

Amazon IV HR



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Combinable modules

Outdoor unit model		K3F-252 DN4S	K3F-280 DN4S	K3F-335 DN4S	K3F-400 DN4S	K3F-450 DN4S	K3F-500 DN4S
Cooling capacity rated	kW	22.4	28	33.5	40	45	50
Cooling input rated	kW	6.54	9.78	11.88	13.21	17.45	21.99
EER		3.43	2.86	2.82	3.03	2.58	2.27
SEER		7.26	6.6	6.8	6.65	6.44	6.22
Energy efficiency $\eta_{s,c}$	%	287.3	261.2	269.10	263.2	254.7	245.7
Heating capacity rated	kW	25	31.5	37.5	45	50	56
Heating input rated	kW	6.30	9	11.83	12.86	15.87	17.07
COP		3.97	3.5	3.17	3.5	3.15	3.28
SCOP		4.29	4.39	4.59	4.27	4.33	4.35
Energy efficiency $\eta_{s,h}$	%	168.5	172.7	180.8	168	170.2	170.9
Communication protocol		S6	S6	S6	S6	S6	S6
No. indoor units		64	64	64	64	64	64
Connectable capacity/Simultaneity	%	50-200	50-200	50-200	50-200	50-200	50-200
Compressor type		Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter
No. compressor		1	1	1	1	1	1
Type refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
t CO ₂ eq	tCO ₂	16.70	16.70	16.70	20.88	20.88	20.88
GWP		2088	2088	2088	2088	2088	2088
Refrigerant charge	kg	8	8	8	10	10	10
No. fans		1	1	1	2	2	2
Air flow	m ³ /h	9000	9500	10000	14000	14900	15800
Static pressure	Pa	0-80	0-80	0-80	0-80	0-80	0-80
Sound pressure	dB(A)	58	61	62	64	64	65
Sound power level	dB(A)	78	82	83	84	88	88
Liquid / Gas pipe diameter	inch	1/2" /	1/2" /	1/2" /	5/8" /	5/8" /	5/8" /
Low / High pressure gas pipe diameter	inch	1" / 3/4"	1" / 3/4"	1" / 3/4"	1-1/8" / 7/8"	1-1/8" / 7/8"	1-1/8" / 7/8"
Width / Height / Depth	mm	990 / 1635 / 790	990 / 1635 / 790	990 / 1635 / 790	1340 / 1635 / 825	1340 / 1635 / 825	1340 / 1635 / 825
Net weight	kg	232	232	232	300	300	300
Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Power wiring	mm ²	(4+T)x4	(4+T)x6	(4+T)x6	(4+T)x8	(4+T)x10	(4+T)x10
Shielded communication wiring	mm ²	3x0.75	3x0.75	3x0.75	3x0.75	3x0.75	3x0.75
Outdoor ambient temperature for cooling min. / max.	°C	-5 / 52	-5 / 52	-5 / 52	-5 / 52	-5 / 52	-5 / 52
Outdoor ambient temperature for heating min. / max.	°C	-25 / 19	-25 / 19	-25 / 19	-25 / 19	-25 / 19	-25 / 19
Outdoor ambient temperature for DHW min. / max.	°C	-20 / 43	-20 / 43	-20 / 43	-20 / 43	-20 / 43	-20 / 43

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Changeover Box

Model		KVBM-32 DN4S	KVBM-49 DN4S	KVBM-63 DN4S	KVBM-85 DN4S
Communication protocol		S6	S6	S6	S6
No. Outlets		1	4	6	10
No. indoors per outlet		8	5	5	5
No indoors per chageover box		8	20	30	47
Max. power per output	kW	32	16	16	16
Max. power per box	kW	32	49	63	85
Liquid / Gas pipe diameter	inch	3/8" / 1/2" /	3/8" / 1/2" / 5/8" / 3/4" /	3/8" / 1/2" / 5/8" / 3/4" /	3/8" / 5/8" / 3/4" / 7/8" /
Low / High pressure gas pipe diameter	inch	5/8" / 3/4" / 7/8" / 1/2" /	3/4" / 7/8" / 1-1/8" / 5/8" /	3/4" / 7/8" / 1-1/8" / 5/8" /	7/8" / 1-1/8" / 1-3/8" /
		5/8" / 3/4"	3/4" / 7/8" / 1-1/8"	3/4" / 7/8" / 1-1/8"	5/8" / 7/8" / 1-1/8"
Width / Height / Depth	mm	440 / 195 / 296	668 / 250 / 574	668 / 250 / 574	974 / 250 / 574
Net weight	kg	10.50	33	36	51
Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50

NOTES:

- (1) The data and specifications included on this sheet may vary without prior notice.
- (2) The images on this sheet are indicative, and may differ from the actual machine.
- (3) Cooling capacity conditions: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB; Equivalent length of piping 7.5 m with 0 m fall; Data calculated with Duct-type indoor unit. Heating capacity conditions: Indoor temperature 20°C DB; Outdoor temperature 7°C DB/6°C WB; Equivalent length of piping 7.5 m with 0 m fall; Data calculated with Duct-type indoor unit.
- (4) The diameters given are for the piping that connects the combination of the outdoor unit with the first indoor branch for systems with total equivalent liquid piping lengths below 90 m. For systems with total equivalent liquid piping lengths of 90 or more, see the engineering data book in order to determine the diameters of the connecting piping.
- (5) Sound pressure level measured at a position 1 m in front of the unit at a height of 1 m above the floor using a semi-anechoic chamber.