



ROWAN 3 PLUS

(ULTRA LOW NOISE)

R290 COMMERCIAL HEAT PUMP

- ▶ Ultra-low GWP
- ▶ Ultra-low noise sound pressure level as low as 33dB(A)**
- ▶ Ultra-low noise sound power level as low as 65dB(A)***
- ▶ Highly efficient COP up to 4.2*
- ▶ High temperature up to 80°C
- ▶ Cascade options available

126kW



BIM



Cascade
Options



WARRANTY#



**CLADE**

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Technical Information

Category	Information	Units	Data
ENERGY	Heat Pump Space Heating [35°C]	SCOP	4.45
	Heat Pump Space Heating [55°C]	SCOP	3.82
HEATING	Heating (A7/W35) - Capacity	kW	126.5
	Heating (A7/W35) - Power Input	kW	28.6
	Heating (A7/W45) - Capacity	kW	122.0
	Heating (A7/W45) - Power Input	kW	32.2
	Heating (A7/W55) - Capacity	kW	117.3
	Heating (A7/W55) - Power Input	kW	36.3
	Heating (A7/W35) - COP	Rated at EN14825 test conditions: Water 35°C, Air 7°C.	4.43
	Maximum Flow Temperature	°C	80
	Air Temperature Range Min/Max	°C	-10/+35
SOUND	Outdoor Unit Sound Power Level	dB(A) EN12102:2022.	65
	Pressure Level at 10m	dB(A) EN ISO 4871:2009	33
CONNECTIONS & WATER	Heating Flow Connection	mm	DN65 PN16 Bimetallic Flange
	Heating Return Connection	mm	DN65 PN16 Bimetallic Flange
	Minimum Water Volume	litres	27.3
DIMENSIONS	Width	mm	1720
	Depth	mm	4586
	Height	mm	2000
	Weight	kg	3242
ELECTRICS	Electrical Supply	V	380-420
	Phase		3
	Max Running Current	A	109.9
	Fuse Rating	A	125
REFRIGERANT	Refrigerant		R290 (Propane)
	Refrigerant Charge	kg	8.6
	Global Warming Potential	GWP	3

Accessories & options	Optional
Clade Multiplex Controller	X
BACnet integration	X

Please refer to the manual for full control details.

Every effort has been taken to ensure the details are accurate. Clade Engineering Systems Ltd does not, however, guarantee the accuracy or completeness of any information nor does it accept liability for any errors or omissions in the information. Clade Engineering Systems reserves the right to make changes and improvements which may necessitate alteration to product specification without prior notice.

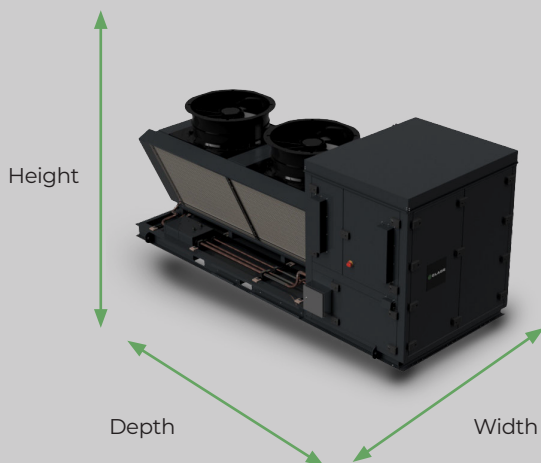




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Dimensions & Clearances



Dimensions	Units	Value (mm)
Width	mm	1700
Depth	mm	4586
Height	mm	2000
Weight	kg	3242

	Clearance (mm)
Front	1000
Rear	1000
Side	1000
Above	6000

Refer to the manual for further weight details and full clearance requirements, including multiple-unit installations

Features and benefits:

1. Ultra low noise level as low as 33dB(A) at 10m**
2. Suited to larger commercial installations – cascade systems to achieve higher outputs
3. Cascade up to 6 units for up to 756kW output – bespoke cascade options also available**
4. Ultra-low global warming potential of 3 due to the use of R290 natural refrigerant
5. Water flow temperatures up to 80°C
6. Integrated pressure independent control valves for precise temperature control
7. Inverter driven reciprocating compressor for precise capacity control
8. Single unit with the refrigeration cycle contained within the outdoor unit
9. 2 year warranty#

Terms and conditions apply:

* Coefficient of Performance (COP) rated at EN14825 test conditions Water 35°C / Air 7°C.

** Sound pressure value calculated from the sound power level in condition (9) using the standard BS EN ISO 4871:2009.

Terms & conditions apply. Visit our website for more information.

*# Speak to a member of our team for further cascade details.

***The sound levels refer to a fully loaded unit at standard nominal conditions according to EN12102:2022.

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PLANNING A LOW-CARBON COMMERCIAL HEATING PROJECT?

From tight spaces to large-scale roof top cascades, Clade offers versatile commercial heat pumps that you can rely on to meet sustainability targets without compromising on heating & hot water performance.

Talk to our team to learn more about availability and project suitability.

Call: **0113 887 9604** Email: enquiries@clade-es.com

Code for technical Specification Sheet PD-1099-20-A/OCT26

