

Heat Pumps

Theralux Inspire Heat Pump

Technical Specifications					
Model	Theralux Inspire Heat Pump 10kW	Theralux Inspire Heat Pump 13kW	Theralux Inspire Heat Pump 17kW	Theralux Inspire Heat Pump 21kW	Theralux Inspire Heat Pump 28kW
Advised pool volume* (m3)	20-40	30-50	35-65	45-80	65-120
Operating ambient air temperature (°C)	-7°C -43°C	-7°C -43°C	-7°C -43°C	-7°C -43°C	-7°C -43°C
Performance Condition: Air 26°C / Water 26°C , Humidity 80%					
Heating capacity (kW)	10.0	13.5	17.5	20.0	27.3
C.O.P	12.8-5.8	13.8-6.7	12.9-6.6	13.6-6.5	14.6-6.2
C.O.P at 50% capacity	10	10.8	10.1	10.5	10.8
Performance Condition: Air 15°C, Water 26°C, Humidity 70%					
Heating capacity (kW)	7.1	9.6	12.4	14.2	18.0
C.O.P	6.7-4.1	7.2-4.8	6.8-4.7	7.2-4.6	7.8-4.6
C.O.P at 50% capacity	6.1	6.6	6.2	6.4	6.5
Performance Condition: Air 35°C, Water 28°C, Humidity 80%					
Cooling capacity (kW)	3.8	5.1	6.7	7.6	12.1
Electrical Specifications					
Power supply	230V~/1Ph/50Hz	230V~/1Ph/50Hz	230V~/1Ph/50Hz	230V~/1Ph/50Hz	230V~/1Ph/50Hz
Rated input power (kW) at air 15°C / 59°F	0.21-1.73	0.27-1.99	0.37-2.64	0.39-3.08	0.57-3.8
Rated input current (A) at air 15°C / 59°F	1.22-5.56	1.61-8.05	2.00-10.6	2.00-10.6	2.48-16.5
Maximum input current (A)	9.0	12.5	17.0	19.0	20.0
Refrigerating System Specifications					
2 charge mass (g) I max. pressure (MPa)	750 I 4.2	800 I 4.2	1000 I 4.2	1200 I 4.2	2000 I 4.2
Operational Specifications					
Advised water flow rate (m3/h)	3-4	4-6	6.5-8.5	8-10	10-12
Sound pressure level at 1m dB(A)	40.8-52.0	41.9-53.9	45.2-56.3	45.3-57.1	43.8-57.9
Sound pressure level at 10m dB(A)	20.8-32.0	21.9-33.9	25.2-36.3	25.3-37.1	23.8-37.9
Water pipe outer diameter in-out (mm)	48.3	48.3	48.3	48.3	48.3

Dimensions					
Model	Theralux Inspire Heat Pump 10kW	Theralux Inspire Heat Pump 13kW	Theralux Inspire Heat Pump 17kW	Theralux Inspire Heat Pump 21kW	Theralux Inspire Heat Pump 28kW
Dimensions	894mm (L), 359mm (W), 648mm (H)	894mm (L), 359mm (W), 648mm (H)	954mm (L), 359mm (W), 648mm (H)	954mm (L), 359mm (W), 747mm (H)	1084mm (L), 429mm (W), 948mm (H)
Weight	46kg	49kg	60kg	68kg	90kg

