

Inverter Modular Air-cooled Chiller(Heat Pump)

A Series



A Series Inverter Modular Air-cooled Chiller adopts all DC inverter and has wide operational range, compact design and can be modularized.

Features

- High-efficiency and energy-saving, with all DC inverter compressor and fan;
- Quiet and wide operational range;
- Easy installation, modularized combination, intelligent control;
- With water pump switch function for prolonging service life of water pump;
- Long-distance one-key ON/OFF control.



Item	Water side (water temperature)				Air side (outdoor temperature)	
	Nominal operating condition		Operating range		Nominal operating condition	Operating range
	Inlet(°C)	Outlet(°C)	Outlet(°C)	I/O difference(°C)	DB(°C)	DB(°C)
Cooling	12	7	5~20	2.5~6	35	-15~52
Heating	40	45	35~50	2.5~6	7	-20~40

50Hz



Model	Heat pump	JASA-WRF35VM	JASA-WRF60VM	JASA-WRF65VM	
Capacity	Cooling/Heating	kW	32/36	60/65	65/70
		RT	9.10/10.24	17.06/18.48	18.48/19.91
Capacity steps		%	0~100	0~100	0~100
EER/COP		W/W	2.58/3.33	2.74/3.22	2.62/3.20
Power supply		Ph/V/Hz	380-415V~3N~50Hz		
Power input	Cooling	kW	12.40	21.9	24.8
	Heating	kW	10.8	20.2	21.9
Compressor	Type	-	Inverter rotary		
	Starting mode	-	Inverter starting		
	Quantity	-	1	2	2
Water side heat exchanger	Type	-	Dry expansion evaporator		
	Water flow volume	l/s	1.53	2.87	3.11
		GPM	24	46	49
	Pressure drop	kPa	75	55	60
		ft.WG	24.6	18.04	19.68
Connection pipe	-	G1 1/2 External thread connection	G2 External thread connection	G2 External thread connection	
Air side heat exchanger	Type	-	Aluminum fin-copper tube		
	Fan type and quantity	-	Axial-flow/2		
	Total fan airflow	l/s	2×0.347×10 ⁴	2×0.333×10 ⁴	2×0.333×10 ⁴
		CFM	2×0.736×10 ⁴	2×0.707×10 ⁴	2×0.707×10 ⁴
Total fan motor power	kW	0.75	0.75	0.75	
Sound pressure level		dB(A)	62	68	68
Dimension	Outline(W×D×H)	mm	1340×945×1605	2200×965×1675	2200×965×1675
	Package(W×D×H)	mm	1420×920×1775	2267×1030×1867	2267×1030×1867
Net/Gross/Operating weight		kg	379/391/862	689/725/758	689/725/758
Loading quantity	40'GP/40'HQ	set	16/16	11/11	11/11

50Hz



Model	Heat pump	JASA-WRF35VM	JASA-WRF60VM	
Capacity	Cooling/Heating	kW	32/35	60/65
		RT	9.10/9.95	17.06/18.48
Capacity steps		%	0~100	0~100
EER/COP		W/W	2.74/3.3	2.88/3.27
Power supply		V/Ph/Hz	380-415V 3N~ 50Hz	
Power input	Cooling	kW	11.7	20.8
	Heating	kW	10.6	19.9
Compressor	Type	-	Inverter rotary	
	Starting mode	-	Inverter starting	
	Quantity	-	1	2
Water side heat exchanger	Type	-	Dry expansion evaporator	
	Water flow volume	l/s	1.53	2.87
		GPM	24	46
	Pressure drop	kPa	80	55
		ft.WG	26.24	18.04
Connection pipe	-	G1 1/2 External thread connection	G2 External thread connection	
Air side heat exchanger	Type	-	Aluminum fin-copper tube	
	Fan type and quantity	-	Axial-flow/2	
	Total fan air flow	l/s	2×0.175×104	2×0.333×104
		CFM	2×0.371×104	2×0.707×104
Total fan motor power	kW	0.75	0.75	
Sound pressure level		dB(A)	62	68
Dimension	Outline(W×D×H)	mm	1340×845×1605	2200×965×1675
	Package(W×D×H)	mm	1420×920×1775	2267×1030×1867
Net weight/Gross weight/Operating weight		kg	405/422/445	686/722/755
Loading quantity	40'GP/40'HQ	unit	16/16	11/11