

# HLHK Series Inverter Air Source Heat Pump

Side Discharge | DC Inverter | Grade 1 Energy Efficiency | R410A | Max. Outlet Water Temperature: 55 °C

Category	Item / Test Condition	HLHK-3LNCDI-1N	HLHK-5LNCDI-1N	HLHK-6LNCDI-1N	HLHK-6LNCDII-1N	HLHK-8LNCDII-1N	HLHK-10LNCDII-1N	HLHK-12LNCDII-1N	HLHK-15LNCDII-1N
General	Air outlet type	Side discharge	Side discharge	Side discharge	Side discharge	Side discharge	Side discharge	Side discharge	Side discharge
General	Control type	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
General	Energy efficiency grade	Grade 1	Grade 1	Grade 1	Grade 1	Grade 1	Grade 1	Grade 1	Grade 1
System	Power supply	220V 1N/50Hz	220V 1N/50Hz	220V 1N/50Hz	380V 3N/50Hz	380V 3N/50Hz	380V 3N/50Hz	380V 3N/50Hz	380V 3N/50Hz
System	Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
System	Max. outlet water temperature (°C)	55	55	55	55	55	55	55	55
Cooling	Cooling capacity (kW) - Ambient DB 35 °C, inlet water 12 °C, outlet water 7 °C	7.5	12.5	15	15	20	25.8	30.0	36.8
Cooling	Rated power input (kW)	2.56	4.30	5.46	5.46	7.66	9.1	11.11	12.82
Heating	Heating capacity (kW) - Ambient DB 7 °C / WB 6 °C, inlet water 40 °C, outlet water 45 °C	8.35	14.98	16.94	16.94	22.5	31	36.5	43
Heating	Rated power input (kW)	2.49	4.54	5.13	5.13	7.03	10.2	11.06	12.2
Heating	Heating capacity (kW) - Ambient DB -12 °C / WB -14 °C, outlet water 41 °C	6	10.6	12.1	12.1	15.2	20.7	24.0	32.0
Heating	Rated power input (kW)	2.50	4.27	4.88	4.88	6.18	8.28	9.60	12.80
Heating	Heating capacity (kW) - Ambient DB -20 °C, outlet water 41 °C	5.50	9.22	10.53	10.53	13.22	18.00	20.4	27.04
Heating	Rated power input (kW)	2.68	4.39	5.01	5.01	6.30	8.41	9.7	12.64
Electrical	Max. input power (kW)	3.52	7.2	7.2	7.2	7.8	11.2	14	18
Electrical	Max. input current (A)	16	33.0	12.5	12.5	14.5	18.9	24.2	31
Water Circuit	Rated water flow (m³/h)	1.29	2.24	2.58	2.58	3.44	4.44	5.16	6.33
Acoustic	Noise level dB(A)	≤55	≤61	≤61	≤61	≤63	≤63	≤65	≤68
Performance	IPLV(H)	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Water Circuit	Heat exchanger type	Plate heat exchanger	Plate heat exchanger	Plate heat exchanger	Plate heat exchanger	Plate heat exchanger	Plate heat exchanger	Plate heat exchanger	Plate heat exchanger
Water Circuit	Water-side pressure drop (kPa)	23	45	45	45	45	37	42	45
Water Circuit	Pipe connection position	Right-side outlet	Right-side outlet	Right-side outlet	Right-side outlet	Right-side outlet	Right-side outlet	Right-side outlet	Right-side outlet
Water Circuit	Connection size	G1.25"	G1.25"	G1.25"	G1.25"	G1.5"	G1.5"	G1.5"	G1.5"
Dimensions	Unit dimensions (W x D x H, mm)	980 x 399 x 928	946 x 448 x 1368	946 x 448 x 1368	946 x 448 x 1368	946 x 448 x 1368	1130 x 430 x 1555	1130 x 430 x 1555	1202 x 567 x 1663
Dimensions	Net weight (kg)	86	104	116	116	118	174	180	251