

Make it easy



AMRTA Variable Speed Rooftop Packaged Unit



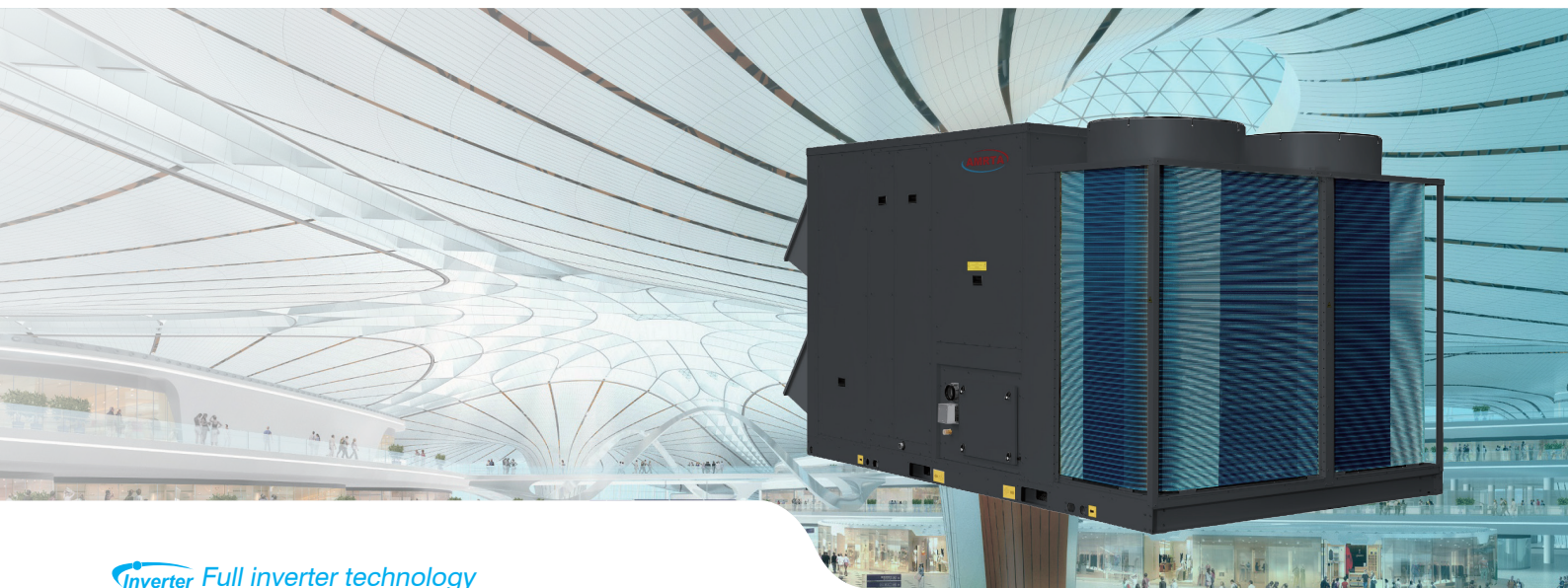
45~150kW



48~159kW



8500~26000m³/h



 Full inverter technology



Greater occupant comfort



Low operating cost

Advantages

Eco-friendly

R32 refrigerant with very low GWP(675) +inverter rotary compressor+Low energy consumption EC fan

- Delivers greater occupant comfort
- Quiet operation
- Low life cycle costs
- Reliable operation
- Reduced energy consumption
- High efficiency
- Plug-and-play design
- Extensive factory-installed options
- Easy to service

Amrta inverter rooftop packaged unit achieves higher efficiency, reduced sound, improved indoor air quality and high reliability through variable speed compressor and EC fan motor technology.

Full-inverter technology

Wide capacity range cooling 45kW to 150kW, heating 48kw-159kW

BMS compatible Modbus RTU as a standard

Multiple options for supply and return air duct connections

Acoustics

Insulated compressor enclosure for quiet design

Variable speed fan and compressor reduce sound levels at lower load conditions

EC motor uses less energy to produce more airflow with minimal sound



Physical data



MODEL		RTU45	RTU60	RTU70	RTU80	RTU90	RTU105	RTU120	RTU150	
Cooling Capacity	kW	44.5	60	70	80	90	105	120	149	
Heating Capacity	kW	48.7	64	75.4	85.5	96.2	112.2	128.3	159.2	
Power Supply		380~415V / 3Ph / 50Hz								
Cooling Power Input	kW	15.8	21.8	25.7	31.9	31.9	31.9	44	52	
Heating Power Input	kW	14.4	20	24.8	29.4	29.4	29.4	39.7	48.5	
Unit Start Electric Current	A	165	172	197	194	194	194	215	316	
Electric current(Cooling)	A	29.3	37.7	46	58.8	58.8	58.8	80.2	93.6	
Electric current(Heating)	A	27.5	35.3	43.2	55	55	55	75.2	88.5	
Throttle		Electronic Expansion Valve								
Refrigerant System		1	1	2	2	2	2	2	3	
Refrigerant		R32								
Compressor	Type	Scroll Compressor								
	Qty	1	1	1	2	2	2	2	3	
CONDENSER										
Condenser	Type	Blue Aluminum Fin with Copper Pipe								
Fan	Qty	2	2	2	2	2	2	2	2	
	Drive Type	Directly Drive								
	Motor Power	kW	0.55	0.75	0.9	1.1	1.25	1.5	1.5	2.2
	Air Flow	m ³ /h	16500	21000	27000	33000	36000	42000	42000	54000
EVAPORATOR										
Evaporator	Type	Blue aluminum fin with Copper pipe								
Fan	Qty	1	2	2	2	2	2	4	4	
	Single Motor Power	kW	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	Air Flow	m ³ /h	8500	11200	13500	16000	16000	16000	23000	26000
	Drive Type	EC Plug Fan								
ESP (Pa)		100~330	100~550	100~450	100~350	100~350	100~350	100~370	100~320	
Filter		G3	G3	G3	G3	G3	G3	G3	G3	
Sound Level dB(A)		73	73	75	74	74	74	80	82	
Refrigerant Charge (kg)		10.5	15	2x8.5	2x10	2x10.5	2x11.5	2x15	3x11	
DIMENSIONAL DATA & WEIGHT										
Dimension	L	mm	1940	2390	2390	2500	2500	2500	3400	3400
	W	mm	1900	2050	2050	2200	2200	2200	2200	2200
	H	mm	1178	1565	1565	1865	1865	1865	1810	2020
Net weight	kg	750	760	860	1160	1160	1160	1710	1850	

* Performance values refer to the following conditions:

Cooling: room air temperature 27.0°C DB RH 50%, ambient air temperature 35°C.

Heating: room air temperature 21.0°C DB, ambient air temperature 7°C DB / 6°C WB.

** Noise level measured by adopting average value in the noise lab with background noise of 25 dB(A), at a distance of 1.5m high fan speed.



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AMRTA has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.