

Cassette Inverter

EKHC-D 12 to 42 R

A complete range from 3.4 kW to 11.0 kW



Features

- Inverter DC compressor
- Air filter included
- Condensate pump standard
- Fresh air intake for sizes 24 to 42
- Auto restart
- Low Ambient Kit (available during 2011)
- Rustproof casing
- **Blue fin protection (indoor and outdoor units)**



Remote controller



- Wireless
- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- Room temperature setting
- Fan speed selection
- Timer
- LCD display

Wired control



- 5 operation modes (Cool/Heat/Auto/Dry/Fan)
- Sleep mode
- Room temperature setting
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Technical features

Set reference			EKHC-D-R					
Indoor unit	Sizes	EKCC 12 DS	EKCC 18 DS	EKCC 24 DS	EKCC 30 DS	EKCC 36 DS	EKCC 42 DS	
Outdoor unit	Sizes	ENJC 12 DT	ENJC 18 DT	ENJC 24 DT	ENJC 30 DT	ENJC 36 DT	ENJC 42 DT	
Cooling capacity	kW	3.4 (1.6 - 3.6)	5.3 (1.9 - 5.5)	7.0 (2.4 - 8.3)	8.8 (3.0 - 9.1)	10.3 (3.0 - 11.5)	11.0 (3.5 - 13.0)	
Heating capacity	kW	3.7 (1.6 - 4.0)	6.2 (1.5 - 6.6)	8.7 (3.1 - 9.4)	9.5 (2.5 - 9.9)	11.2 (3.5 - 12.8)	12.4 (3.8 - 14.5)	
Compressor	Type	Rotary						
Refrigerant		R410A						
Power supply	V/Ph/Hz	230 / 1 / 50				230 / 1 / 50 or 400 / 3 / 50		
Power input	Cooling	1.03	1.65	2.19	2.75	3.20	3.30	
	Heating	1.02	1.70	2.40	2.64	3.00	3.30	
EER		3.30	3.21	3.20	3.20	3.22	3.33	
COP		3.61	3.61	3.61	3.60	3.73	3.75	
Energy Class	Cooling	A	A	A	A	A	A	
	Heating	A	A	A	A	A	A	
Indoor airflow (H/M/L)	m³/h	550 / 450 / 350	1180 / 1080 / 1000	1400 / 1270 / 1170	1660 / 1570 / 1500	1660 / 1570 / 1500	1660 / 1570 / 1500	
Sound pressure at 1 m	Indoor (H/M/L)	47 / 45 / 42	47 / 45 / 43	51 / 49 / 48	53 / 51 / 48	53 / 51 / 48	53 / 51 / 48	
	Outdoor	54	57	59	59	61	61	
Dimensions	Indoor	H (mm)	230	240	240	320	320	320
		W (mm)	600	840	840	840	840	840
		D (mm)	600	840	840	840	840	840
	Outdoor	H (mm)	540	700	790	790	1 100	1 100
		W (mm)	776	955	980	980	1 107	1 107
		D (mm)	320	396	427	427	440	440
Panel H / W / D	mm	50 / 650 / 650	60 / 950 / 950	60 / 950 / 950	60 / 950 / 950	60 / 950 / 950	60 / 950 / 950	
Net weight	Indoor unit	20	27	27	32	32	38	
	Outdoor unit	30	48	65	68	86	90	
Piping	Type of connection	Flare						
	Diameter	Gas	3/8"	1/2"	5/8"	5/8"	5/8"	5/8"
Liquid		1/4"	1/4"	3/8"	3/8"	3/8"	3/8"	
Refrigerant charge	g	1 350	1 400	2 400	2 600	3 500	3 800	
Pipe run	Length	20	20	30	30	30	50	
	Height	15	15	15	15	15	30	
Operating limits - cooling mode	min/max	-10°C / +50°C						
Operating limits - heating mode	min/max	-15°C / +24°C						

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB

Nominal heating capacity based on : - Indoor Air Temp. 21°C DB - Outdoor Air Temp. 7°C DB/6°C WB

Piping length : 5 m with initial charge

Sizes 36 and 42: values for single phase models

Accessories

Sizes	12	18	24	30	36	42
Weekly timer						Optional
Central control						Optional