

Technical Product Submittal – HPMAX105

Model Number:	6105	
HEATING		
(1) Min. Input Power (kW):	25.3	
(1) Heating Capacity (kW):	102.47	
(2) Max. Input Power (kW):	30.35	
(2) Heating Capacity (kW):	97.13	
(1) C.O.P. (W/W):	4.05	
(2) C.O.P. (W/W):	3.2	
S.C.O.P. (W/W):	3.58	
Water Flow Rate (L/s):	4.65	
ERP Efficiency Class (Water @ 35°C/55°C):	A+/A+	
COMPRESSOR		
Compressor Type:	Scroll	
Number of Compressors:	2 DC Inverter +4 ON OFF	
REFRIGERANT		
Refrigerant Type:	R410A	
FAN MOTOR		
Fan Type:	EC Axial	
Number of Fans:	2	
Rated Power Input (kW):	3.8	
Max. Power Input (kW):	6.4	
Rated Air Flow (m ³ /s):	8.5 x 2	
INTERNAL HEAT EXCHANGER		
Type of Heat Exchanger:	Plates	
Number of Heat Exchangers:	1	
Water Content (L):	7.24	
Heat Exchanger Pressure Drop (kPa):	33	
HYDRAULIC CIRCUIT		
Max. Pressure of Hydronic Kit (bar):	6	
Min. Water Volume (L):	260	
HYDRAULIC CIRCUIT w/INTEGRATED AC PUMP		
Available Head Pressure (kPa):	82	
Nominal Power of the AC Pump (kW):	1.2	
Max. Power of the AC Pump (kW):	1.32	
ELECTRICAL DATA		
Power Supply (V):	400	
Max. Input Power (kW):	55.8	
NOISE LEVEL		
Sound Power Level (dB):	85	
SL/SSL Sound Power Level (dB):	83.2	82.7
Sound Pressure Level @ 10m (dB):	53.2	
WEIGHT		
Operating Weight (kg):	1105	

Performance referring to the following conditions, according to standard 14511:2018:

1. Heating: outdoor air temperature 7°C DB/6°C WB*; in/out water temp 30/35°C.
2. Sound power level: heating mode condition (1); value calculated based on measurements made in accordance with standard UNI EN ISO 9614- 2, compliant with the requirements of the Eurovent certification.
3. Sound pressure level: value calculated from the sound power level using ISO 3744:2010.

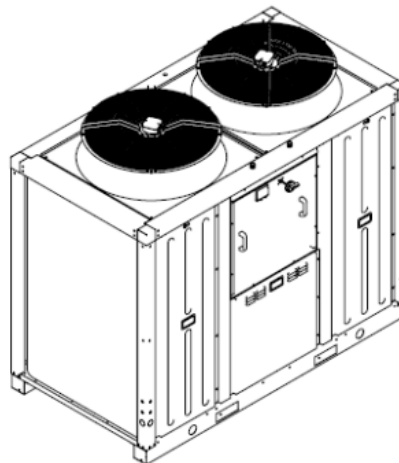
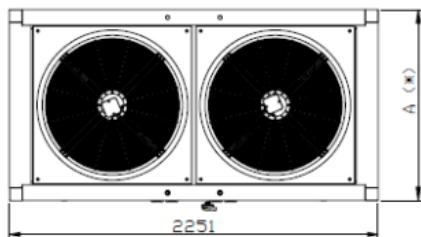
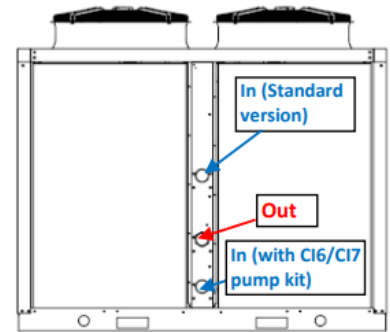
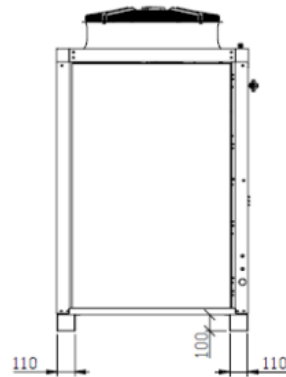
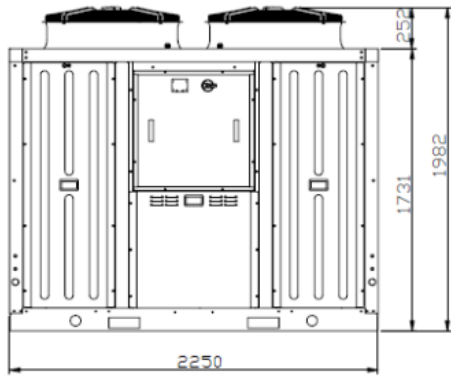
*DB & WB represent dry-bulb and wet-bulb air temperatures respectively



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Models	A
i-MAX 0466 / i-MAX-SSL 0466	1170
i-MAX 0475 / i-MAX-SSL 0475	1170
i-MAX 0485 / i-MAX-SSL 0485	1170
i-MAX 0695 / i-MAX-SSL 0695	1170
i-MAX 06105 / i-MAX-SSL 06105	1450
i-MAX 06115 / i-MAX-SSL 06115	1450

Model	With AxiTop accessory	Height H [mm]	Max Packing height [mm]
i-MAX 0466 / i-MAX 0475 i-MAX 0485 / i-MAX 0695	no	1985	2150
	si	2180	2340
i-MAX 06105 / i-MAX 06115	no	2010	2170
	si	2270	2430



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Product Fiche – HPMAX105

Product Fiche		Unit
Supplier's Name	Rinnai UK	
Supplier's Model	HPMAX105	
ERP Efficiency Class	A+/A+	
COP ₁	4.05	W/W
COP ₂	3.20	W/W
SCOP	3.58	W/W
Heating Input ₁	25.3	kW
Heating Input ₂	30.35	kW
Temperature Setting*	60	°C
Refrigerant Type	R410A	
Indoor Sound Power Level (LWA)	85	dB
Sound Pressure Level @ 10m (dB)	53.2	dB



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