



ROBUST POWERHOUSE

Digital Inverter BIG



Highlights

- Versatile with a high capacity
- Controllable min. capacity up to 17% of nominal capacity
- 1:1 single or up to 4 indoor units can be connected



Digital Inverter BIG outdoor unit with refrigerant R410A for cooling or heating. For 1:1 combination with high-pressure duct units and valve kits as well as with up to four indoor units in twin/double twin/triple operation. Available in power levels 20.0 and 23.0 kW.



Performance

- Suitable for 24/7 continual operation
- Best-in-class energy efficiency values
- EER values up to 3.24 are possible depending on the combination
- COP values up to 3.80 are possible depending on the combination
- Exceptionally high efficiency in the partial load range
- Controls at the lowest, min. capacities



Technical details

- Direct current hybrid inverter technology
- Twin-rotary compressor
- Power supply 3-phase, 400 V
- Kit available for noise reduction & power limitation
- Integrated leak detection (with RBC-AMS54E-ES remote control)



Flexibility

- Max. pipe lengths up to 100 m
- Max. height differences up to 30 m
- Up to 4 indoor units can be connected
- Flexible control options
- Extreme outside temperature operating range from -27 to +52°C
- Optimal ratio of unit capacity to installation surface

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Technical data			RAV-SM2804AT8-E
Cooling capacity	kW	❄️	23,00
Cooling range (min.-max.)	kW	❄️	9,80 - 27,00
Power consumption (min./nom./max.)	kW	❄️	3,36/12,76
Energy efficiency EER	W/W	❄️	2,63
Outdoor temperature operating range (min.-max.)	°C	❄️	-15/+46
Heating capacity	kW	🔥	27,00
Heating range (min.-max.)	kW	🔥	9,80 - 31,50
Power consumption (min./nom./max.)	kW	🔥	2,57/11,01
Energy efficiency COP	W/W	🔥	3,31
Outdoor temperature operating range (min.-max.)	°C	🔥	-20/+15
Sound power level	dB(A)	❄️	74
Sound power level	dB(A)	🔥	75
Suction gas pipe diameter	mm (inch)		28,6 (1 1/8)
Liquid pipe diameter	mm (inch)		12,7 (½)
Pipe length (min.)	m		7,5
Pipe length (max.)	m		70
Height difference (max.)	m		30
Power supply	V/Ph+N/Hz		380-415/3N/50
Recommended fusing	A		3x 25
Compressor type			Twin-Rotary
Refrigerant			R410A
Refrigerant charge	kg		5,90
Pre-charged up to	m		30

❄️ Cooling 🔥 Heating

The measuring conditions for this product can be found at <http://www.toshiba-klima.at/en/measuring-conditions.html>



Energy Label: Energy label **A+ to A+++**, indicates the power consumption and energy efficiency class.



HI POWER: Particularly strong airflow for quickly reaching the requested temperature.



ErP Ecodesign: All criteria of **ECODESIGN**-guideline are fulfilled and confirm highest system efficiency.



Auto diagnostic: Check of system for flawless operation.



Hybrid inverter control: Smooth capacity regulation.



Eco Mode: Energy saving function.



Rotary compressor: Reliability and high efficiency.



Quiet Mode: Particularly low noise level - whispering mode.



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



Comfort Sleep: Gradual increase of temperature by 2 °C until morning.



R410A: Used refrigerant: R410A.



Power Selection: Capacity regulation and therefore power savings of up to 25, 50 or 75%.



R32: Used refrigerant: R32.



Floor Mode: Natural floor warming effect for greater comfort.



Wifi ready: Optional control of the system via a smartphone.



Preset Mode: Activates individual settings at the touch of a button.



KNX: Optional KNX bus connection.



One Touch Mode: Fully automatic operation adapted to your needs.



Dust filter: Washable filter against coarse contamination.



Timer: Individual programming of on-/off times.



IAQ filter: Fine mesh filter with natural substances.



Off Timer: Shutdown of the unit at chosen times (30 min to 12 h).



Active carbon-catechin filter: Cleansing filter with enzymes from green tea.



Week Timer: Up to four settings per day and seven per week.



Plasma filter: Pure Mode: Electrostatic filter system.



Automatic Restart: After a power blackout.



Air ionizer: Negative ions cover polluted particles in the air. Dust, pollen and smoke are neutralized.



8 °C frost protection function: Frost protection for uninhabited rooms.



Self-cleaning function: Usage of condensate water for cleaning.



Louver: Flexible setting of louvers.



Auto Mode: Automatic selection between cooling and heating.



3D Airflow: 6 different airflow patterns in all directions.