

# Technical Product Submittal – HPMAX85

<b>Model Number:</b>	485
<b>HEATING</b>	
(1) Min. Input Power (kW):	21.14
(1) Heating Capacity (kW):	85.6
(2) Max. Input Power (kW):	25.66
(2) Heating Capacity (kW):	82.12
(1) C.O.P. (W/W):	4.05
(2) C.O.P. (W/W):	3.2
S.C.O.P. (W/W):	3.53
Water Flow Rate (L/s):	3.93
ERP Efficiency Class (Water @ 35°C/55°C):	A+/A+
<b>COMPRESSOR</b>	
Compressor Type:	Scroll
Number of Compressors:	2 DC Inverter + 2 ON OFF
<b>FAN MOTOR</b>	
Fan Type:	Axial
Number of Fans:	2
Rated Power Input (kW):	3
Max. Power Input (kW):	3.9
Rated Air Flow (m <sup>3</sup> /s):	7.5 x 2
<b>INTERNAL HEAT EXCHANGER</b>	
Type of Heat Exchanger:	Plates
Number of Heat Exchangers:	1
Water Content (L):	5.59
Heat Exchanger Pressure Drop (kPa):	37
<b>HYDRAULIC CIRCUIT</b>	
Max. Pressure of Hydronic Kit (bar):	6
Min. Water Volume (L):	200
<b>HYDRAULIC CIRCUIT w/INTEGRATED AC PUMP</b>	
Available Head Pressure (kPa):	78
Nominal Power of the AC Pump (kW):	1
Max. Power of the AC Pump (kW):	1.1
<b>ELECTRICAL DATA</b>	
Power Supply (V):	400
Max. Input Power (kW):	46.7
<b>NOISE LEVEL</b>	
Sound Power Level (dB):	85
SL Sound Power Level (dB):	83
SSL Sound Power Level (dB):	82.2
Sound Pressure Level @ 10m (dB):	53.2
<b>WEIGHT</b>	
Operating Weight (kg):	996

**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.

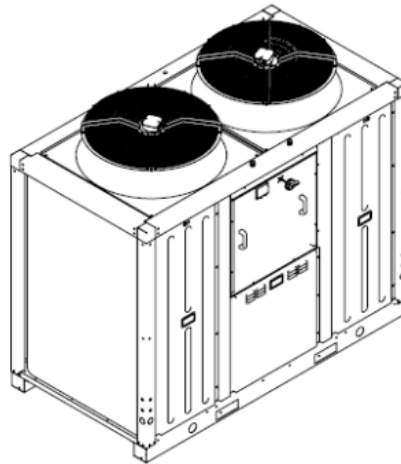
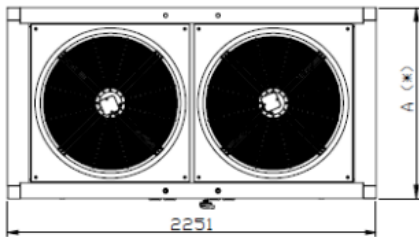
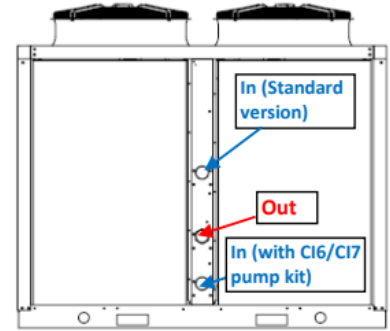
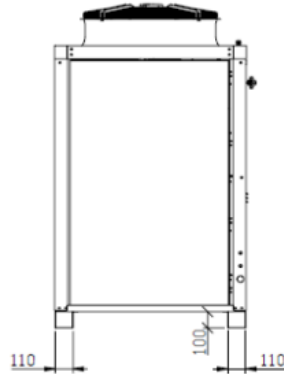
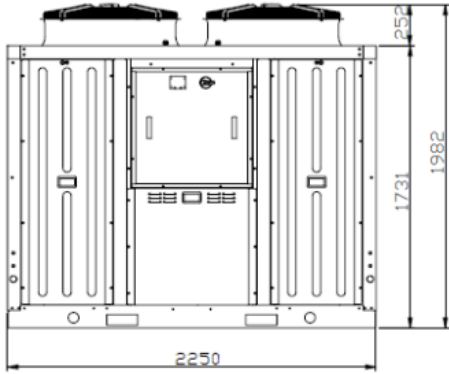
\*DB & WB represent dry-bulb and wet-bulb air temperatures respectively



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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

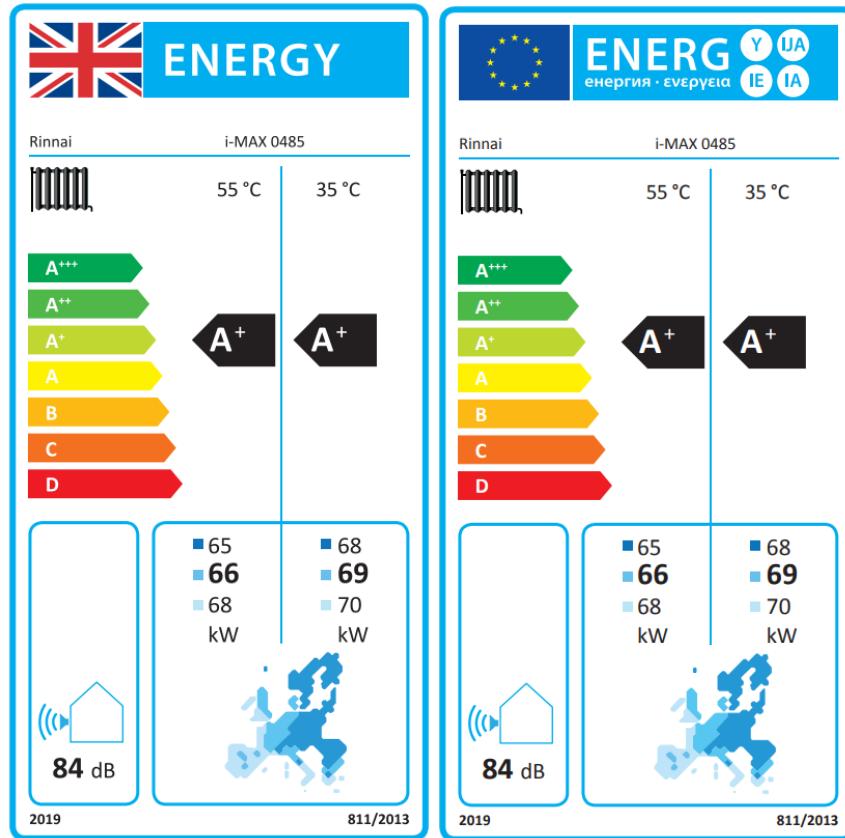
Model	With AxiTop accessory	Height H [mm]	Max Packing height [mm]
i-MAX 0466 / i-MAX 0475 i-MAX 0485 / i-MAX 0695	no	1985	2150
	si	2180	2340
i-MAX 06105 / i-MAX 06115	no	2010	2170
	si	2270	2430



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# Energy Labels and Product Fiche – HPMAX85



Product Fiche		Unit
Supplier's Name	Rinnai UK	
Supplier's Model	HPMAX85	
ERP Efficiency Class	A+/A+	
COP <sub>1</sub>	4.05	W/W
COP <sub>2</sub>	3.20	W/W
SCOP	3.53	W/W
Heating Input <sub>1</sub>	21.14	kW
Heating Input <sub>2</sub>	25.66	kW
Temperature Setting*	60	°C
Refrigerant Type	R410A	
Indoor Sound Power Level (LWA)	85	dB
SL Indoor Sound Power Level (LWA)	83	dB
SSL Indoor Sound Power Level (LWA)	82.2	dB
Sound Pressure Level @ 10m (dB)	53.2	dB



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