

TOSHIBA

200 kW
Cooling only
Brine Model
Integr. Pump 3,7 kW

RUAGP561C3R8E

150 kW
Heating & Cooling
Water & Brine Model
HiHeating Capacity
Integr. Pump 2,2 kW
RUAGP421F28E



200 kW
Cooling only
Water & Brine Model
Integr. Pump 2,2 kW

RUAGP561C28E

180 kW
Heating & Cooling
Water & Brine Model
HiHeating Capacity
Integr. Pump 2,2 kW
RUAGP511F28E



DATA SHEETS 2022/23
UNIVERSAL SMART X

200 KW COOLING ONLY – BRINE, 3,7 KW PUMP

Type **RUAGP561C3R8E** stock model



USX Chiller constructed as universal cold water generator with highest operational and fail-safe reliability. The compact X-design with unique 4-in-1 module concept delivers outstanding Smart Features.

SMART FEATURES

-  Wide operation range ✓
-  Twin rotary compressor – stepless controlled 5 – 100 % ✓
-  Operational reliability by modular design ✓
-  All year prompt deliverable from Vienna warehouse ✓
-  Environmentally friendly refrigerant R32 ✓
-  Continuous heating ✓
-  150 kW – 25,6 MW performance range scaled modular ✓
-  space saving X-frame chassis design ✓
-  WiFi connectivity ✓
-  High electric power factor ✓
-  High energy efficiency ✓
-  Auto Back-Up function ✓

TECHNICAL KEY FACTS

- Air-cooled Chiller in a modular compact design
- Flexibility through modular combinability up to 25.600 kW
- Wide operating range down to -25°C or up to +52°C outdoor temperature
- Redundancy through 4 independent separate refrigeration circuits
- Optimal operational safety thanks to 4x TOSHIBA R32 inverter twin rotary compressors
- 4x inverter axial fan
- Best efficiency through stepless inverter control down to 5 % nominal capacity
- Soft start for low starting current
- Space-saving X-design
- Electronic expansion valves (PMV)
- 8x Air/R32 high efficiency heat exchangers
- 2x R32/Water high-efficiency heat exchangers
- 2x flange connection PN16
- 1x flanged dirt trap
- 2x temperature sensor
- Unit-Controller UC
- PWM converter for high electrical power factor and reduction of electrical connected load
- Electrical control cabinet
- Condensate tray heating
- Case heating
- Oil sump heating
- Frost protection thermocouple
- Mobile system- and energy-monitoring via an APP and WIFI, including non-stop operation recording
- Silent version
- Minus cooling down to -15°C leaving water temperature possible
- Brine/water mixture as energy source

Fits best for

- ✓ Industry
- ✓ Process Cooling
- ✓ Air Handling Units for dehumidification
- ✓ Hospitals

200 KW COOLING ONLY – BRINE, 3,7 KW PUMP

→ Performance Code 70 HP / 200 kW
Integrated 3,7 kW pump
Basic EER
LWT -15 ~ 30 °C

Type **RUAGP561C3R8E** stock model

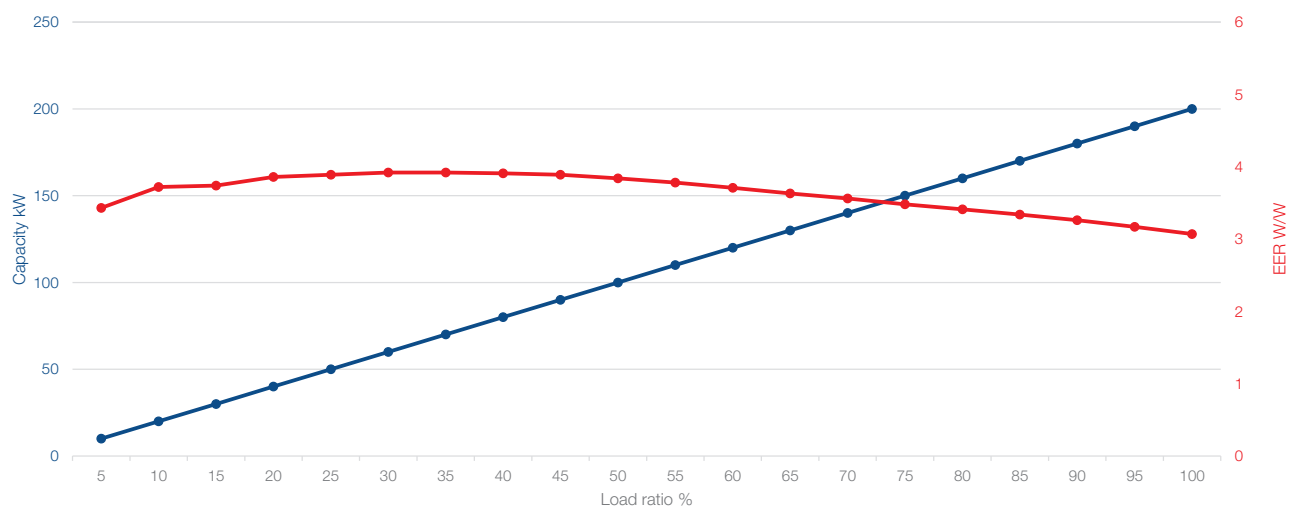
Specified conditions			
AMBIENT CONDITIONS			
Outside Air	❄️	35	°C DB
Outlet Water	❄️	7	°C
Inlet Water	❄️	12	°C
CAPACITY CHARACTERISTICS			
Cooling capacity	❄️	200	kW
Max. cooling capacity	❄️	206	kW
EFFICIENCY			
SEER	❄️	4,75	W/W
EER	❄️	3,07	W/W
ELECTRIC CHARACTERISTICS			
Power supply ^{2,3}		380 - 400 / 3 / 50	V / Ph+N / Hz
Operation current ^{2,3}		95,0	A
Power consumption ^{2,3}		65,1	kW
Power factor ^{2,3}		99	%
FLUID CHARACTERISTICS			
Flow rate range ²		150 to 650	L/min
Flow rate ²		631	L/min
Pressure drop ²		163	kPa
External pressure ²		74,2	kPa
Minimum holding water in system		1.581	L

¹⁾ „Integrated heating capacity“ represents the capacity including effects of frosting and defrosting.

²⁾ These are characteristics under specified conditions.

³⁾ The integrated pump part is not included in the electric characteristics.

Partload - Capacity - Efficiency



Load Ratio %	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Capacity kW	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
EER W/W	3,43	3,72	3,74	3,86	3,89	3,92	3,92	3,91	3,89	3,84	3,78	3,71	3,63	3,56	3,48	3,41	3,34	3,26	3,17	3,07

Integrated pump specs

Rated output	3,7	kW
Pumping system	Centrifugal Pump	
Starting method	Inverter	
Flow control system	Inverter	
Max. operation current	6,9 x 1	A
Max. power consumption	4,5 x 1	kW

Sound pressure level (Measurement position: 1.0 m distance, 1.5 m height)

Control-box side	69,7	dB(A)
Air heat-exchanger side	74,0	dB(A)
Water piping side	68,6	dB(A)

Sound power level

Single module	90,9	dB(A)
Overall system	90,9	dB(A)

Physical Data of Air-Cooled Chiller

Dimensions	2.350	mm	Height
	1.000	mm	Width
	3.300	mm	Depth
Shipping Weight	1.337 x 1	kg	
Compressor	Twin Rotary x 4		Type / Pieces
	13,2 x 4	kW	Motor Output
	Inverter		Type of Start
	37 x 4	W	Comp. Heater Wattage
Condenser Coil - Air Side	Plate Fin Coil x 8		
Fan unit	Propeller Fan x 4		Fan / Pieces
	1.230 at max.	m ³ /min	Air Quantity
	1,2 x 4	kW	Motor Output
Cooler - Water side	Brazed Plate Type x 2		
Refrigerant	8,8 x 4	kg	R32 Charge
	Electric Expansion Valve		Control
Capacity Control Steps	0, 4 ~ 100 (Stepless)	%	
Operation Control Process		Microprocessor control based on leaving water temperature and water temperature difference	
Operating Limit - LWT	-15 ~ 30	°C	
Operating Limit - OAT	-15 ~ 52 DB	°C	
Water Inlet Connection	3" Flange x 1	inch	
Water Outlet Connection	3" Flange x 1	inch	

Fits perfect for ...

Process Cooling



Hospitals



200 KW COOLING ONLY – WATER / BRINE, 2,2 KW PUMP

Type **RUAGP561C28E** stock model



USX Chiller constructed as universal cold water generator with highest operational and fail-safe reliability. The compact X-design with unique 4-in-1 module concept delivers outstanding Smart Features.

SMART FEATURES

	Wide operation range	✓
	Twin rotary compressor – stepless controlled 5 – 100 %	✓
	Operational reliability by modular design	✓
	All year prompt deliverable from Vienna warehouse	✓
	Environmentally friendly refrigerant R32	✓
	Continuous heating	✓
	150 kW – 25,6 MW performance range scaled modular	✓
	space saving X-frame chassis design	✓
	WiFi connectivity	✓
	High electric power factor	✓
	High energy efficiency	✓
	Auto Back-Up function	✓

TECHNICAL KEY FACTS

- Air-cooled Chiller in a modular compact design
- Flexibility through modular combinability up to 25.600 kW
- Wide operating range down to -25°C or up to +52°C outdoor temperature
- Redundancy through 4 independent separate refrigeration circuits
- Optimal operational safety thanks to 4x TOSHIBA R32 inverter twin rotary compressors
- 4x inverter axial fan
- Best efficiency through stepless inverter control down to 5 % nominal capacity
- Soft start for low starting current
- Space-saving X-design
- Electronic expansion valves (PMV)
- 8x Air/R32 high efficiency heat exchangers
- 2x R32/Water high-efficiency heat exchangers
- 2x flange connection PN16
- 1x flanged dirt trap
- 2x temperature sensor
- Unit-Controller UC
- PWM converter for high electrical power factor and reduction of electrical connected load
- Electrical control cabinet
- Condensate tray heating
- Case heating
- Oil sump heating
- Frost protection thermocouple
- Mobile system- and energy-monitoring via an APP and WIFI, including non-stop operation recording
- Silent version

Fits best for

- ✓ Air Handling Units for dehumidification
- ✓ Offices
- ✓ Hotels
- ✓ Hospitals
- ✓ Technical Servers
- ✓ Technical Cooling
- ✓ Shopping Centers

200 KW COOLING ONLY – WATER / BRINE, 2,2 KW PUMP

→ Performance Code 70 HP / 200 kW
Integrated 2,2 kW pump
Basic EER
LWT 4 ~ 30 °C

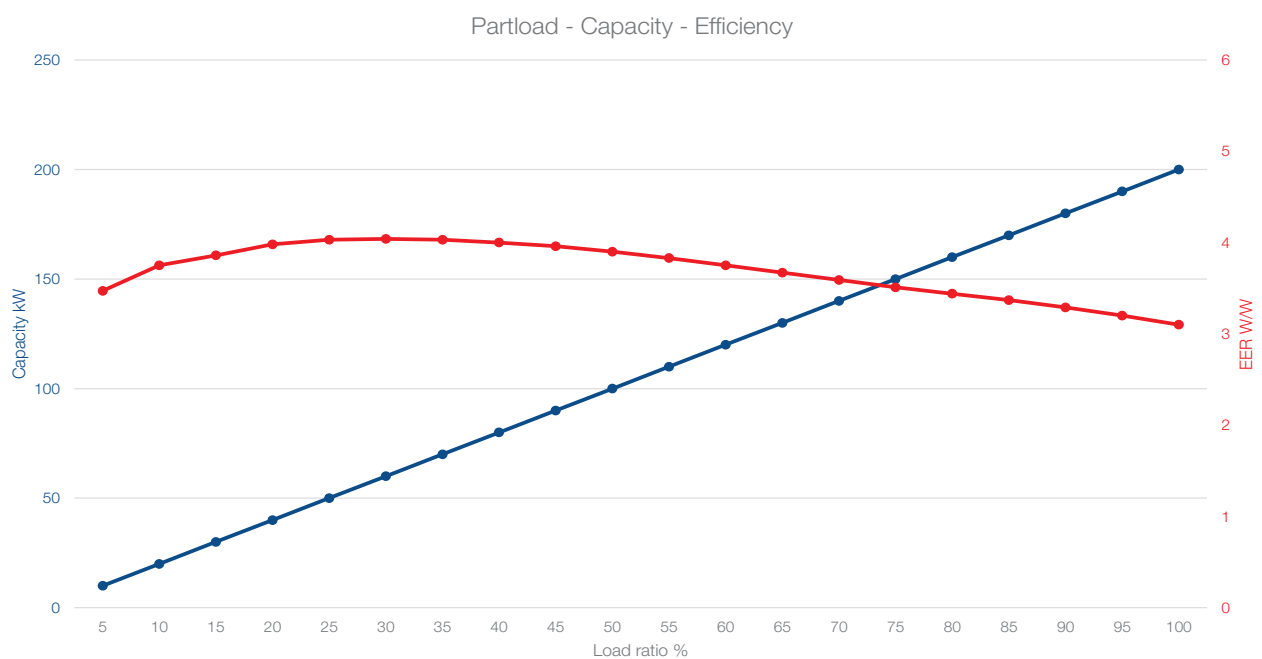
Type **RUAGP561C28E** stock model

Specified conditions			
AMBIENT CONDITIONS			
Outside Air	❄️	35	°C DB
Outlet Water	❄️	7	°C
Inlet Water	❄️	12	°C
CAPACITY CHARACTERISTICS			
Cooling capacity	❄️	200	kW
Max. cooling capacity	❄️	207	kW
EFFICIENCY			
SEER	❄️	4,75	W/W
EER	❄️	3,10	W/W
ELECTRIC CHARACTERISTICS			
Power supply ^{2,3}		380 - 400 / 3 / 50	V / Ph+N / Hz
Operation current ^{2,3}		94,1	A
Power consumption ^{2,3}		64,5	kW
Power factor ^{2,3}		99	%
FLUID CHARACTERISTICS			
Flow rate range ²		150 to 650	L/min
Flow rate ²		573	L/min
Pressure drop ²		95,9	kPa
External pressure ²		65,0	kPa
Minimum holding water in system		1.434	L

¹⁾ „Integrated heating capacity“ represents the capacity including effects of frosting and defrosting.

²⁾ These are characteristics under specified conditions.

³⁾ The integrated pump part is not included in the electric characteristics.



Load Ratio %	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Capacity kW	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
EER W/W	3,47	3,75	3,86	3,98	4,03	4,04	4,03	4,00	3,96	3,90	3,83	3,75	3,67	3,59	3,51	3,44	3,37	3,29	3,20	3,10

Integrated pump specs

Rated output	2,2	kW
Pumping system	Centrifugal Pump	
Starting method	Inverter	
Flow control system	Inverter	
Max. operation current	4,3 x 1	A
Max. power consumption	2,8 x 1	kW

Sound pressure level (Measurement position: 1.0 m distance, 1.5 m height)

Control-box side	69,7	dB(A)
Air heat-exchanger side	74,0	dB(A)
Water piping side	68,6	dB(A)

Sound power level

Single module	90,9	dB(A)
Overall system	90,9	dB(A)

Physical Data of Air-Cooled Chiller

Dimensions	2.350	mm	Height
	1.000	mm	Width
	3.300	mm	Depth
Shipping Weight	1.318 x 1	kg	
Compressor	Twin Rotary x 4		Type / Pieces
	13,2 x 4	kW	Motor Output
	Inverter		Type of Start
	37 x 4	W	Comp. Heater Wattage
Condenser Coil - Air Side	Plate Fin Coil x 8		
Fan unit	Propeller Fan x 4		Fan / Pieces
	1.230 at max.	m ³ /min	Air Quantity
	1,2 x 4	kW	Motor Output
Cooler - Water side	Brazed Plate Type x 2		
Refrigerant	8,8 x 4	kg	R32 Charge
	Electric Expansion Valve		Control
Capacity Control Steps	0, 4 ~ 100 (Stepless)	%	
Operation Control Process		Microprocessor control based on leaving water temperature and water temperature difference	
Operating Limit - LWT	4 ~ 30	°C	
Operating Limit - OAT	-15 ~ 52 DB	°C	
Water Inlet Connection	3" Flange x 1	inch	
Water Outlet Connection	3" Flange x 1	inch	

Fits perfect for ...

Offices



Data Centers














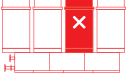
150 KW HEATPUMP, HIHEATING – WATER / BRINE, 2,2 KW PUMP

Type RUAGP421F28E stock model



USX Chiller constructed as universal cold and warm water generator with highest operational and fail-safe reliability. The compact X-design with unique 4-in-1 module concept delivers outstanding Smart Features.

SMART FEATURES

-  Wide operation range ✓
-  Twin rotary compressor – stepless controlled 5 – 100 % ✓
-  Operational reliability by modular design ✓
-  All year prompt deliverable from Vienna warehouse ✓
-  Environmentally friendly refrigerant R32 ✓
-  Continuous heating ✓
-  150 kW – 25,6 MW performance range scaled modular ✓
-  space saving X-frame chassis design ✓
-  WIFI connectivity ✓
-  High electric power factor ✓
-  High energy efficiency ✓
-  Auto Back-Up function ✓

TECHNICAL KEY FACTS

- Air-cooled Heatpump chiller in a modular compact design
- Flexibility through modular combinability up to 25.600 kW
- Wide operating range down to -25°C or up to +52°C outdoor temperature
- Redundancy through 4 independent separate refrigeration circuits
- Optimal operational safety thanks to 4x TOSHIBA R32 inverter twin rotary compressors
- 4x inverter axial fan
- Best efficiency through stepless inverter control down to 5 % nominal capacity
- Soft start for low starting current
- Space-saving X-design
- Electronic expansion valves (PMV)
- 8x Air/R32 high efficiency heat exchangers
- 2x R32/Water high-efficiency heat exchangers
- 2x flange connection PN16
- 1x flanged dirt trap
- 2x temperature sensor
- Unit-Controller UC
- PWM converter for high electrical power factor and reduction of electrical connected load
- Electrical control cabinet
- Condensate tray heating
- Case heating
- Oil sump heating
- Frost protection thermocouple
- Mobile system- and energy-monitoring via an APP and WIFI, including non-stop operation recording
- Silent version
- Optimised for heating operation at lowest outdoor temperatures down to -25°C
- Leaving water temperature up to +55°C
- With r.H. sensor for optimizing the defrost cycles

Fits best for

- ✓ Air Handling Units for dehumidification
- ✓ Hospitals
- ✓ Offices
- ✓ Shopping Centers
- ✓ Hotels

150 KW HEATPUMP, HIHEATING – WATER / BRINE, 2,2 KW PUMP

Type RUAGP421F28E stock model

→ Performance Code 50 HP / 150 kW
Integrated 2,2 kW pump
Basic EER
HiHeating Capacity
LWT 4 ~ 30 °C ❄️
25 ~ 55 °C ☀️

Specified conditions			
AMBIENT CONDITIONS			
Outside Air	❄️	35	°C DB
Outlet Water	❄️	7	°C
Inlet Water	❄️	12	°C
Outside Air	☀️	7	°C DB
Outside Air WB	☀️	6	°C WB
Outlet Water	☀️	35	°C
Inlet Water	☀️	30	°C
CAPACITY CHARACTERISTICS			
Cooling capacity	❄️	150	kW
Max. cooling capacity	❄️	165	kW
Heating capacity	☀️	150	kW
Integrated heating capacity ¹	☀️	150	kW
Max. heating capacity	☀️	175	kW
EFFICIENCY			
SEER	❄️	4,88	W/W
SCOP	☀️	4,26	W/W
EER	❄️	3,53	W/W
COP	☀️	4,53	W/W
ELECTRIC CHARACTERISTICS			
Power supply ^{2,3}		380 - 400 / 3 / 50	V / Ph+N / Hz
Operation current ^{2,3}		62,0	A
		48,3	A
Power consumption ^{2,3}		42,5	kW
		33,1	kW
Power factor ^{2,3}		99	%
		99	%
FLUID CHARACTERISTICS			
Flow rate range ²		150 to 600	L/min
Flow rate ²		430	L/min
		430	L/min
Pressure drop ²		56,1	kPa
		56,1	kPa
External pressure ²		127	kPa
		127	kPa
Minimum holding water in system		1.075	L

¹⁾ „Integrated heating capacity“ represents the capacity including effects of frosting and defrosting.

²⁾ These are characteristics under specified conditions.

³⁾ The integrated pump part is not included in the electric characteristics.

Integrated pump specs

Rated output	2.2	kW
Pumping system	Centrifugal Pump	
Starting method	Inverter	
Flow control system	Inverter	
Max. operation current	4,3 x 1	A
Max. power consumption	2,8 x 1	kW





Sound pressure level (Measurement position: 1.0 m distance, 1.5 m height)

Control-box side	64,7	dB(A)
Air heat-exchanger side	69,1	dB(A)
Water piping side	65,9	dB(A)

Sound power level

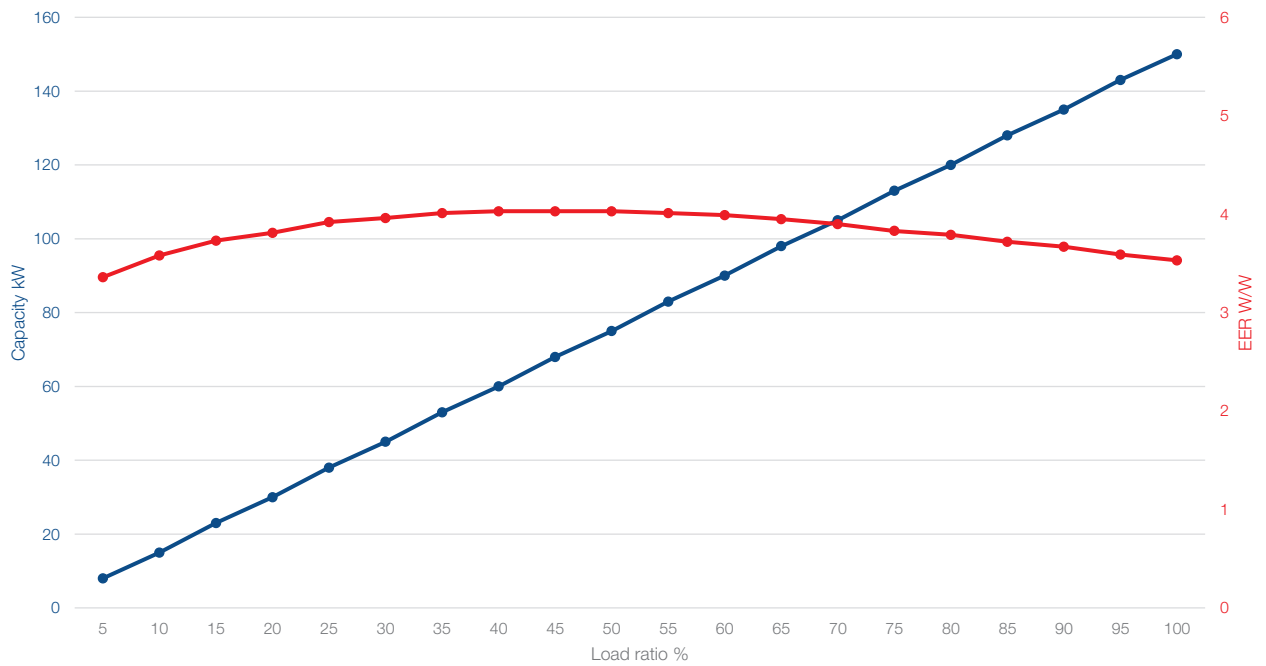
Single module	83,8	dB(A)
Overall system	83,8	dB(A)

Physical Data of Air-Cooled Chiller

Dimensions	2.350	mm	Height
	1.000	mm	Width
	3.300	mm	Depth
Shipping Weight	1.351 x 1	kg	
Compressor	Twin Rotary x 4		Type / Pieces
	9,0 x 4	kW	Motor Output
	Inverter		Type of Start
	37 x 4	W	Comp. Heater Wattage
Condenser Coil - Air Side	Plate Fin Coil x 8		
Fan unit	Propeller Fan x 4		Fan / Pieces
	1.230 at max.	m ³ /min	Air Quantity
	1,2 x 4	kW	Motor Output
Cooler - Water side	Brazed Plate Type x 2		
Refrigerant	8,8 x 4	kg	R32 Charge
	Electric Expansion Valve		Control
Capacity Control Steps	0,5 ~ 100 (Stepless)	%	
Operation Control Process		Microprocessor control based on leaving water temperature and water temperature difference	
Operating Limit - LWT	4 ~ 30	°C	
Operating Limit - LWT	25 ~ 55	°C	
Operating Limit - OAT	-15 ~ 52 DB	°C	
Operating Limit - OAT	-15 ~ 21 DB	°C	
Water Inlet Connection	2-1/2" Flange x 1		
Water Outlet Connection	2-1/2" Flange x 1		

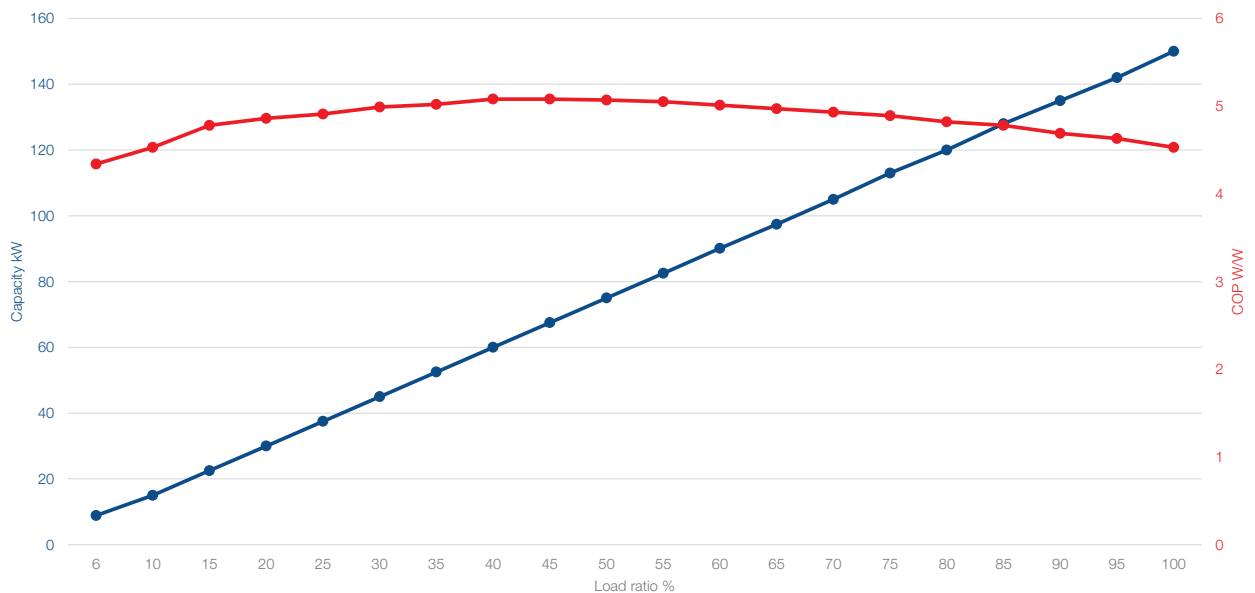
COOLING

Partload - Capacity - Efficiency



HEATING

Partload - Capacity - Efficiency





180 KW HEATPUMP, HIHEATING – WATER / BRINE, 2,2 KW PUMP

Type **RUAGP511F28E** stock model



USX Chiller constructed as universal cold and warm water generator with highest operational and fail-safe reliability. The compact X-design with unique 4-in-1 module concept delivers outstanding Smart Features.

SMART FEATURES

-  Wide operation range ✓
-  Twin rotary compressor – stepless controlled 5 – 100 % ✓
-  Operational reliability by modular design ✓
-  All year prompt deliverable from Vienna warehouse ✓
-  Environmentally friendly refrigerant R32 ✓
-  Continuous heating ✓
-  150 kW – 25,6 MW performance range scaled modular ✓
-  space saving X-frame chassis design ✓
-  WIFI connectivity ✓
-  High electric power factor ✓
-  High energy efficiency ✓
-  Auto Back-Up function ✓

TECHNICAL KEY FACTS

- Air-cooled Heatpump chiller in a modular compact design
- Flexibility through modular combinability up to 25.600 kW
- Wide operating range down to -25°C or up to +52°C outdoor temperature
- Redundancy through 4 independent separate refrigeration circuits
- Optimal operational safety thanks to 4x TOSHIBA R32 inverter twin rotary compressors
- 4x inverter axial fan
- Best efficiency through stepless inverter control down to 5 % nominal capacity
- Soft start for low starting current
- Space-saving X-design
- Electronic expansion valves (PMV)
- 8x Air/R32 high efficiency heat exchangers
- 2x R32/Water high-efficiency heat exchangers
- 2x flange connection PN16
- 1x flanged dirt trap
- 2x temperature sensor
- Unit-Controller UC
- PWM converter for high electrical power factor and reduction of electrical connected load
- Electrical control cabinet
- Condensate tray heating
- Case heating
- Oil sump heating
- Frost protection thermocouple
- Mobile system- and energy-monitoring via an APP and WIFI, including non-stop operation recording
- Silent version
- Optimised for heating operation at lowest outdoor temperatures down to -25°C
- Leaving water temperature up to +55°C
- With r.H. sensor for optimizing the defrost cycles

Fits best for

- ✓ Air Handling Units for dehumidification
- ✓ Hospitals
- ✓ Offices
- ✓ Shopping Centers
- ✓ Hotels

180 KW HEATPUMP, HIHEATING – WATER / BRINE, 2,2 KW PUMP

Type **RUAGP511F28E** stock model

→ Performance Code 60 HP / 180 kW
Integrated 2,2 kW pump
Basic EER
HiHeating Capacity
LWT 4 ~ 30 °C ❄️
25 ~ 55 °C ☀️

Specified conditions			
AMBIENT CONDITIONS			
Outside Air	❄️	35	°C DB
Outlet Water	❄️	7	°C
Inlet Water	❄️	12	°C
Outside Air DB	☀️	7	°C DB
Outside Air WB	☀️	6	°C WB
Outlet Water	☀️	35	°C
Inlet Water	☀️	30	°C
CAPACITY CHARACTERISTICS			
Cooling capacity	❄️	180	kW
Max. cooling capacity	❄️	192	kW
Heating capacity	☀️	180	kW
Integrated heating capacity ¹	☀️	180	kW
Max. heating capacity	☀️	205	kW
EFFICIENCY			
SEER	❄️	4,77	W/W
SCOP	☀️	4,35	W/W
EER	❄️	3,26	W/W
COP	☀️	4,26	W/W
ELECTRIC CHARACTERISTICS			
Power supply ^{2,3}		380 - 400 / 3 / 50	V / Ph+N / Hz
Operation current ^{2,3}		80,5	A
		61,6	A
Power consumption ^{2,3}		55,2	kW
		42,3	kW
Power factor ^{2,3}		99	%
		99	%
FLUID CHARACTERISTICS			
Flow rate range ²		150 to 600	L/min
Flow rate ²		516	L/min
		516	L/min
Pressure drop ²		78,9	kPa
		78,9	kPa
External pressure ²		92,2	kPa
		92,2	kPa
Minimum holding water in system		1.290	L

¹) „Integrated heating capacity“ represents the capacity including effects of frosting and defrosting.

²) These are characteristics under specified conditions.

³) The integrated pump part is not included in the electric characteristics.

Integrated pump specs

Rated output	2.2	kW
Pumping system	Centrifugal Pump	
Starting method	Inverter	
Flow control system	Inverter	
Max. operation current	4,3 x 1	A
Max. power consumption	2,8 x 1	kW





Sound pressure level (Measurement position: 1.0 m distance, 1.5 m height)

Control-box side	68,2	dB(A)
Air heat-exchanger side	71,2	dB(A)
Water piping side	68,3	dB(A)

Sound power level

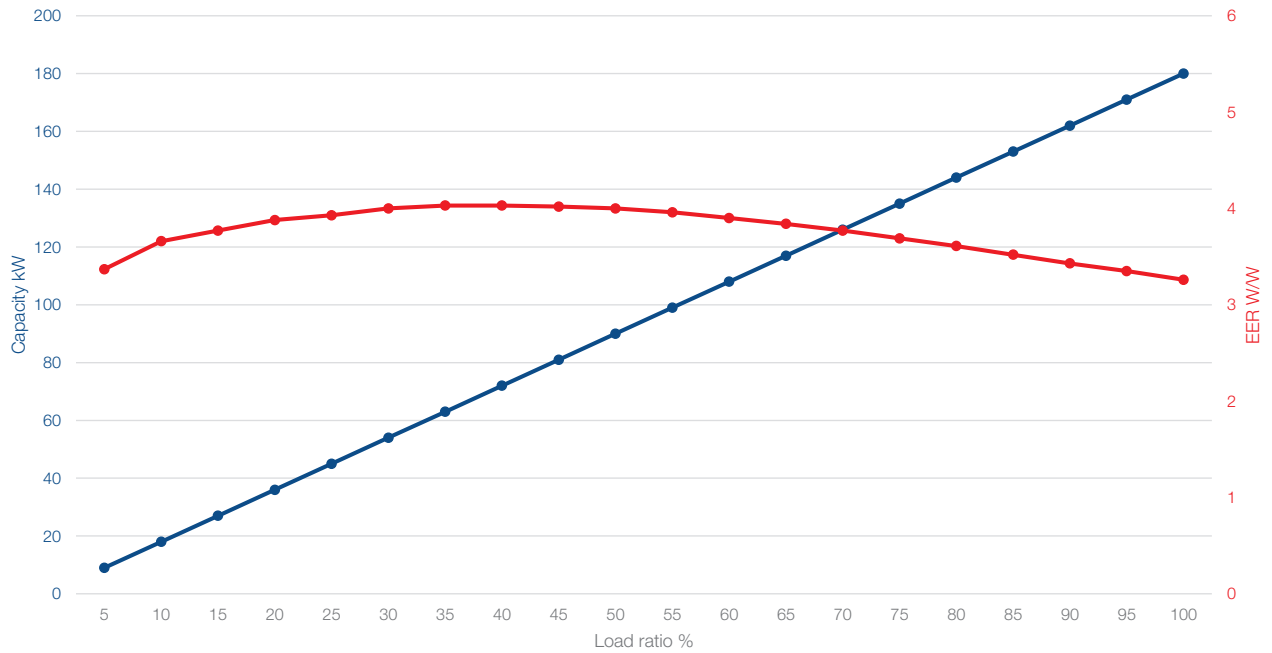
Single module	87,4	dB(A)
Overall system	87,4	dB(A)

Physical Data of Air-Cooled Chiller

Dimensions	2.350	mm	Height
	1.000	mm	Width
	3.300	mm	Depth
Shipping Weight	1.351 x 1	kg	
Compressor	Twin Rotary x 4		Type / Pieces
	11,2 x 4	kW	Motor Output
	Inverter		Type of Start
	37 x 4	W	Comp. Heater Wattage
Condenser Coil - Air Side	Plate Fin Coil x 8		
Fan unit	Propeller Fan x 4		Fan / Pieces
	1.230 at max.	m ³ /min	Air Quantity
	1,2 x 4	kW	Motor Output
Cooler - Water side	Brazed Plate Type x 2		
Refrigerant	8,8 x 4	kg	R32 Charge
	Electric Expansion Valve		Control
Capacity Control Steps	0,4 ~ 100 (Stepless)	%	
Operation Control Process		Microprocessor control based on leaving water temperature and water temperature difference	
Operating Limit - LWT	4 ~ 30	°C	
Operating Limit - LWT	25 ~ 55	°C	
Operating Limit - OAT	-15 ~ 52 DB	°C	
Operating Limit - OAT	-15 ~ 21 DB	°C	
Water Inlet Connection	2-1/2" Flange x 1		
Water Outlet Connection	2-1/2" Flange x 1		

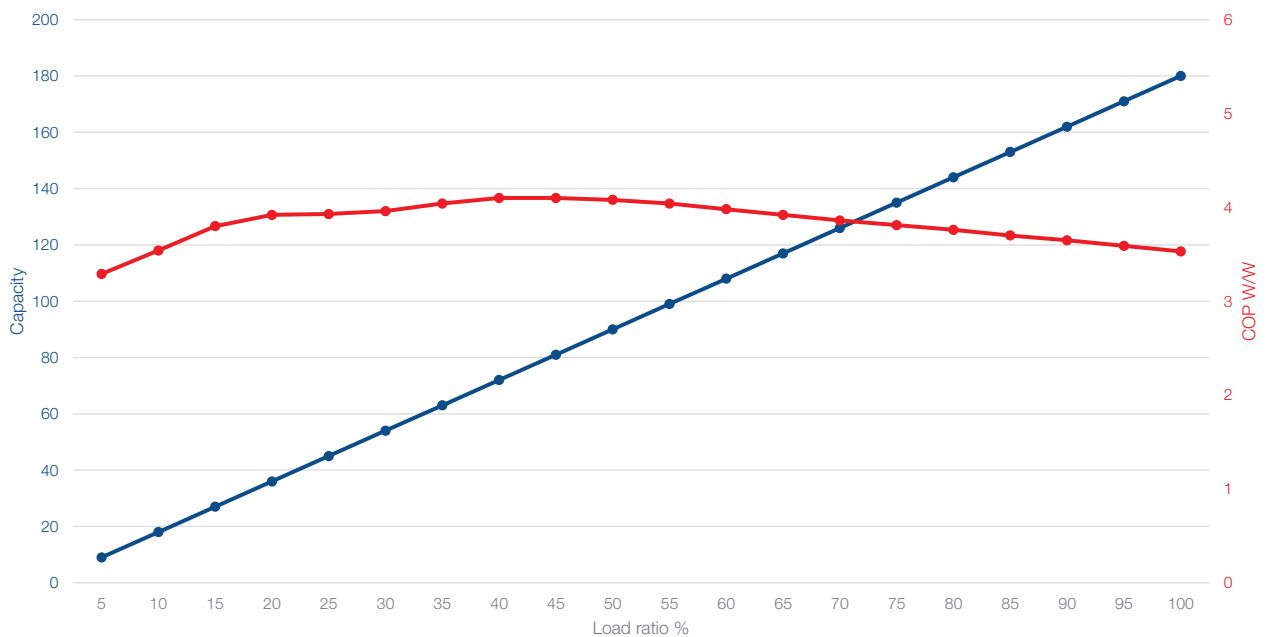
COOLING

Partload - Capacity - Efficiency



HEATING

Partload - Capacity - Efficiency







Automotive Factory

The customer is an industrial company in the automotive manufacturing industry. The customer's original gas absorption chiller needed to be replaced after nearly 20 years of operation to save energy, easily control temperature, and reduce operating costs. Using the highly efficient USX reduced ongoing costs and provided risk diversification with a backup for each module.

We will advise you personally

YOUR CERTIFIED TOSHIBA PARTNER

TOSHIBA specialist partner:

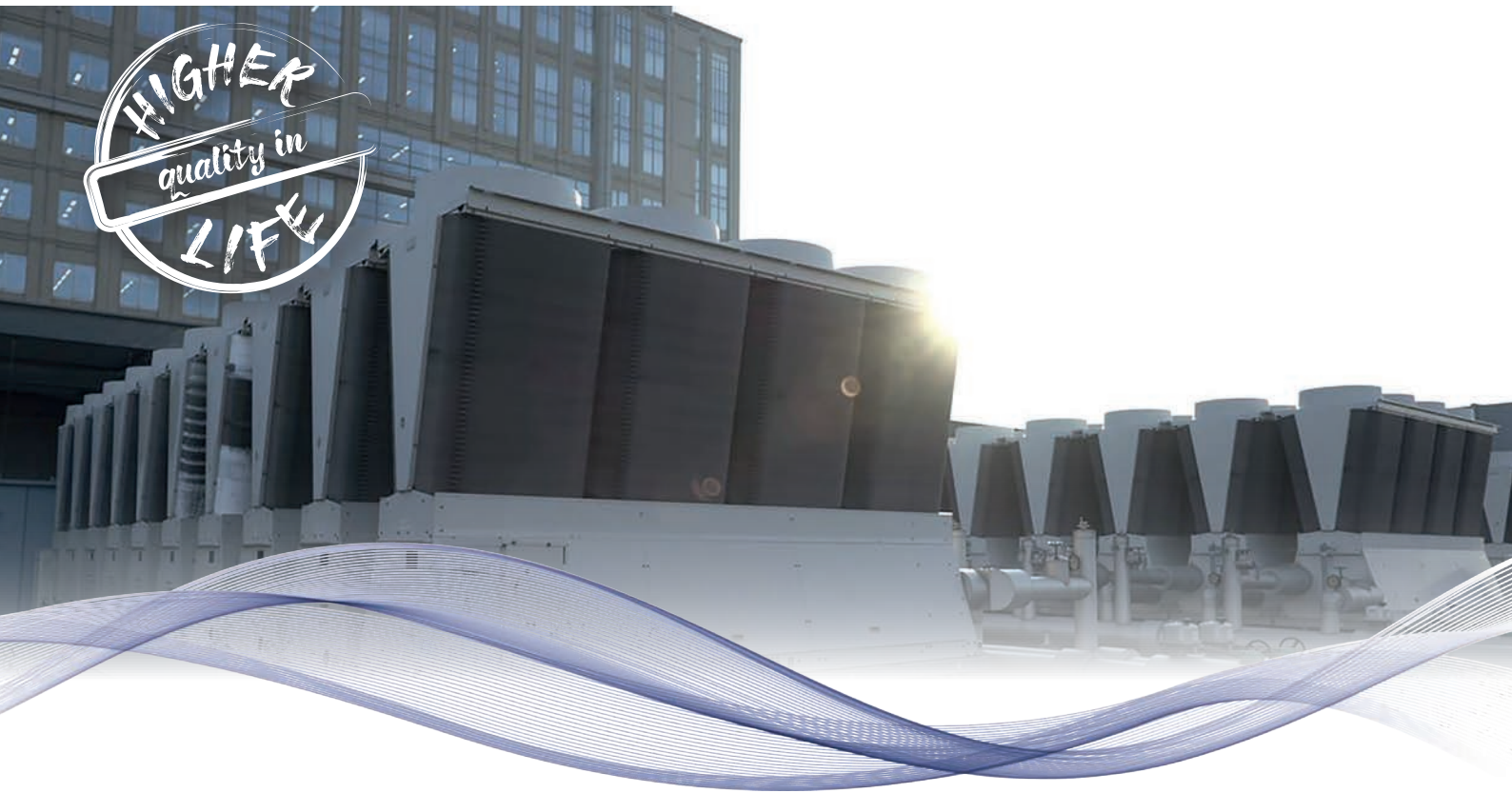


TOSHIBA is proud of its network of qualified specialist companies in the refrigeration and air conditioning industry. With a TOSHIBA air conditioning system, you not only get top product quality, you also receive professional advice, planning, installation and service. Rely on a perfect climate from a specialist!



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With the commercial applications for industry and trade, TOSHIBA covers the entire range. Contact your TOSHIBA specialist partner or visit our website for detailed information.



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Further information about Toshiba products and sales partners can be found directly on our website: www.toshiba-aircondition.com