

# Low Temperature Inverter Heat Pump Water Heater Unit Parameters

## Technical Specifications

Condition / Section	Parameter	Unit	HLSK-5RDBAII-1N	HLSK-6RDBAII-1N	HLSK-10RDBAII-1N	HLSK-12RDBAII-1N
<b>GENERAL</b>						
	Structure Type	-	Top Discharge	Top Discharge	Top Discharge	Top Discharge
	Energy Efficiency Grade	-	Grade 1	Grade 1	Grade 1	Grade 1
	Applicable Ambient Temperature	°C	-20 ~ 43	-20 ~ 43	-20 ~ 43	-20 ~ 43
	Power Supply	-	AC 380V-3N/50Hz	AC 380V-3N/50Hz	AC 380V-3N/50Hz	AC 380V-3N/50Hz
	Refrigerant	-	R410A	R410A	R410A	R410A
<b>HOT WATER CONDITION 1</b>						
A: 20/15°C	Heating Capacity	kW	19.5	22.5	39.6	44.6
W: 15~55°C	COP	W/W	4.61	4.71	4.61	4.72
	Power Input / Current	kW / A	4.23 / 7.8	4.78 / 8.5	8.59 / 15.8	9.45 / 17
<b>HOT WATER CONDITION 2</b>						
A: 7/6°C	Heating Capacity	kW	15.7	17.5	30	35
W: 9~55°C	COP	W/W	3.64	3.62	3.53	3.62
	Power Input / Current	kW / A	4.31 / 8	4.83 / 8.7	8.5 / 15.4	9.67 / 17.8
<b>HOT WATER CONDITION 3</b>						
A: -7/-8°C	Heating Capacity	kW	10.5	12	21	24
W: 9~55°C	COP	W/W	2.47	2.45	2.41	2.48
	Power Input	kW	4.25	4.9	8.71	9.68
<b>OTHER PERFORMANCE DATA</b>						
	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	dB(A)	≤60	≤52.5	≤66	≤55
	Rated Water Flow	m³/h	3.4	3.8	6.5	7.6
	Water Production (A: 20/15°C)	L/h	420	472	850	956
	Water Production (A: 7/6°C)	L/h	294	327	560	655
	Water-side Pressure Drop	kPa	62	50	65	65
	Water Heat Exchanger Type	-	Tube-in-tube	High-efficiency Tank	Tube-in-tube	High-efficiency Tank
	Connection Direction	-	Right Side	Right Side	Right Side	Right Side
	Connection Specification	-	G1" Female Thread	G1" Female Thread	G1-1/2" Male Thread	G1-1/2" Male Thread
	Overall Dimensions	mm	700x700x980	790x790x1155	1555x870x1362	1500x840x1427
	Weight	kg	112	132	220	265

A = Air temperature, W = Water temperature

Specifications are subject to change without prior notice.