

Ultra-Low Temperature Inverter Heat Pump Water Heater Unit

Technical Specifications

Condition	Item	HLSK-4RCDBII-1N	HLSK-6RCDBII-1N	HLSK-10RCDBII-1N	HLSK-12RCDBII-1N	HLSK-15RCDBII-1N	HLSK-20RCDBII-1N
GENERAL							
	Structure Type	Top Discharge	Side Discharge	Top Discharge	Side Discharge	Top Discharge	Top Discharge
	Energy Efficiency Grade	Grade 1					
	Applicable Ambient Temperature	-30°C ~ 43°C					
	Refrigerant	R410		R32	R32	R32	R32
	Power Supply	220V-N/50Hz	380V-N/50Hz	380V-N/50Hz	380V-N/50Hz	380V-N/50Hz	380V-N/50Hz
HOT WATER CONDITION 1							
A: 20/15°C W: 15-55°C	Heating Capacity (kW)	16	22	40.5	44.5	55	78
	Power Input (kW)	3.46	4.76	8.64	9.65	11.9	16.45
	COP (W/W)	4.62	4.62	4.69	4.61	4.62	4.74
HOT WATER CONDITION 2							
A: 7/6°C W: 9-55°C	Heating Capacity (kW)	12.9	17.6	32	34.5	44.1	62
	Power Input (kW)	3.47	4.78	8.65	9.32	11.82	16.67
	COP (W/W)	3.72	3.68	3.7	3.7	3.73	3.72
HOT WATER CONDITION 3							
A: -7/-8°C W: 9-55°C	Heating Capacity (kW)	9.76	13.5	23.5	27.2	33.6	42
	Power Input (kW)	3.28	4.8	8.36	9.65	11.96	16.8
	COP (W/W)	2.97	2.81	2.81	2.82	2.81	2.5
OTHER PERFORMANCE DATA							
	Max. Input Power (kW)	4.2	8.7	12	13	18	22
	Max. Input Current (A)	18.5	17	24	26	35	43
	Rated Water Flow (m ³ /h)	2.5	3.2	6.9	6.8	9.4	13.4
	Water Production (L/h)	345	472	870	956	1183	1680
	Noise Level dB(A)	≤54	≤62	≤64	≤66	≤69	≤68
	Water-side Pressure Drop (kPa)	60	70	65	80	80	65
	Piping Direction	Right Side	Right Side	Left Side	Right Side	Left Side	Rear
	Pipe Connection Size	G3/4" (female thread)	G1" (female thread)	G1-1/2" (male thread)	G1-1/4" (male thread)	G1-1/2" (male thread)	G2" (male thread)
	Unit Dimensions (mm)	700×700×980	985×400×1020	950×950×1900	1130×430×1555	950×950×2000	1200×1200×2225
	Net Weight (kg)	106	112	240	203	270	440