

Technical Product Submittal – HPIH 21

Model Number:	121
HEATING	
(1) Min. Input Power (kW):	4.92
(1) Min. Heating Capacity (kW):	8.8
(1) Nom. Heating Capacity (kW):	21.3
(1) Max. Heating Capacity (kW):	25.3
(2) Max. Input Power (kW):	6.58
(2) Min. Heating Capacity (kW):	8.6
(2) Nom. Heating Capacity (kW):	21.3
(2) Max. Heating Capacity (kW):	25.2
(1) C.O.P. (W/W):	4.33
(2) C.O.P. (W/W):	3.24
S.C.O.P. (W/W):	4.2
Water Flow Rate (L/s):	1
ERP Efficiency Class (Water @ 35°C/55°C):	A++/A+
COMPRESSOR	
Compressor Type:	Twin Rotary DC Inverter
Number of Compressors:	1
REFRIGERANT	
Refrigerant Type:	R32
FANS	
Fan Type:	Motor DC Brushless
Number of Fans:	1
INTERNAL HEAT EXCHANGER	
Type of Heat Exchanger:	Plate
Number of Heat Exchangers:	1
Water Content (L):	1.7
Heat Exchanger Pressure Drop (kPa):	32.5
HYDRAULIC CIRCUIT	
Water Content of Hydronic Circuit (L):	2.4
Max. Pressure Hydronic Kit (bar):	6
Min. Water Capacity (L):	110
Max. Circulator Power (kW):	0.31
ELECTRICAL DATA	
Power Supply (V):	400
Max. Input Power (kW):	15
Max. Input Power w/Antifreeze Kit (kW):	15.2
NOISE LEVEL	
Sound Power Level (dB):	72
SL Version Sound Power Level (dB):	68
Sound Pressure Level @ 10m (dB):	39.5
WEIGHT	
Operating Weight (kg):	240

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.

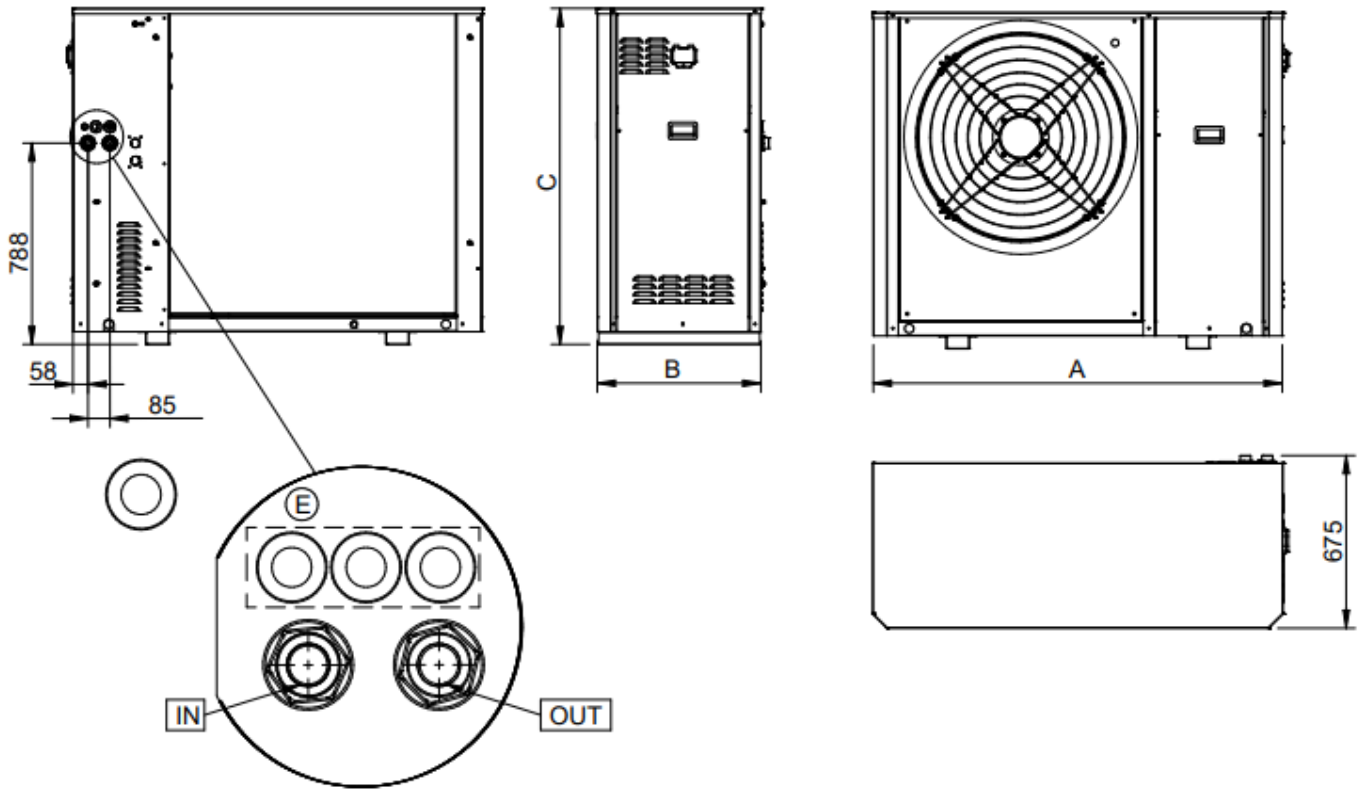
*DB & WB represent dry-bulb and wet-bulb air temperatures respectively



Rinnai

sales@rinnaiuk.com | 01928 531870

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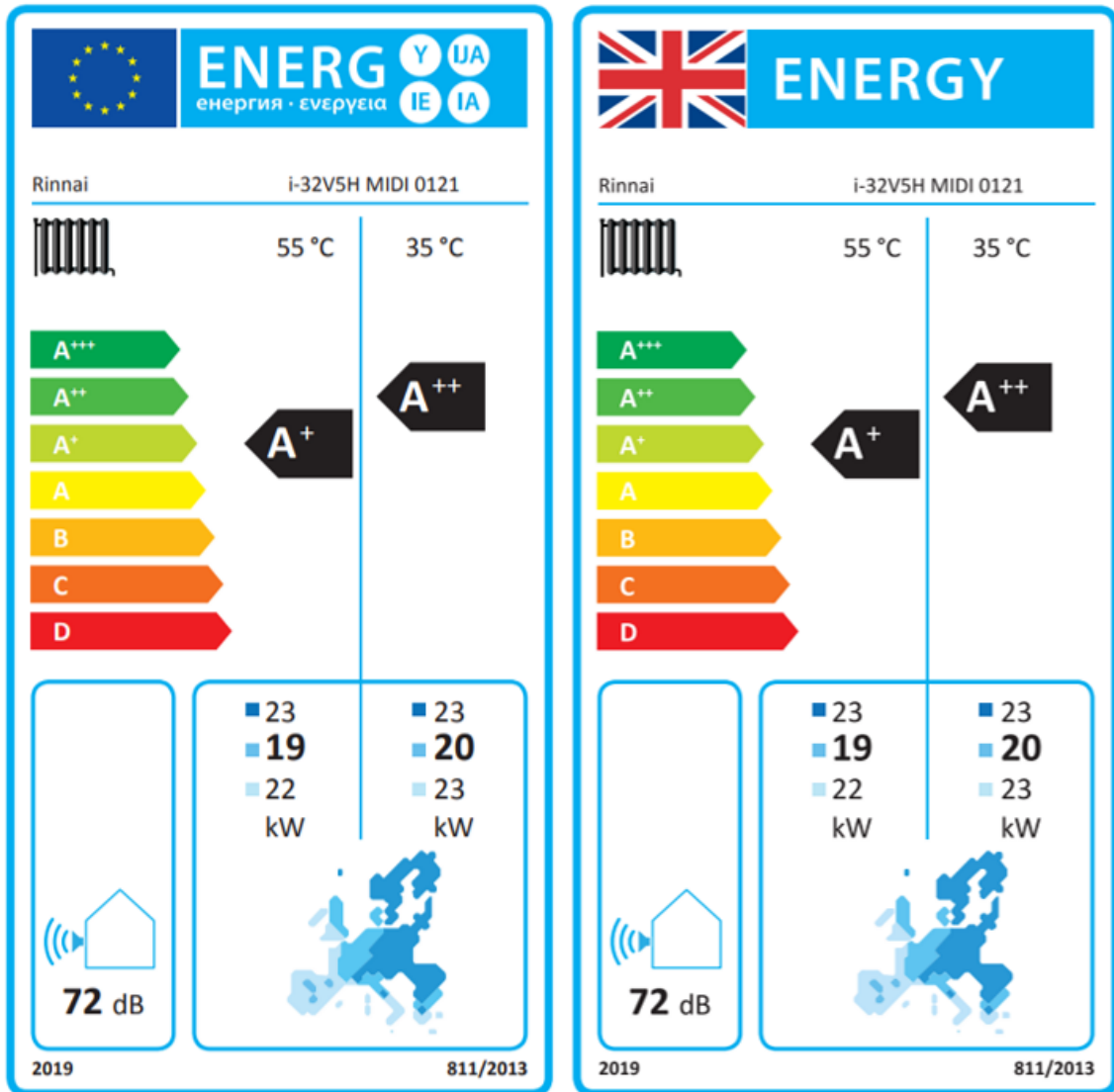
Model i-32V5H Midi	Length, A (mm)	Width, B (mm)	Height, C (mm)
0121	1600	680	1315
0126	1600	680	1315
0128	1600	680	1315
0132	1600	680	1315



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Data label and Product Fiche – HPIH 21



Product Fiche		Unit
Supplier's Name	Rinnai UK	
Supplier's Model	HPIH 21	
ERP Efficiency Class	A++/A+	
COP ₁	4.33	W/W
COP ₂	3.24	W/W
SCOP	4.2	W/W
Heating Input ₁	4.92	kW
Heating Input ₂	6.58	kW
Temperature Setting*	60	°C
Refrigerant Type	R32	
Indoor Sound Power Level (LWA)	72	dB
SL Indoor Sound Power Level (LWA)	68	dB
Sound Pressure Level @ 10m (dB)	39.5	dB



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