



ROWAN 3 PLUS

(HEATING AND COOLING LOW NOISE)

R290 COMMERCIAL HEAT PUMP

- ▶ Ultra-low GWP
- ▶ Sound power level as low as 68dB(A)*
- ▶ Sound pressure level as low as 36dB(A)**
- ▶ Highly efficient COP up to 4.2**
- ▶ High temperature up to 80°C
- ▶ Heating and cooling from a single heat pump

132kW



BIM



Cascade
Options



WARRANTY#



**CLADE**

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Technical Information

Category	Information	Units	Data
ENERGY	Heat Pump Space Heating [35°C]	SCOP	4.18
	Heat Pump Space Heating [55°C]	SCOP	3.60
HEATING	Heating (A7/W35) - Capacity	kW	132.0
	Heating (A7/W35) - Power Input	kW	31.5
	Heating (A7/W45) - Capacity	kW	127.6
	Heating (A7/W45) - Power Input	kW	35.5
	Heating (A7/W55) - Capacity	kW	123.2
	Heating (A7/W55) - Power Input	kW	40.0
	Heating (A7/W35) - COP	Rated at EN14825 test conditions: Water 35°C, Air 7°C.	4.19
	Maximum Flow Temperature	°C	80
COOLING	Air Temperature Range Min/Max	°C	-10/+35
	Cooling (A35/W7) - Capacity	kW	104.2
	Cooling (A35/W7) - Power Input	kW	51.9
	Cooling (A35/W7) - EER	Rated at EN14825 test conditions: Water 7°C, Air 35°C.	2.01
	Minimum Flow Temperature	°C	5
	Air Temperature Range Min/Max	°C	+10/+40
SOUND	Outdoor Unit Sound Power Level	dB(A) EN12102:2022.	68
	Pressure Level at 10m	dB(A) EN ISO 4871:2009	36
CONNECTIONS & WATER	Heating Flow Connection	mm	DN65 PN16 Bimetallic Flange
	Heating Return Connection	mm	DN65 PN16 Bimetallic Flange
	Cooling Flow Connection	mm	DN80 PN16 Bimetallic Flange
	Cooling Return Connection	mm	DN80 PN16 Bimetallic Flange
	Minimum Water Volume	litres	56.8
DIMENSIONS	Width	mm	1700
	Depth	mm	2400
	Height	mm	2636
	Weight	kg	2499
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	11.2
	Global Warming Potential	GWP	3

Accessories & options	Optional
Clade Multiplex Controller	X
BACnet integration	X

Please refer to the manual for full control details.

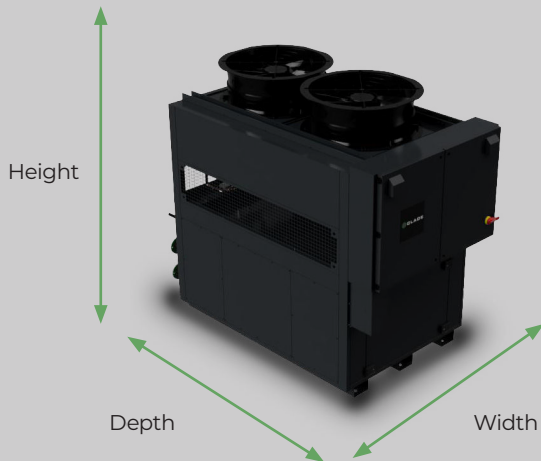




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Dimensions & Clearances



Dimensions	Units	Value (mm)
Width	mm	1700
Depth	mm	2400
Height	mm	2636
Weight	kg	2499

	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. Heating and cooling from a single heat pump - no need for independent heating and cooling units - saves space and reduces installation costs
2. Cascade up to 6 units for up to 792kW output - bespoke cascade options also available*#
3. Low noise pressure level as low as 36dbA at 10m***
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 offering precise temperature control
7. Inverter driven reciprocating compressors offering precise capacity control
8. Highly efficient COP up to 4.2**
9. Single unit with the refrigeration cycle contained within the outdoor unit
10. 2 year warranty#

Terms and conditions apply:

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

** 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.

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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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-1154-20-A/OCT26

