



TECHNICAL DATA

AIR-WATER HEAT PUMPS IGLU® INUIT

Technical data of IGLU ® INUIT 6÷16kW air-water heat pumps

	Units	6 kW	9 kW	12 kW	16 kW
Air-water used					
Nominal Heating capacity/ COP (A7/W35) ¹⁾	kW/ W/W	6,0/ 4,92	9,0/ 4,81	12,0/ 4,63	16,0/ 4,26
Nominal Heating capacity/ COP (A2/W35) ²⁾	kW/ W/W	5,2/ 3,51	7,7/ 3,41	11,0/ 3,48	13,7/ 3,26
Nominal Heating capacity/ COP (A-7/W35) ³⁾	kW/ W/W	5,5/ 2,75	7,9/ 2,72	11,3/ 2,76	13,8/ 2,53
Nominal Heating capacity/ COP (A7/W45) ⁴⁾	kW/ W/W	5,6/ 3,71	8,6/ 3,69	-	-
Nominal Heating capacity/ COP (A7/W55) ⁵⁾	kW/ W/W	5,2/ 2,87	8,0/ 2,93	-	-
Nominal Cooling capacity/ EER (A35/W18) ⁶⁾	kW/ W/W	6,5/ 4,42	8,7/ 4,12	12,0/ 3,87	15,0/ 3,62
Seasonal enr. efficiency η_s LWT 35°C/ 55°C	ETA %	180/ 129	175/ 127	184/ 107	173/ 115
Outdoor units					
Water Flow Rate (35°C)	m³/h	1.04	1.56	2.1	2.76
Water Flow Rate (55°C)	m³/h	0.57	0.87	-	-
Ambient Temperature, Heating	°C	from -25 to +35			
Ambient Temperature, Cooling	°C	from +10 to +46			
Ambient Temperature, DHW	°C	from -25 to +43			
Compressor Type		BLDC Twin Rotary			
Refrigerant Type	kg	R32		R410A	
Refrigerant Factory Charging	kg	0,81	0,95	2,98	
Sound Pressure ⁴⁾	dBA	47	49	50	54
Dimensions (height x width x depth)	mm	880x638x310	940x998x330	940x1420x330	
Weight (without packaging)	kg	46,5	73	100	
Power network connection values					
Electrical connections		1F 220÷240V/ 50Hz		3F 400V/ 50Hz	
Compressor rated power, Heating (A7/W35) ¹⁾	kW	1,22	1,87	2,59	3,76
Compressor rated power, Heating (A7/W35) ¹⁾	kW	1,81	2,73	-	-
Compressor rated power, Cooling (A7/W35) ¹⁾	kW	1,47	2,11	3,10	4,14
Max. current with inrush current limiter	A	20	27,5	16,1	16,1
Piping Connections					
Liquid Pipe Connections	mm	6,35	6,35	9,52	9,52
Gas Pipe Connections	mm	15,88	15,88	15,88	15,88
Max.[Equiv.] Piping length (ODU-IDU)	m	30	35	50	50
Indoor units					
Ambient Temperature	°C	from +5 to +35			
Min. flow temperature	°C	15			
Max. flow temperature ³⁾	°C	65			
Sound Pressure ⁴⁾	dBA	26			
Dimensions (height x width x depth)	mm	1650x600x600			
Weight (without packaging)	kg	135	140	142	145
DHW volume	l	200			
Electric heater power	kW	3 / 6 / 9			

1) A2W Condition: (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°C[DB]/6°C[WB]

2) A2W Condition: (Heating) Water In/Out 30°C/35°C, Outdoor Air 2°CDB

3) A2W Condition: (Heating) Water In/Out 30°C/35°C, Outdoor Air -7°CDB

4) A2W Condition: (Heating) Water In/Out 40°C/45°C, Outdoor Air 7°CDB

5) A2W Condition: (Heating) Water In/Out 47°C/55°C, Outdoor Air 7°CDB

6) A2W Condition: (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°C[DB].

7) 65°C down to +10°C (max. 60°C down to -5°C)

8) Sound pressure level is obtained in an anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. Sound pressure level may differ depending on operation conditions.

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