

# Ultra-low Ambient Inverter Heat Pump Water Heater Units

English technical data sheet translated from the source product table.

Parameter	Test Condition	Unit	HLSK-4RCDBAII-1N	HLSK-6RCDBAII-1N	HLSK-10RCDBII-1N	HLSK-12RCDBII-1N	HLSK-15RCDBII-1N	HLSK-20RCDBII-1N
Air Discharge			Top discharge	Side discharge	Top discharge	Side discharge	Top discharge	Top discharge
Energy Efficiency Grade			Grade 1	Grade 1	Grade 1	Grade 1	Grade 1	Grade 1
Operating Ambient Temperature		deg C	-30 to 43	-30 to 43	-30 to 43	-30 to 43	-30 to 43	-30 to 43
Refrigerant			R410A	R410A	R32	R32	R32	R32
Power Supply			220V-3N/50Hz	380V-3N/50Hz	380V-3N/50Hz	380V-3N/50Hz	380V-3N/50Hz	380V-3N/50Hz
Heating Capacity	A: 20/15 deg C; W: 15-55 deg C	kW	16	22	40.5	44.5	55	78
Power Input	A: 20/15 deg C; W: 15-55 deg C	kW	3.46	4.76	8.64	9.65	11.9	16.45
COP	A: 20/15 deg C; W: 15-55 deg C	W/W	4.62	4.62	4.69	4.61	4.62	4.74
Heating Capacity	A: 7/6 deg C; W: 9-55 deg C	kW	12.9	17.6	32	34.5	44.1	62
Power Input	A: 7/6 deg C; W: 9-55 deg C	kW	3.47	4.78	8.65	9.32	11.82	16.67
COP	A: 7/6 deg C; W: 9-55 deg C	W/W	3.72	3.68	3.70	3.70	3.73	3.72
Heating Capacity	A: -7/-8 deg C; W: 9-55 deg C	kW	9.76	13.5	23.5	27.2	33.6	42
Power Input	A: -7/-8 deg C; W: 9-55 deg C	kW	3.28	4.8	8.36	9.65	11.96	16.8
COP	A: -7/-8 deg C; W: 9-55 deg C	W/W	2.97	2.81	2.81	2.82	2.81	2.50
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		m3/h	2.5	3.2	6.9	6.8	9.4	13.4
Hot 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
Pipe Position			Right side	Right side	Left side	Right side	Left side	Rear
Connection Size			G3/4" internal thread	G1" internal thread	R1-1/2" external thread	R1-1/4" external thread	R1-1/2" external thread	G2" external thread
Unit Dimensions (L x W x H)		mm	700 x 700 x 980	985 x 400 x 1020	950 x 950 x 1900	1130 x 430 x 1555	950 x 950 x 2000	1200 x 1200 x 2225
Net Weight		kg	106	112	240	203	270	440

Note: A = outdoor air dry-bulb/wet-bulb temperature; W = inlet/outlet water temperature. Values are translated from the provided source image and are for reference only. Actual specifications should follow the product nameplate. For the first two models, the source image shows R410; it is listed here as R410A for common international datasheet wording.

# Low Ambient Inverter Heat Pump Water Heater Units

English technical data sheet translated from the source product table.

Parameter	Test Condition	Unit	HLSK-5RDBAII-1N	HLSK-6RDBAII-1N	HLSK-10RDBAII-1N	HLSK-12RDBAII-1N
Air Discharge			Top discharge	Top discharge	Top discharge	Top discharge
Energy Efficiency Grade			Grade 1	Grade 1	Grade 1	Grade 1
Operating Ambient Temperature		deg C	-20 to 43	-20 to 43	-20 to 43	-20 to 43
Power Supply			AC 380V-3N/50Hz	AC 380V-3N/50Hz	AC 380V-3N/50Hz	AC 380V-3N/50Hz
Refrigerant			R410A	R410A	R410A	R410A
Heating Capacity	A: 20/15 deg C; W: 15-55 deg C	kW	19.5	22.5	39.6	44.6
COP	A: 20/15 deg C; W: 15-55 deg C	W/W	4.61	4.71	4.61	4.72
Power Input / Current	A: 20/15 deg C; W: 15-55 deg C	kW / A	4.23 / 7.8	4.78 / 8.5	8.59 / 15.8	9.45 / 17
Heating Capacity	A: 7/6 deg C; W: 9-55 deg C	kW	15.7	17.5	30	35
COP	A: 7/6 deg C; W: 9-55 deg C	W/W	3.64	3.62	3.53	3.62
Power Input / Current	A: 7/6 deg C; W: 9-55 deg C	kW / A	4.31 / 8	4.83 / 8.7	8.5 / 15.4	9.67 / 17.8
Heating Capacity	A: -7/-8 deg C; W: 9-55 deg C	kW	10.5	12	21	24
COP	A: -7/-8 deg C; W: 9-55 deg C	W/W	2.47	2.45	2.41	2.48
Power Input	A: -7/-8 deg C; W: 9-55 deg C	kW	4.25	4.9	8.71	9.68
AHPF		W/W	3.87	3.94	3.83	3.95
Max. Input Power		kW	7.5	8.7	12	16
Max. Input Current		A	16	17	25	34
Noise Level		dB(A)	<=60	<=52.5	<=66	55
Rated Water Flow		m3/h	3.4	3.8	6.5	7.6
Hot Water Production	A: 20/15 deg C	L/h	420	472	850	956
Hot Water Production	A: 7/6 deg C	L/h	294	327	560	655
Water-side Pressure Drop		kPa	62	50	65	65
Water Heat Exchanger Type			Sleeve heat exchanger	High-efficiency tank	Sleeve heat exchanger	High-efficiency tank
Pipe Direction			Right side	Right side	Right side	Right side
Connection Size			G1" internal thread	G1" internal thread	G1-1/2" external thread	G1-1/2" external thread
Overall Dimensions (L x W x H)		mm	700 x 700 x 980	790 x 790 x 1155	1555 x 870 x 1362	1500 x 840 x 1427
Weight		kg	112	132	220	265

Note: A = outdoor air dry-bulb/wet-bulb temperature; W = inlet/outlet water temperature. Values are translated from the provided source image and are for reference only. Actual specifications should follow the product nameplate. For the A -7/-8 deg C condition, the source image lists only power input values under the power/current row.