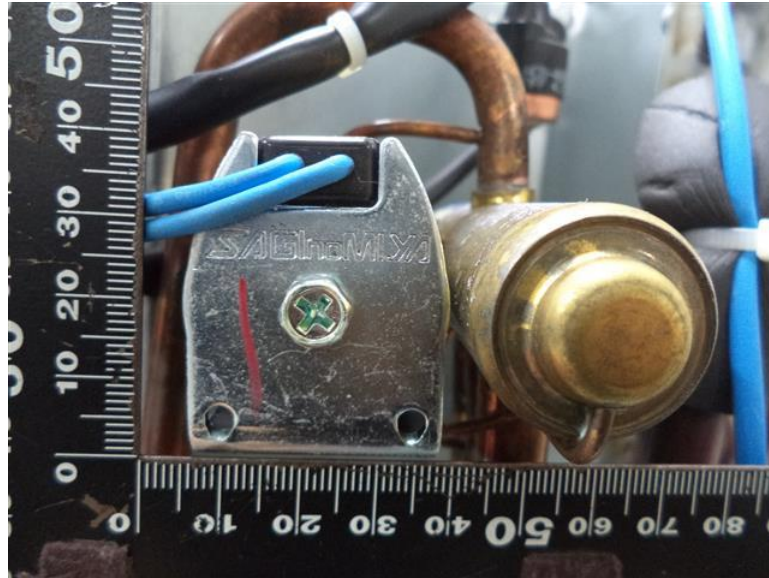
310. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Thermistor



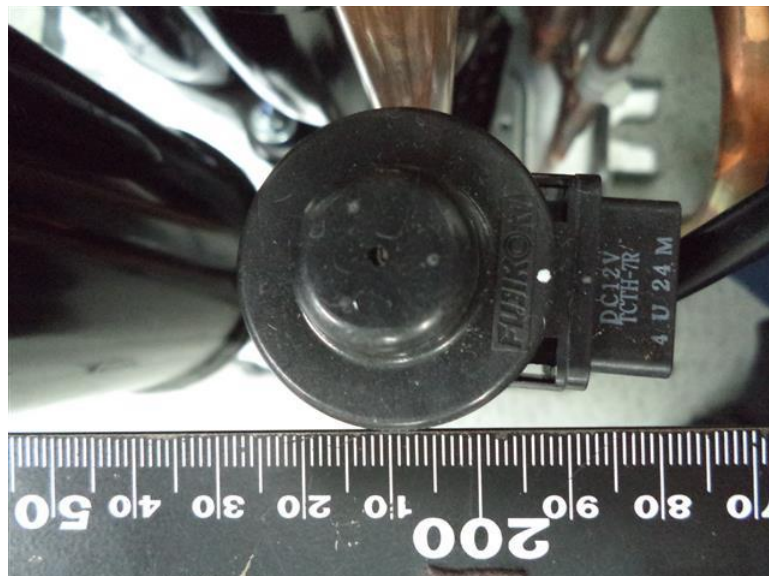
311. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Thermistor

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Attachment 1 : Photographic documentation



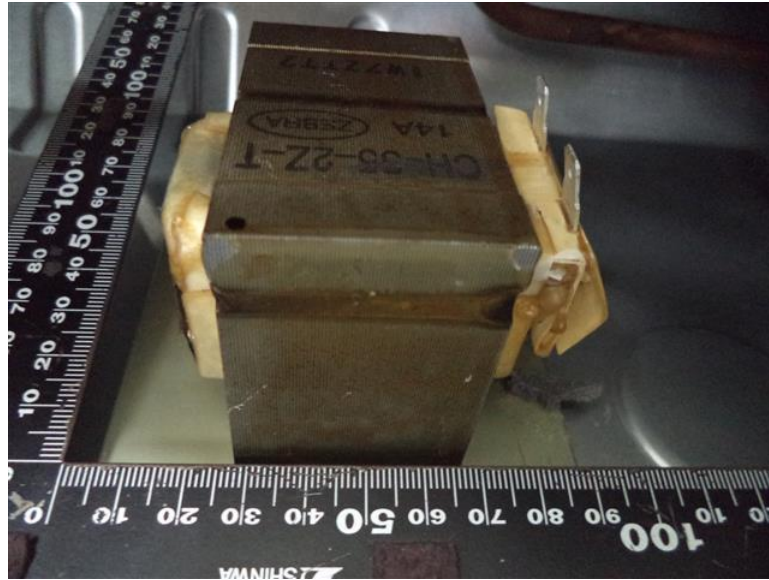
312. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, 4-Way Valve Coil



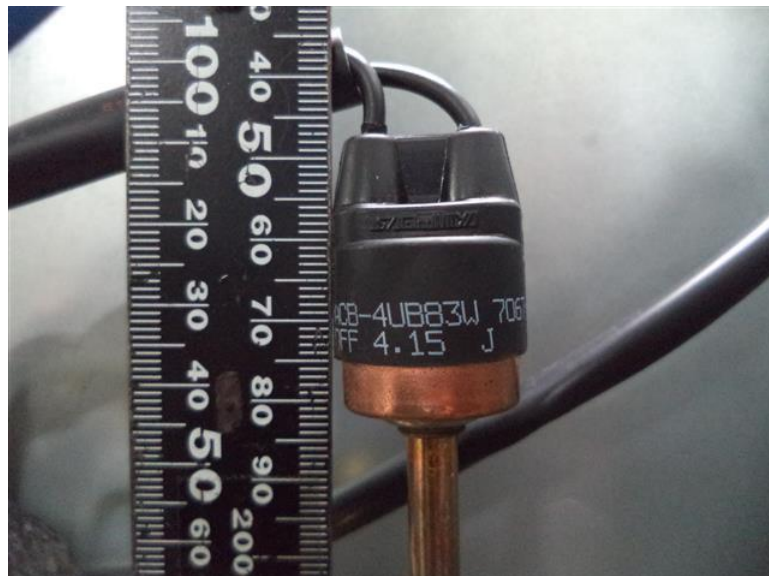
313. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, PMV Coil

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314. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Reactor



315. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, Pressure switch

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Attachment 1 : Photographic documentation



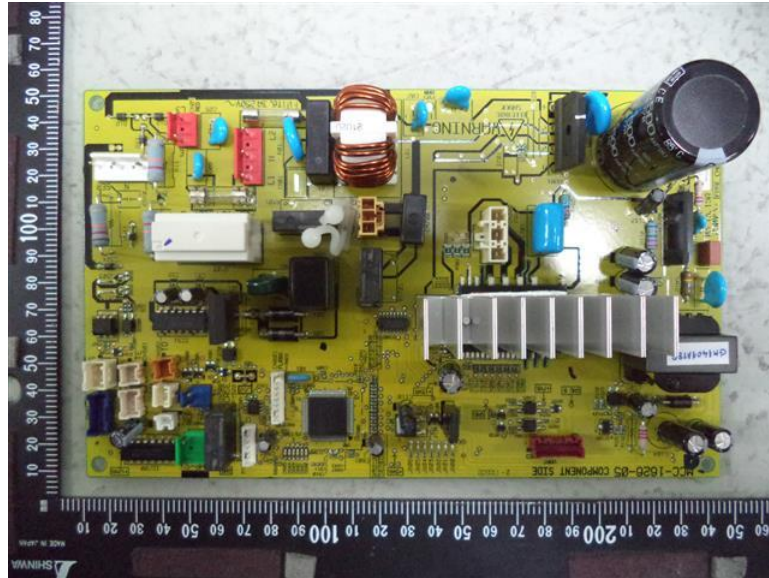
316. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, capacitor



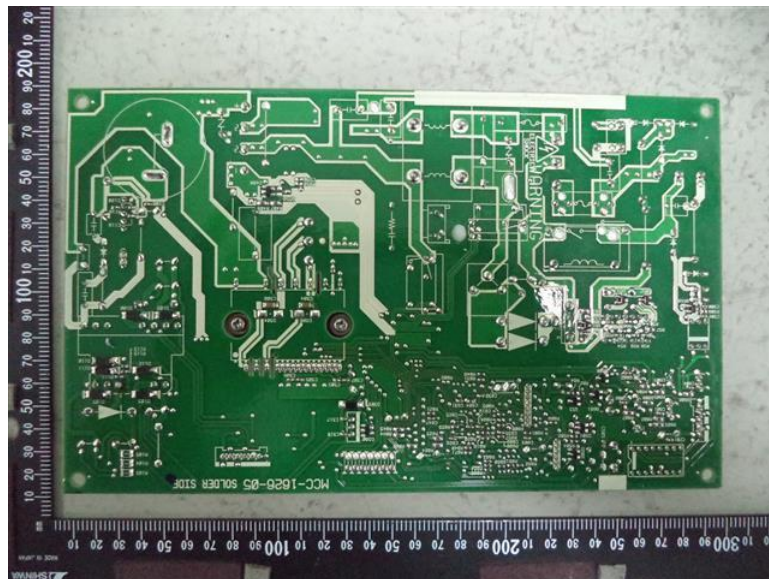
317. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR,

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Attachment 1 : Photographic documentation



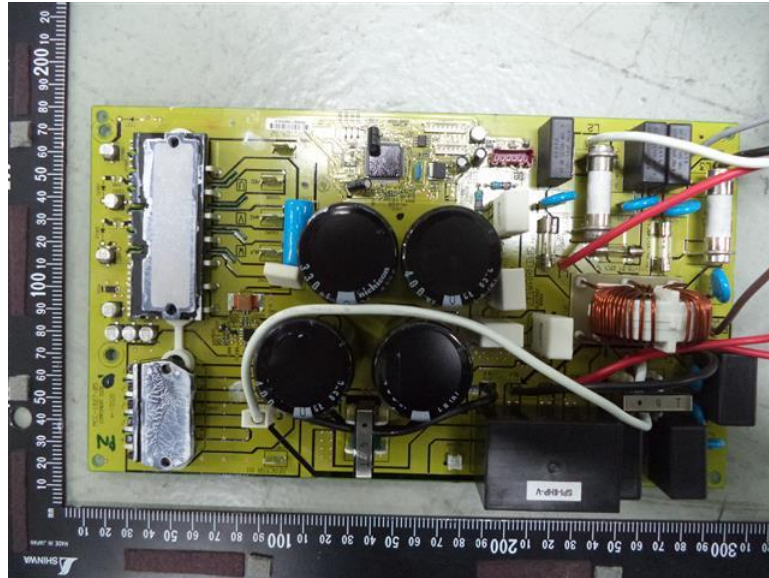
318. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, MCC-1626 component main P.C.B.



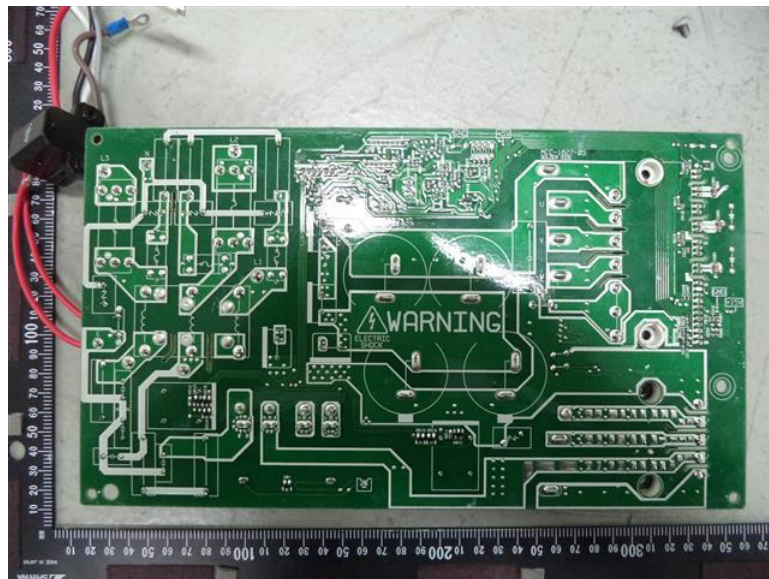
319. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, MCC-1626 trace side main P.C.B.

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Attachment 1 : Photographic documentation



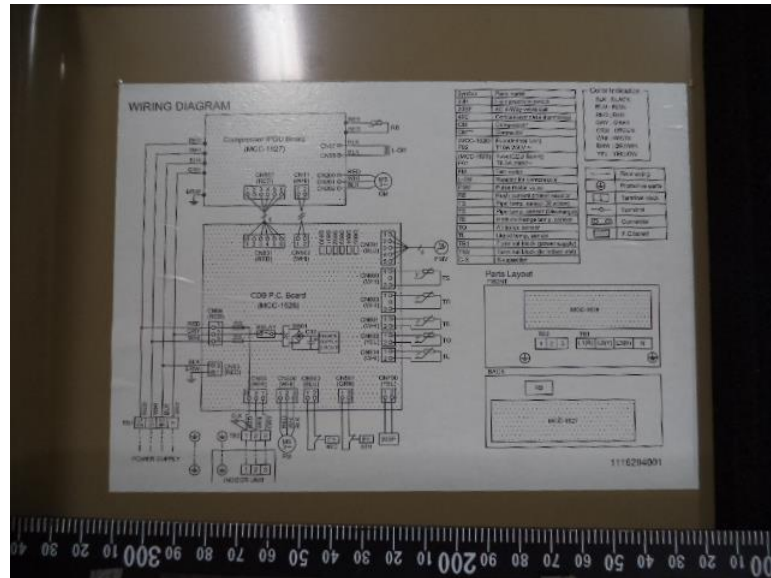
320. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, MCC-1627 component main P.C.B.



321. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR, MCC-1627 trace side main P.C.B.

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322. RAV-GM1101AT8P-E, RAV-GM1101AT8JP-E, RAV-GM1101AT8P-TR, RAV-GM1401AT8P-E, RAV-GM1401AT8JP-E, RAV-GM1401AT8P-TR



323. Supplementary tube

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Attachment 1 : Photographic documentation



324. Warning symbol label W021 of ISO 7010, ISO 7000-1641, ISO 7000-1659, ISO 7000-0790 and warning/caution label

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 60335-2-40 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES Part-2-40: Particular requirements for electrical heat pumps, air conditioners and dehumidifiers	
Differences according to :	EN 60335-2-40:2003 (incl. Corr.:2006) + A11:2004 + A12:2005 + A1:2006 + A2:2009 + A13:2012 (incl. Corr.:2013) EN 60335-1:2012 (incl. Corr.:2014)
Attachment Form No. :	EU_GD_IEC60335_2_40J
Attachment Originator :	VDE
Master Attachment :	2014-06
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ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict

CENELEC COMMON MODIFICATIONS			
6.1	Delete "class 0" and "class 01"		P
7.1	Single-phase appliances to be connected to the supply mains: 230 V covered		P
	Multi-phase appliances to be connected to the supply mains: 400 V covered		N/A
7.10	Devices used to start/stop operational functions of the appliance distinguished from other manual devices by means of shape, size, surface texture, position, etc.		P
	An indication that the device has been operated is given by:		P
	- a tactile feedback, or		P
	- an audible and visual feedback		P
7.12	The instructions include the substance of the following:		P
	- this appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved		P
	- children shall not play with the appliance		P
	- cleaning and user maintenance shall not be made by children without supervision		P
7.12.1	Installation instructions for appliances intended to be permanently connected to fixed wiring, and have leakage current exceed 10 mA, state that installation of residual current device (RCD) having rated residual operating current not exceeding 30 mA is advisable (EN 60335-2-40)		N/A
	For appliances not accessible to the general public and which are intended to be permanently connected to fixed wiring and which may have leakage currents exceeding 10 mA, the installation instructions shall specify the rating of the residual current device (RCD) to be installed (EN 60335-2-40/A12)		N/A
7.12.Z1	The specific instructions related to the safe operation of this appliance is collated together in the front section of the user instructions		P
	The height of the characters, measured on the capital letters, is at least 3 mm		P

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	These instructions are also available in an alternative format, e.g. on a website		P
8.1.1	Also test probe 18 of EN 61032 is applied		P
	The appliance being in every possible position, except that appliances normally used on the floor and having a mass exceeding 40 kg are not tilted. (EN 60335-1:2012/AC:2014)		P
	The force on the probe in the straight position is increased to 10 N when probe 18 is used		P
	When using test probe 18 the appliance is fully assembled as in normal use without any parts removed, and		P
	parts intended to be removed for user maintenance are also not removed		P
8.2	Compliance is checked by applying the test probes of EN 61032		P
	For built-in appliances and fixed appliances, the test probe B and probe 18 of EN 61032 are applied only after installation		P
11.8	Footnotes to "External enclosure of motor-operated appliances" to be taken into account		P
13.2	Leakage current measurements (EN 60335-2-40)	(See appended table)	P
15.1.2	Appliances with an automatic cord reel tested with the cord in the most unfavourable position so that the reeling of the wet cord may affect electrical insulation during operation, the cord not being dried before reeling		N/A
15.2	Drain pan filled to brim and subjected to continuous overflow and fan(s) switched on (EN 60335-2-40)		P
16.2	Leakage current measurements (EN 60335-2-40)	(See appended table)	P
20.2	When using the test probe similar to test probe B with a circular stop face, the accessories and detachable covers are removed		P
	Test probe 18 applied with a force of 2,5 N on the appliance fully assembled		P
24.1	Components comply with the safety requirements specified in the relevant standards as far as they reasonably apply		P
	The requirements of clause 29 of this standard apply between live parts of components and accessible parts of the appliance.		P

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	The requirements of 30.2 of this standard apply to parts of non-metallic material in components including parts of non-metallic material supporting current-carrying connections inside components		P
	Components that have not been previously tested or do not comply with the standard for the relevant component are tested according to the requirements of 30.2		P
	Components that have been previously tested and shown to comply with the resistance to fire requirements in the standard for the relevant component need not be retested provided that:		N/A
	- the severity specified in the component standard is not less than the severity specified in 30.2, and		N/A
	- the test report for the component states whether it complied with the standard for the relevant component with or without flame, flames not exceeding 2 s during the test are ignored		N/A
	Unless components have been previously tested and found to comply with the relevant standard for the number of cycles specified, they are tested in accordance with 24.1.1 to 24.1.9		P
	For components mentioned in 24.1.1 to 24.1.9, no additional tests specified in the relevant standard for the component are necessary other than those specified in 24.1.1 to 24.1.9		P
	Components that have not been separately tested and found to comply with the relevant standard, and		P
	components that are not marked or not used in accordance with their marking,		P
	are tested in accordance with the conditions occurring in the appliance, the number of samples being that required by the relevant standard		P
	Lamp holders and starter holders that have not been previously tested and found to comply with the relevant standard are tested as a part of the appliance and additionally comply with the gauging and interchangeability requirements of the relevant standard under the conditions occurring in the appliance		N/A
	Where the relevant standard specifies these gauging and interchangeability requirements at elevated temperatures, the temperatures measured during the tests of clause 11 are used		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	Plugs and socket-outlets and other connecting devices of interconnection cords are not interchangeable with plugs and socket-outlets listed in IEC/TR 60083 or IEC 60906-1, or		N/A
	with connectors and appliance inlets complying with the standard sheets of IEC 60320-1,		N/A
	if direct supply to these parts from the supply mains gives rise to a hazard		N/A
24.1.7	If the remote operation of the appliance is via a telecommunication network, the relevant standard for the telecommunication interface circuitry in the appliance is EN 41003		N/A
	Compliance with clause 8 of this standard is not impaired by connecting the appliance to a device covered by EN 41003		N/A
24.Z1	For motor running capacitors (IEC 60252-1 type P2) with a metallic enclosure having an overpressure fuse the flame testing of internal plastic parts supporting current carrying connections as required in 30.2.2 and 30.2.3.1 is not necessary		N/A
25.6	Supply cords of single-phase portable appliances having a rated current not exceeding 16 A, fitted with a plug complying with the following standard sheets of IEC/TR 60083:		N/A
	- for class I appliances: standard sheet C2b, C3b or C4		N/A
	- for class II appliances: standard sheet C5 or C6		N/A
25.7	Rubber sheathed cords (60245 IEC 53) are not suitable for appliances intended to be used outdoors or when they are liable to be exposed to significant amount of ultraviolet radiation		P
	Halogen-free thermoplastic compound sheathed supply cords have properties at least those of:		N/A
	- halogen-free thermoplastic compound sheathed cords (H03Z1Z1H2-F or H03Z1Z1-F), for appliances having a mass not exceeding 3 kg		N/A
	- halogen-free thermoplastic compound sheathed cords (H05Z1Z1H2-F or H05Z1Z1-F), for other appliances		N/A
	Cross-linked halogen-free compound sheathed supply cords have properties at least those of cross-linked halogen-free compound sheathed cords (H07ZZ-F)		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
26.11	Conductors connected by soldering are not considered to be positioned or fixed so that reliance is not placed upon the soldering alone to maintain them in position unless they are held in place near the terminals independently of the solder		N/A
29.3.Z1	Appliance constructed so that if there is a possibility of damaging the insulation during installation, the insulation withstands the scratch and penetration test of 21.2		P
32	Compliance regarding electromagnetic fields is checked according to EN 62233		P
GG.2	Requirements for charge limits in unventilated areas (EN 60335-2-40/A1)		N/A
GG.Z1	Non-fixed factory sealed single package units with a charge amount of $m_1 < M \leq 2 \times m_1$ (EN 60335-2-40/A1)		N/A
Annex I, 19.I.101	The appliance is supplied at rated voltage and operated under normal operation with each of the fault conditions specified		P
	The duration of the test is as specified in 19.7		P
ZA	ANNEX ZA (NORMATIVE) SPECIAL NATIONAL CONDITIONS		N/A
	Norway		N/A
19.5	The test is also applicable to appliances intended to be permanently connected to fixed wiring		N/A
	Norway		N/A
22.2	The second paragraph of this subclause, dealing with single-phase, permanently connected class I appliances having heating elements, is not applicable due to the supply system		N/A
	All CENELEC countries		N/A
25.6 and 25.25	Information concerning National plug and socket-outlets is available from the CENELEC website. Normative national requirements concerning plug and socket-outlets are shown in the relevant National standard		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	Ireland and United Kingdom		N/A
25.8	In the table, the lines for 10 A and 16 A are replaced by:		N/A
	> 10 and ≤ 13 1,25 (1,0) ^b (EN 60335-1:2012/AC:2014)		N/A
	> 13 and ≤ 16 1,5 (1,0) ^b (EN 60335-1:2012/AC:2014)		N/A
ZB	ANNEX ZB (INFORMATIVE) A-DEVIATIONS		N/A
	Ireland		N/A
25.6	These regulations apply to all plugs for domestic use at a voltage of not less than 200 V and in general allow only plugs complying with I.S. 401:1997, or equivalent, to be fitted to domestic appliances		N/A
	United Kingdom		N/A
25.6	These regulations apply to all plugs for domestic use at a voltage of not less than 200 V and in general allow only plugs to BS 1363 to be fitted to domestic appliances. It also allows plugs to BS 4573 and EN 50075 to be fitted to shavers and toothbrushes		N/A
ZC	ANNEX ZC (NORMATIVE) NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR CORRESPONDING EUROPEAN PUBLICATIONS		P
	A list of referenced documents in this standard		P
ZD	ANNEX ZD (INFORMATIVE) IEC and CENELEC CODE DESIGNATIONS FOR FLEXIBLE CORDS		P
	A table with IEC and CENELEC code designations for flexible cords		P
ZE	ANNEX ZE (NORMATIVE) SPECIFIC ADDITIONAL REQUIREMENTS FOR APPLIANCES AND MACHINES INTENDED FOR COMMERCIAL USE		N/A
7.1	Business name and full address of the manufacturer and, where applicable, his authorized representative.....:		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	Model or type reference		N/A
	Serial number, if any		N/A
	Production year		N/A
	Designation of the appliance		N/A
7.12	Instructions provided with the appliance so that the appliance can be used safely		N/A
	The instructions contain at least the following information:		N/A
	- the business name and full address of the manufacturer and, where applicable, his authorized representative		N/A
	- model or type reference of the appliance as marked on the appliance itself, except for the serial number		N/A
	- the designation of the appliance together with its explanation in case it is given by a combination of letters and/or numbers		N/A
	- the general description of the appliance, when needed due to the complexity of the appliance		N/A
	- specific precautions if required during installation, operation, adjusting, user maintenance, cleaning, repairing or moving		N/A
	- when needed drawings, diagrams, descriptions and explanations necessary for the safe use and user maintenance of the appliance		N/A
	- the possible reasonably foreseeable misuse and, whenever relevant, a warning against the effects it may have on the safe use of the appliance		N/A
	The words "Original instructions" appear on the language version(s) verified by the manufacturer or by the authorized representative		N/A
	When a translation of the original instructions has been provided by a person introducing the appliance on the market; the meaning of the sentence "Translation of the original instructions" appear in the relevant instructions delivered with the appliance		N/A
	The instructions for maintenance/service to be done by specialized personnel, mandated by the manufacturer or the authorized representative may be supplied in only one Community language which the specialized personnel understand		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	The instructions indicate the type and frequency of inspections and maintenance required for safe operation including the preventive maintenance measures		N/A
	“This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons”. (EN 60335-2-40/A13)		N/A
7.12.ZE 1	If needed for specific appliances, the following information to be given:		N/A
	- on use, transportation, assembly, dismantling when out of service, testing or foreseeable breakdowns, if these operations have consequences on stability of the appliance in order to avoid overturning, falling or uncontrolled movements of the appliance or of its component parts		N/A
	- on how to maintain adequate mechanical stability when in use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance		N/A
	- on the protective measures to be taken by the user, including, where appropriate, the personal protective equipment to be provided		N/A
	- on the operating method to be followed in the event of accident or breakdown; if a blockage is likely to occur the operating method to safely unblock the appliance		N/A
	- on the specifications on the spare parts to be used, when these affect the health and safety of the operator		N/A
	- on airborne noise emissions, determined and declared in accordance with the Annex ZAB, which includes: (EN 60335-2-40/A13)		N/A
	- the A-weighted emission sound pressure level at workstations, where this exceeds 70 dB(A); (EN 60335-2-40/A13)		N/A
	- where this level does not exceed 70 dB(A), no value needs to be given, but the instructions shall state that the A-weighted sound pressure level is below 70 dB. (EN 60335-2-40/A13)		N/A
	- the peak C-weighted instantaneous sound pressure value at workstations, where this exceeds 63 Pa (130 dB in relation to 20 µPa) :		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	- the A-weighted sound power level emitted by the machinery, where the A-weighted emission sound pressure level at workstations exceeds 80 dB(A)		N/A
7.12.ZE 2	The instructions includes a warning to disconnect the appliance from its power source during service and when replacing parts		N/A
	If the removal of the plug is foreseen, it is clearly indicated that the removal of the plug has to be such that an operator can check from any of the points to which he has access that the plug remains removed		N/A
	If this is not possible, due to the construction of the appliance or its installation, a disconnection with a locking system in the isolated position is provided		N/A
19.11.4. 8	The appliance continues to operate, without causing any hazard to the user, from the same point in its operating cycle at which the voltage fluctuation occurred, or		N/A
	a manual operation is required to restart it		N/A
20.1	Appliances and their components and fittings have adequate mechanical stability during transportation, assembly, dismantling and any other action involving the appliance		N/A
20.2	Dangerous moving transmission parts safeguarded either by design or guards		N/A
	When guards are used, they are fixed guards, interlocking movable guards or protective devices		N/A
	Moving parts directly involved in the function of the appliance which cannot be made completely inaccessible fitted with:		N/A
	- fixed guards or interlocking movable guards preventing access to those sections of the parts that are not used in the work, and		N/A
	- adjustable guards restricting access to those sections of the moving parts where access is necessary		N/A
	Interlocking movable guards used where frequent access is required		N/A
21.1	Appliances and their components and fittings have adequate mechanical strength and is constructed to withstand such rough handling that may be expected in normal use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
22.ZE.1	For appliances provided with a seat, the seat gives adequate stability		N/A
	The distance between the seat and the control devices capable of being adapted to the operator		N/A
22.ZE.2	For appliances provided with separate devices for the start and the stop functions, the stop function is unambiguously identifiable and does always override the start function		N/A
	For appliances provided with one device performing the start and the stop function, the stop function is unambiguously identifiable and does always override the start function		N/A
22.ZE.3	Appliances designed in such a way that incorrect mounting is avoided, if this can lead to an unsafe situation		N/A
	If this is not possible, information on the correct mounting is given directly on the part and/or the enclosure		N/A
22.ZE.4	Where the weight, size or shape prevents appliances from being moved manually, they are fitted with attachments for lifting gear, or		N/A
	so designed that they can be fitted with such attachments, or		N/A
	be shaped in such a way that standard lifting gear can easily be used		N/A
	Appliances to be moved manually are constructed or equipped so that they can be moved easily and safely		N/A
22.ZE.5	The fixing systems of fixed guards which prevent access to dangerous moving transmission parts only removable with the use of tools		N/A
	If such guards have to be removed by the user for routine cleaning or maintenance their fixing systems remain attached to the fixed guards or to the machine after removal		N/A
	Where possible, guards are incapable of remaining in place without their fixings		N/A
	This does not apply if, after removal of the screws, or if the component is incorrectly repositioned, the appliance becomes inoperative		N/A
	Movable guards are interlocked		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	The interlocking devices prevent the start of hazardous appliance functions until the guards are fixed in their position, and give a stop command whenever they are no longer closed		N/A
	Where it is possible for an operator to reach the danger zone before the risk due to hazardous appliance functions has ceased, movable guards associated with a guard locking device in addition to an interlocking device that:		N/A
	- prevents the start of hazardous appliance functions until the guard is closed and locked, and		N/A
	- keeps the guard closed and locked until the risk of injury from the hazardous appliance functions has ceased		N/A
	Interlocking movable guards remain attached to the appliance when open, and		N/A
	they are designed and constructed in such a way that they can be adjusted only by means of an intentional action		N/A
22.ZE.6	Interlocking movable guards designed in such a way that the absence or failure of one of their components prevents starting or stops the hazardous appliance functions		N/A
	The guard is opened at the extent needed to cause the interlocking to operate and is then closed. This operation is carried out for 5 000 cycles at a rate of 5 cycles per min. (EN 60335-2-40/A13/AC)		N/A
	After this test any defect that may be expected in normal use is applied to the interlock system, including interruption of the supply, only one defect being simulated at a time		N/A
	After these tests the interlock system is fit for further use		N/A
22.ZE.7	Adjustable guards restricting access to areas of the moving parts strictly necessary for the work are:		N/A
	- adjustable manually or automatically, depending on the type of work involved, and		N/A
	- readily adjustable without the use of tools		N/A
22.ZE.8	In case of interruption, re-establishment after an interruption or fluctuation in whatever manner of the power supply, the appliance does not restart		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	However, automatic restarting of the operation is allowed if the appliance may continue to operate, without causing any hazard to the user, from the same point in its operating cycle at which the voltage interruption or fluctuation occurred		N/A
22.ZE.9	Appliances fitted with means to isolate them from all energy sources		N/A
	Such isolators are clearly identified, and		N/A
	they are capable of being locked if reconnection endanger persons		N/A
	After the energy source is disconnected, it is possible to dissipate any energy remaining or stored in the circuits of the appliance without risk to persons		N/A
ZF	ANNEX ZF (INFORMATIVE) CRITERIA APPLIED FOR THE ALLOCATION OF PRODUCTS COVERED BY STANDARDS IN THE EN 60335 SERIES UNDER LVD OR MD		P
	List of standards under CENELEC/TC61 with the allocation under the LVD (Low Voltage Directive) or the MD (Machinery Directive).....:		P
ZG	ANNEX ZG (NORMATIVE) UV APPLIANCES		N/A
	The following modifications to this standard apply to appliances having UV emitters		N/A
	This annex is not applicable to appliances covered by the scopes of IEC 60335-2-27, IEC 60335-2-59 or IEC 60335-2-109		N/A
7.12.ZG	The instructions for appliances incorporating UVC emitters include the substance of the following: WARNING — This appliance contains a UV emitter. Do not stare at the light source		N/A
32	For appliances incorporating UV emitters the manufacturer delivers a declaration providing evidence that the plastic material exposed to the radiation is UV resistant		N/A
ZZ	ANNEX ZZ (INFORMATIVE) COVERAGE OF ESSENTIAL REQUIREMENTS OF EC DIRECTIVES		P

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	Description of the relation between this European standard and the LVD (Low Voltage Directive, 2006/95/EC) and the MD (Machinery Directive, 2006/42/EC)		P
ZAA	ANNEX ZAA (INFORMATIVE) (EN 60335-2-40/A11) THE RELEVENCE OF THE PRESSURE EQUIPMENT DIRECTIVE		P
	Refrigerating systems having a pressure greater than 0,05 MPa are considered to be assemblies falling within the scope of the Pressure Equipment Directive, 97/23/EC. However, according to Article 1, item 3.6 of the directive, equipment classified no higher than category I and covered by the low voltage directive is excluded from its scope. (EN 60335-2-40/A11)		P
	According to guideline 1/39 of the directive, this exclusion applies to both components and assemblies (refrigerant circuits). This applies to appliances containing vessels (e.g. compressors, receivers) or piping with limits in accordance with the following (EN 60335-2-40/A11):		P
	Vessels (EN 60335-2-40/A11)		P
	- dangerous refrigerants (Annex II, Table 1) (EN 60335-2-40/A11):		N/A
	- volume not exceeding 1 l, or (EN 60335-2-40/A11)		N/A
	- pressure x volume not exceeding 5 MPa l (EN 60335-2-40/A11)		N/A
	- non-dangerous refrigerants (Annex II, Table 2) (EN 60335-2-40/A11):		P
	- volume not exceeding 1 l, or (EN 60335-2-40/A11)		N/A
	- pressure x volume not exceeding 20 MPa l (EN 60335-2-40/A11)		P
	Piping (EN 60335-2-40/A11)		P
	- dangerous refrigerants (Annex II, Table 6) (EN 60335-2-40/A11):		N/A
	- numerical designation not exceeding 25, or (EN 60335-2-40/A11)		N/A
	- pressure not exceeding 1 MPa and numerical designation not exceeding 100, or (EN 60335-2-40/A11)		N/A
	- pressure exceeding 1 MPa and pressure x numerical designation not exceeding 100 MPa (EN 60335-2-40/A11).		N/A
	- non-dangerous refrigerants (Annex II, Table 7) (EN 60335-2-40/A11):		P

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	- numerical designation not exceeding 100, or (EN 60335-2-40/A11)		N/A
	- pressure x numerical designation not exceeding 350 MPa (EN 60335-2-40/A11).		P
	For other components, the most onerous limit of the two applies (EN 60335-2-40/A11)		P
	The volume is the internal volume of the vessel and includes the volume of pipework up to the first connection. It excludes the volume of fixed internal parts (EN 60335-2-40/A11)		P
	The pressure is the maximum pressure the vessel or piping system is exposed to, as specified by the manufacturer of the appliance (EN 60335-2-40/A11)		P
	The numerical designation designates the size common to all components in the piping system (EN 60335-2-40/A11)		P
	If any component exceeds the limits given above, the appliance has to comply with the directive. The technical requirements are given in Annex I and the conformity assessment tables and procedures in Annexes II and III of the directive (EN 60335-2-40/A11)		N/A
	Commonly used dangerous refrigerants, identified as Group 1 in the directive, are listed in table ZAA.1 (EN 60335-2-40/A11)		N/A
	Commonly used non-dangerous refrigerants, identified as Group 2 in the directive, are listed in table ZAA.2 (EN 60335-2-40/A11)		P
ZAB	ANNEX ZAA (NORMATIVE) (EN 60335-2-40/A13) EMISSION OF ACOUSTICAL NOISE FROM APPLIANCES COVERED BY ANNEX ZE		N/A
ZAB.1	Noise reduction is an integral part of the design process and achieved by particularly applying measures at source to control noise, see for example EN ISO 11688-1. (EN 60335-2-40/A13)		N/A
	Success of the applied noise reduction measures is assessed on the basis of the actual noise emission values in relation to other machines of the same type with comparable non-acoustical technical data. (EN 60335-2-40/A13)		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
ZAB.2.1	A-weighted emission sound pressure level determined in accordance with EN 11203:2009, 6.2.3 d) with the surface S being the measurement surface used for the sound power level determination. (EN 60335-2-40/A13)		N/A
	If the sound power level determination is based on a measurement method requiring a reverberant sound field, the surface S to define Q, shall be a parallelepiped measurement surface at a distance of 1 m from the reference box enclosing the source and assuming only one reflecting surface. (EN 60335-2-40/A13)		N/A
ZAB.2.2	A-weighted sound power level determined in accordance with EN 12102 applying a measurement method of at least grade 2. (EN 60335-2-40/A13)		N/A
	If a grade 3 measurement method used for determining the A-weighted sound power level, the reasons are explicitly mentioned (EN 60335-2-40/A13)		N/A
ZAB.2.3	Total measurement uncertainty is depending on the standard deviation of reproducibility σ_{R0} of the measurement method and the standard deviation σ_{omc} representing the instability of the operating and mounting conditions. (EN 60335-2-40/A13)		N/A
	σ_{R0} has an upper value for a grade 2 measurement method of about 1,5 dB, whereas σ_{omc} may have values between 0,5 dB for small variations of the sound power due on the mounting and operating conditions or 4 dB for very instable sources (EN 60335-2-40/A13)		N/A
	Total measurement uncertainty for the A-weighted emission sound pressure level is of the same order as the one for the respective sound power level measurement. (EN 60335-2-40/A13)		N/A
ZAB.2.4	Information to be recorded covers all the technical requirements of this noise test code. (EN 60335-2-40/A13)		N/A
	Any deviations from this noise test code or from the basic standards upon which it is based are to be recorded together with the technical justification for such deviations. (EN 60335-2-40/A13)		N/A
ZAB.2.5	Information to be given in the test report includes : (EN 60335-2-40/A13)		N/A
	- he data required by the manufacturer for inclusion in the noise declaration,. (EN 60335-2-40/A13)		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	- the data required by the user to verify the declared values. (EN 60335-2-40/A13)		N/A
	Thus the following information shall be included ...: (EN 60335-2-40/A13)		N/A
	- reference to the noise test code and the basic noise emission standards used; (EN 60335-2-40/A13)		N/A
	- description of the installation and operation conditions used; (EN 60335-2-40/A13)		N/A
	- location of the work station(s) and other specified positions; (EN 60335-2-40/A13)		N/A
	- the noise emission values obtained (EN 60335-2-40/A13)		N/A
	Test report states that all requirements of the noise test code have been fulfilled, or, if this is not the case, it shall identify any unfulfilled requirements. (EN 60335-2-40/A13)		N/A
	Deviations from the requirements stated and a technical justification for these deviations shall be given. (EN 60335-2-40/A13)		N/A
ZAB.2.6	Noise emission declaration is made according to EN ISO 4871 (EN 60335-2-40/A13)		N/A
	Emission sound pressure level L_{pA} is made as a dual number noise emission declaration, thus declaring the determined value for L_{pA} and the respective uncertainty K_{pA} . (EN 60335-2-40/A13)		N/A
	Sound power level L_{WA} is declared as single number noise emission declaration declaring the sum of the measured sound power level and its uncertainty K_{WA} . (EN 60335-2-40/A13)		N/A
	Noise declaration states that the noise emission values have been obtained according to this noise test code. (EN 60335-2-40/A13)		N/A
	Any deviations from this noise test code or from the basic standards upon which it is based are clearly indicated. (EN 60335-2-40/A13)		N/A
	Additional noise emission values are given in the declaration. (EN 60335-2-40/A13)		N/A
	If undertaken, verification of the noise emission values shall be conducted according to EN ISO 4871, using the same mounting and operating conditions as those used for the initial determination. (EN 60335-2-40/A13)		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict

Annex EN 62233:2008 / IEC 62233:2005			
Clause	Requirement + Test	Result - Remark	Verdict
EMF- ELECTROMAGNETICS FIELDS			
	The tested product also complies with the requirements of EN 62233:2008 / IEC 62233:2005		P
	Limit100%	Measured max. :1.72% (RAV-RM1401BTP-E/ RAV-GM1401ATP-E)	P

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 60335-1 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES	
Household and similar electrical appliances – Safety – Part 1: GENERAL REQUIREMENTS	
Differences according to :	EN 60335-1:2012 + AC:2014 + A11:2014 EN 62233:2008
Attachment Form No. :	EU_GD_IEC60335_1T
Attachment Originator :	Nemko AS
Master Attachment :	2015-03
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ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict

CENELEC COMMON MODIFICATIONS			
6.1	Delete "class 0" and "class 01"		P
7.1	Single-phase appliances to be connected to the supply mains: 230 V covered		P
	Multi-phase appliances to be connected to the supply mains: 400 V covered		N/A
7.10	Devices used to start/stop operational functions of the appliance distinguished from other manual devices by means of shape, size, surface texture, position, etc.		P
	An indication that the device has been operated is given by:		P
	<ul style="list-style-type: none"> a tactile feedback, or 		P
	<ul style="list-style-type: none"> an audible and visual feedback 		P
7.12	The instructions include the substance of the following:		P
	- this appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved		P
	- children shall not play with the appliance		P
	- cleaning and user maintenance shall not be made by children without supervision		P
7.12.Z1	The specific instructions related to the safe operation of this appliance is collated together in the front section of the user instructions		P
	The height of the characters, measured on the capital letters, is at least 3 mm		P
	These instructions are also available in an alternative format, e.g. on a website		P
8.1.1	Also test probe 18 of EN 61032 is applied		P
	The appliance being in every possible position during the test, except that		P
	appliances normally used on the floor and having a mass exceeding 40 kg are not tilted		N/A
	The force on the probe in the straight position is increased to 10 N when probe 18 is used		P

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	When using test probe 18 the appliance is fully assembled as in normal use without any parts removed, and		P
	parts intended to be removed for user maintenance are also not removed		P
8.2	Compliance is checked by applying the test probes of EN 61032		P
	For built-in appliances and fixed appliances, the test probe B and probe 18 of EN 61032 are applied only after installation		P
11.8	Footnotes to "External enclosure of motor-operated appliances" to be taken into account		P
15.1.2	Appliances with an automatic cord reel tested with the cord in the most unfavourable position so that the reeling of the wet cord may affect electrical insulation during operation, the cord not being dried before reeling		N/A
20.2	When using the test probe similar to test probe B with a circular stop face, the accessories and detachable covers are removed		P
	Test probe 18 applied with a force of 2,5N on the appliance fully assembled		P
24.1	Components comply with the safety requirements specified in the relevant standards as far as they reasonably apply		P
	The requirements of Clause 29 of this standard apply between live parts of components and accessible parts of the appliance.		P
	The requirements of 30.2 of this standard apply to parts of non-metallic material in components including parts of non-metallic material supporting current-carrying connections inside components		P
	Components that have not been previously tested or do not comply with the standard for the relevant component are tested according to the requirements of 30.2		P
	Components that have been previously tested and shown to comply with the resistance to fire requirements in the standard for the relevant component need not be retested provided that:		N/A
	- the severity specified in the component standard is not less than the severity specified in 30.2, and		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	- the test report for the component states whether it complied with the standard for the relevant component with or without flame, flames not exceeding 2 s during the test are ignored		N/A
	Unless components have been previously tested and found to comply with the relevant standard for the number of cycles specified, they are tested in accordance with 24.1.1 to 24.1.9		P
	For components mentioned in 24.1.1 to 24.1.9, no additional tests specified in the relevant standard for the component are necessary other than those specified in 24.1.1 to 24.1.9		P
	Components that have not been separately tested and found to comply with the relevant standard, and		P
	components that are not marked or not used in accordance with their marking,		P
	are tested in accordance with the conditions occurring in the appliance, the number of samples being that required by the relevant standard		P
	Lamp holders and starter holders that have not been previously tested and found to comply with the relevant standard are tested as a part of the appliance and additionally comply with the gauging and interchangeability requirements of the relevant standard under the conditions occurring in the appliance		N/A
	Where the relevant standard specifies these gauging and interchangeability requirements at elevated temperatures, the temperatures measured during the tests of Clause 11 are used		N/A
	Plugs and socket-outlets and other connecting devices of interconnection cords are not interchangeable with plugs and socket-outlets listed in IEC/TR 60083 or IEC 60906-1, or		N/A
	with connectors and appliance inlets complying with the standard sheets of IEC 60320-1,		N/A
	if direct supply to these parts from the supply mains gives rise to a hazard		N/A
24.1.7	If the remote operation of the appliance is via a telecommunication network, the relevant standard for the telecommunication interface circuitry in the appliance is EN 41003		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	Compliance with Clause 8 of this standard is not impaired by connecting the appliance to a device covered by EN 41003		N/A
24.Z1	For motor running capacitors (IEC 60252-1 type P2) with a metallic enclosure having an overpressure fuse the flame testing of internal plastic parts supporting current carrying connections as required in 30.2.2 and 30.2.3.1 is not necessary		N/A
25.6	Supply cords of single-phase portable appliances having a rated current not exceeding 16 A, fitted with a plug complying with the following standard sheets of IEC/TR 60083:		N/A
	- for Class I appliances: standard sheet C2b, C3b or C4:		N/A
	- for Class II appliances: standard sheet C5 or C6:		N/A
25.7	Rubber sheathed cords (60245 IEC 53) are not suitable for appliances intended to be used outdoors or when they are liable to be exposed to significant amount of ultraviolet radiation		P
	Halogen-free thermoplastic compound sheathed supply cords have properties at least those of:		N/A
	<ul style="list-style-type: none"> halogen-free thermoplastic compound sheathed cords (H03Z1Z1H2-F or H03Z1Z1-F), for appliances having a mass not exceeding 3 kg 		N/A
	<ul style="list-style-type: none"> halogen-free thermoplastic compound sheathed cords (H05Z1Z1H2-F or H05Z1Z1-F), for other appliances 		N/A
	Cross-linked halogen-free compound sheathed supply cords have properties at least those of cross-linked halogen-free compound sheathed cords (H07ZZ-F)		N/A
26.11	Conductors connected by soldering are not considered to be positioned or fixed so that reliance is not placed upon the soldering alone to maintain them in position unless they are held in place near the terminals independently of the solder		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
29.3.Z1	Appliance constructed so that if there is a possibility of damaging the insulation during installation, the insulation withstands the scratch and penetration test of 21.2		P
32	Compliance regarding electromagnetic fields is checked according to EN 62233		P
Annex I, 19.1.101	The appliance is supplied at rated voltage and operated under normal operation with each of the fault conditions specified		P
	The duration of the test is as specified in 19.7		P
ZA	ANNEX ZA (NORMATIVE) SPECIAL NATIONAL CONDITIONS		N/A
	Norway		N/A
19.5	The test is also applicable to appliances intended to be permanently connected to fixed wiring		N/A
	Norway		N/A
22.2	The second paragraph of this subclause, dealing with single-phase, permanently connected class I appliances having heating elements, is not applicable due to the supply system		N/A
	All CENELEC countries		N/A
25.6 and 25.25	Information concerning National plug and socket-outlets is available from the CENELEC website. Normative national requirements concerning plug and socket-outlets are shown in the relevant National standard		N/A
	Ireland and United Kingdom		N/A
25.8	In the table, the lines for >10 A and ≤16 A are replaced by:		N/A
	> 10 and ≤ 13 1,25 (1,0) ^b		N/A
	> 13 and ≤ 16 1,5 (1,0) ^b		N/A
ZB	ANNEX ZB (INFORMATIVE) A-DEVIATIONS		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	Ireland		N/A
25.6	These regulations apply to all plugs for domestic use at a voltage of not less than 200 V and in general allow only plugs complying with I.S. 401:1997, or equivalent, to be fitted to domestic appliances		N/A
	United Kingdom		N/A
25.6	These regulations apply to all plugs for domestic use at a voltage of not less than 200 V and in general allow only plugs to BS 1363 to be fitted to domestic appliances. It also allows plugs to BS 4573 and EN 50075 to be fitted to shavers and toothbrushes		N/A
ZC	ANNEX ZC (NORMATIVE) NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR CORRESPONDING EUROPEAN PUBLICATIONS		P
	A list of referenced documents in this standard		P
ZD	ANNEX ZD (INFORMATIVE) IEC and CENELEC CODE DESIGNATIONS FOR FLEXIBLE CORDS		P
	A table with IEC and CENELEC code designations for flexible cords		P
ZE	ANNEX ZE (INFORMATIVE) SPECIFIC ADDITIONAL REQUIREMENTS FOR APPLIANCES AND MACHINES INTENDED FOR COMMERCIAL USE		N/A
7.1	Business name and full address of the manufacturer and, where applicable, his authorized representative		N/A
	Model or type reference		N/A
	Serial number, if any		N/A
	Production year		N/A
	Designation of the appliance.....		N/A
7.12	Instructions provided with the appliance so that the appliance can be used safely		N/A
	The instructions contain at least the following information:		N/A
	- the business name and full address of the manufacturer and, where applicable, his authorized representative		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	- model or type reference of the appliance as marked on the appliance itself, except for the serial number		N/A
	- the designation of the appliance together with its explanation in case it is given by a combination of letters and/or numbers		N/A
	- the general description of the appliance, when needed due to the complexity of the appliance		N/A
	- specific precautions if required during installation, operation, adjusting, user maintenance, cleaning, repairing or moving		N/A
	- when needed drawings, diagrams, descriptions and explanations necessary for the safe use and user maintenance of the appliance		N/A
	- the possible reasonably foreseeable misuse and, whenever relevant, a warning against the effects it may have on the safe use of the appliance		N/A
	The words "Original instructions" appear on the language version(s) verified by the manufacturer or by the authorized representative		N/A
	When a translation of the original instructions has been provided by a person introducing the appliance on the market; the meaning of the sentence "Translation of the original instructions" appear in the relevant instructions delivered with the appliance		N/A
	The instructions for maintenance/service to be done by specialized personnel, mandated by the manufacturer or the authorized representative may be supplied in only one Community language which the specialized personnel understand		N/A
	The instructions indicate the type and frequency of inspections and maintenance required for safe operation including the preventive maintenance measures		N/A
7.12.ZE 1	If needed for specific appliances, the following information to be given:		N/A
	<ul style="list-style-type: none"> on use, transportation, assembly, dismantling when out of service, testing or foreseeable breakdowns, if these operations have consequences on stability of the appliance in order to avoid overturning, falling or uncontrolled movements of the appliance or of its component parts 		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	<ul style="list-style-type: none"> on how to maintain adequate mechanical stability when in use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance 		N/A
	<ul style="list-style-type: none"> on the protective measures to be taken by the user, including, where appropriate, the personal protective equipment to be provided 		N/A
	<ul style="list-style-type: none"> on the operating method to be followed in the event of accident or breakdown; if a blockage is likely to occur the operating method to safely unblock the appliance 		N/A
	<ul style="list-style-type: none"> on the specifications on the spare parts to be used, when these affect the health and safety of the operator 		N/A
	<ul style="list-style-type: none"> on airborne noise emissions, determined and declared in accordance with the relevant Part 2, which includes: <ul style="list-style-type: none"> - the A-weighted emission sound pressure level at workstations, where this exceeds 70 dB(A) - where this level does not exceed 70 dB(A), this fact is indicated - the peak C-weighted instantaneous sound pressure value at workstations, where this exceeds 63 Pa (130 dB in relation to 20 µPa) - the A-weighted sound power level emitted by the machinery, where the A-weighted emission sound pressure level at workstations exceeds 80 dB(A) 		N/A
7.12.ZE 2	The instructions includes a warning to disconnect the appliance from its power source during service and when replacing parts		N/A
	If the removal of the plug is foreseen, it is clearly indicated that the removal of the plug has to be such that an operator can check from any of the points to which he has access that the plug remains removed		N/A
	If this is not possible, due to the construction of the appliance or its installation, a disconnection with a locking system in the isolated position is provided		N/A
19.11.4. 8	The appliance continues to operate, without causing any hazard to the user, from the same point in its operating cycle at which the voltage fluctuation occurred, or		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
	a manual operation is required to restart it		N/A
20.1	Appliances and their components and fittings have adequate mechanical stability during transportation, assembly, dismantling and any other action involving the appliance		N/A
20.2	Dangerous moving transmission parts safeguarded either by design or guards		N/A
	When guards are used, they are fixed guards, interlocking movable guards or protective devices		N/A
	Moving parts directly involved in the function of the appliance which cannot be made completely inaccessible fitted with:		N/A
	- fixed guards or interlocking movable guards preventing access to those sections of the parts that are not used in the work, and		N/A
	- adjustable guards restricting access to those sections of the moving parts where access is necessary		N/A
	Interlocking movable guards used where frequent access is required		N/A
21.1	Appliances and their components and fittings have adequate mechanical strength and is constructed to withstand such rough handling that may be expected in normal use, during transportation, assembly, dismantling, scrapping and any other action involving the appliance		N/A
22.ZE.1	For appliances provided with a seat, the seat gives adequate stability		N/A
	The distance between the seat and the control devices capable of being adapted to the operator		N/A
22.ZE.2	For appliances provided with separate devices for the start and the stop functions, the stop function is unambiguously identifiable and does always override the start function		N/A
	For appliances provided with one device performing the start and the stop function, the stop function is unambiguously identifiable and does always override the start function		N/A
22.ZE.3	Appliances designed in such a way that incorrect mounting is avoided, if this can lead to an unsafe situation		N/A
	If this is not possible, information on the correct mounting is given directly on the part and/or the enclosure		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
22.ZE.4	Where the weight, size or shape prevents appliances from being moved manually, they are fitted with attachments for lifting gear, or		N/A
	so designed that they can be fitted with such attachments, or		N/A
	be shaped in such a way that standard lifting gear can easily be used		N/A
	Appliances to be moved manually are constructed or equipped so that they can be moved easily and safely		N/A
22.ZE.5	The fixing systems of fixed guards which prevent access to dangerous moving transmission parts only removable with the use of tools		N/A
	If such guards have to be removed by the user for routine cleaning or maintenance their fixing systems remain attached to the fixed guards or to the machine after removal		N/A
	Where possible, guards are incapable of remaining in place without their fixings		N/A
	This does not apply if, after removal of the screws, or if the component is incorrectly repositioned, the appliance becomes inoperative		N/A
	Movable guards are interlocked		N/A
	The interlocking devices prevent the start of hazardous appliance functions until the guards are fixed in their position, and give a stop command whenever they are no longer closed		N/A
	Where it is possible for an operator to reach the danger zone before the risk due to hazardous appliance functions has ceased, movable guards associated with a guard locking device in addition to an interlocking device that:		N/A
	- prevents the start of hazardous appliance functions until the guard is closed and locked, and		N/A
	- keeps the guard closed and locked until the risk of injury from the hazardous appliance functions has ceased		N/A
	Interlocking movable guards remain attached to the appliance when open, and		N/A
	they are designed and constructed in such a way that they can be adjusted only by means of an intentional action		N/A

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
22.ZE.6	Interlocking movable guards designed in such a way that the absence or failure of one of their components prevents starting or stops the hazardous appliance functions		N/A
	The guard is opened to the extent needed to cause the interlocking to operate and is then closed, the number of operations being defined in the specific Part 2.....:		N/A
	After this test any defect that may be expected in normal use is applied to the interlock system, including interruption of the supply, only one defect being simulated at a time		N/A
	After these tests the interlock system is fit for further use		N/A
22.ZE.7	Adjustable guards restricting access to areas of the moving parts strictly necessary for the work are:		N/A
	- adjustable manually or automatically, depending on the type of work involved, and		N/A
	- readily adjustable without the use of tools		N/A
22.ZE.8	In case of interruption, re-establishment after an interruption or fluctuation in whatever manner of the power supply, the appliance does not restart		N/A
	However, automatic restarting of the operation is allowed if the appliance may continue to operate, without causing any hazard to the user, from the same point in its operating cycle at which the voltage interruption or fluctuation occurred		N/A
22.ZE.9	Appliances fitted with means to isolate them from all energy sources		N/A
	Such isolators are clearly identified, and		N/A
	they are capable of being locked if reconnection endanger persons		N/A
	After the energy source is disconnected, it is possible to dissipate any energy remaining or stored in the circuits of the appliance without risk to persons		N/A
ZF	ANNEX ZF (INFORMATIVE) CRITERIA APPLIED FOR THE ALLOCATION OF PRODUCTS COVERED BY STANDARDS IN THE EN 60335 SERIES UNDER LVD OR MD		P
	List of standards under CENELEC/TC61 with the allocation under the LVD (Low Voltage Directive) or the MD (Machinery Directive)		P

ATTACHMENT 2 - EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES			
Clause	Requirement - Test	Result - Remark	Verdict
ZG	ANNEX ZG (NORMATIVE) UV APPLIANCES		N/A
	The following modifications to this standard apply to appliances having UV emitters		N/A
	This annex is not applicable to appliances covered by the scopes of IEC 60335-2-27, IEC 60335-2-59 or IEC 60335-2-109		N/A
7.12.ZG	The instructions for appliances incorporating UVC emitters include the substance of the following: WARNING — This appliance contains a UV emitter. Do not stare at the light source		N/A
32	For appliances incorporating UV emitters the manufacturer delivers a declaration providing evidence that the plastic material exposed to the radiation is UV resistant		N/A
ZZ	ANNEX ZZ (INFORMATIVE) COVERAGE OF ESSENTIAL REQUIREMENTS OF EC DIRECTIVES		P
	Description of the relation between this European standard and the LVD (Low Voltage Directive, 2006/95/EC) and the MD (Machinery Directive, 2006/42/EC)		P

Annex EN 62233:2008 / IEC 62233:2005			
Clause	Requirement + Test	Result - Remark	Verdict
EMF- ELECTROMAGNETICS FIELDS			
	The tested product also complies with the requirements of EN 62233:2008 / IEC 62233:2005		P
	Limit100%	Measured max. :1.72% (RAV-RM1401BTP-E/ RAV-GM1401ATP-E)	P