

Full DC Inverter Heat Pump Air Heater

Technical Data Sheet - Split heat pump air heater for rural coal-to-electric heating, winter heating and summer cooling.

Category	Parameter	Unit	RFC-40GW/HLLJ	RFC-30GW/HLMB
General				
	System model	/	RFC-40GW/HLLJ	RFC-30GW/HLMB
	Power supply	/	220V~50Hz	220V~50Hz
	Indoor unit model	/	RFC-40GW/HLLJ	RFC-30W/HLMB
Indoor Unit Performance				
Capacity	Nominal heating capacity	W	4000 (-12°C)	3000 (-12°C)
Capacity	High-temperature heating capacity	W	4000 (7°C) (200-7800)	3000 (7°C) (200-7400)
Capacity	Low-temperature heating capacity	W	4000 (-20°C)	3000 (-20°C)
Capacity	Rated cooling capacity	W	4000 (35°C) (200-5200)	2800 (35°C) (200-4800)
Power Input	Nominal heating	W	1600	1250
Power Input	High-temperature heating	W	1050 (7°C) (80-2800)	780 (7°C) (80-2600)
Power Input	Low-temperature heating	W	1900	1460
Power Input	Rated cooling	W	1600 (35°C) (60-2000)	1200 (35°C) (60-1800)
Current	Nominal heating	A	7.6	5.9
Current	High-temperature heating	A	5.0 (7°C) (0.4-13.3)	3.7 (7°C) (0.4-12.3)
Current	Low-temperature heating	A	9.0	6.9
Current	Rated cooling	A	7.6 (35°C) (0.3-9.5)	5.7 (35°C) (0.3-8.5)
COP	COP at 7°C	/	3.81	3.85
COP	COP at -12°C	/	2.50	2.40
COP	COP at -20°C	/	2.11	2.05
Noise	Indoor unit noise	dB(A)	43	42
Noise	Outdoor unit noise	dB(A)	53	53
	Airflow	m ³ /h	680	650
	HSPF	/	3.45	3.45
	Indoor unit net weight	kg	14.5 / 16.5	14.5 / 16.5
	Maximum input power	W	3000	2800
	Maximum input current	A	15.7	14.0
	Indoor unit dimensions (L x W x H)	mm	700 x 215 x 600	700 x 215 x 600
	Energy efficiency grade	/	Grade 1	Grade 1
Outdoor Unit Parameters				
	Outdoor unit model	/	RFC-40GW/HLLJ	RFC-30GW/HLMB
	Refrigerant / charge	/	R32 / 800g	R32 / 700g
	Outdoor unit maximum input power	W	2970	2770
	Outdoor unit maximum input current	A	15.6	14.6

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	Waterproof rating	/	IPX4	IPX4
	Nominal heating input power	W	1570	1220
	High-temperature heating input power	W	1020	750
	Low-temperature heating input power	W	1870	1430
	Cooling input power	W	1570	1170
	Max. working pressure - discharge / suction side	MPa	4.2 / 1.6	4.2 / 1.6
	Max. working pressure - heat exchanger	MPa	4.2	4.2
	Max. working pressure - high / low pressure side	MPa	4.2 / 1.6	4.2 / 1.6
	Outdoor unit net weight	kg	30.5 / 33.5	26.5 / 29.5
	Outdoor unit dimensions (L x W x H)	mm	818 (864) x 350 x 600	718 (772) x 303 x 540
Operating Range				
	Ambient temperature range - cooling	°C	18-50	18-50
	Ambient temperature range - heating	°C	-30-27	-30-27
	Adjustable temperature range	°C	16-31	16-31
	Compressor	/	Highly WHP05800AEKTA6JTS or GMCC EKPN150D33UFZR2	Highly WHP05800AEKTA6JTS or GMCC EKPN150D33UFZR2

Notes: Capacity and power values are translated from the provided source table. The compressor model row in the source image is small; it has been translated according to the readable text. Final specifications should be confirmed against the product nameplate.