TOSHIBA

COMPACT POWER PACKS

Digital Inverter BIG Single Fan

Highlights

Compact – durable – highly efficient
Easy Install & Easy Service Features
3-stage silent setting

Compact Digital Inverter BIG Single Fan outdoor unit with R32 refrigerant for cooling or heating operation. For 1:1 combination with high-pressure duct units and ventilation DX-kits as well as with up to four indoor units in twin/double-twin/triple operation. Available in 19.0 and 22.5 kW cooling capacity.

Performance

- Suitable for 24/7 continuous operation
- Particularly high efficiency in the partial load range
- Regulates to the lowest minimum performance
- Highly compact chassis

Flexibility

- Maximum piping lengths up to 100 m
- Maximum height differences up to 30 m
- Up to 4 indoor units can be connected
- Flexible control options available
- Wide operating temperature range from -27 to +46°C
- Optimal ratio of cooling and heating performance to installation area

Technical details

- Twin rotary compressor
- DC hybrid inverter technology
- Power supply 3-phase, 400 V
- 3-stage noise reduction adjustable via wired remote control
- Save operation demand-limitation adjustable from 50% to 100%

The Digital Inverter System

- 100% TU2C-Link compatibility
- Special functions with RAV-HM indoor units
- Special solutions for technical cooling / IT
- Backup / rotation / redundancy functions
- Free Cooling control
- Power Shift increases service life and saves energy
- Supports comfort remote control RBC-AMSU52-E
- Supports comfort remote control RBC-AWSU52-E with Bluetooth functionality
- Special Easy Commissioning solutions
- Special Quick Service Tools
- Commissioning mode for clear display of all sensor data
- Easy Monitor menu for checking all sensor information
- Easy I.DN Setting for easy DN code setting
- Pressure Estimation Display during test operation
- Refrigerant quantity check
- Energy Monitoring with WiFi interface (optional)

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Technical data			RAV-GM2243AT8P-E
Cooling capacity	kW	❄	19,00
Cooling range (min.-max.)	kW	❄	4,60 - 22,40
Power consumption (min./nom./max.)	kW	❄	5,97
Energy efficiency EER	W/W	❄	3,18
Energy efficiency SEER		❄	6,30
Outdoor temperature operating range (min.-max.)	°C	❄	-20/+46
Heating capacity	kW	☀	22,40
Heating range (min.-max.)	kW	☀	4,60 - 25,00
Power consumption (min./nom./max.)	kW	☀	6,91
Energy efficiency COP	W/W	☀	3,24
Energy efficiency SCOP		☀	3,80
Outdoor temperature operating range (min.-max.)	°C	☀	-27/+15
Capacity code	HP		8
Sound power level	dB(A)	❄	75
Sound power level	dB(A)	☀	77
Sound pressure level (low/med/high)	dB(A)	❄	58
Sound pressure level (low/med/high)	dB(A)	☀	60
SWL (LW) Night Operation, Level 1/2/3	dB(A)	❄	65/70/73
SWL (LW) Night Operation, Level 1/2/3	dB(A)	☀	67/72/75
SPL (Lp) Night Operation, Level 1/2/3	dB(A)	❄	48/53/56
SPL (Lp) Night Operation, Level 1/2/3	dB(A)	☀	50/55/58
Suction gas pipe diameter	mm (inch)		28,6 (1 1/8)
Liquid pipe diameter	mm (inch)		9,5 (3/8)
Pipe length (min.)	m		5
Pipe length (max.)	m		100
Height difference (max.)	m		30
Airflow	m^3/h		6600
Power supply	V/Ph+N/Hz		380-415/3+N/50
Recommended power supply line type			H07RN-F 5G2,5
Communication line			H07RN-F 4G1,5
Compressor type			Twin-Rotary
Refrigerant			R32
Refrigerant charge	kg		4,80
Pre-charged up to	m		30
Added refrigerant charge	g/m		40
Dimensions (HxWxD)	mm		890 x 1100 x 460
Weight	kg		115

❄ Cooling ☀ Heating

The measuring conditions for this product can be found at https://www.toshiba-aircondition.com/en/measuring-conditions.html

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In order to make it easier for you to select the optimal product, you can find the description of the special TOSHIBA product functions for your model here:

Twin rotary compressor: Long-lasting, smoothly running and highest efficiency.

R32: Used refrigerant: R32.