

Rinnai INFINITY HD56kWe specification



Description

Designed and made in Japan, the Rinnai INFINITY HD56kWe is an external continuous flow gas hot water heater with inbuilt frost protection and status monitor. It has electronic ignition and requires electricity to operate.

The INFINITY HD56kWe is factory preset to 55 °C, but can be set to deliver higher temperatures, up to 85 °C, making it ideal for commercial applications.

Scope of use

Primarily designed for commercial applications, but can be used for larger hot water capacity residential projects. To be externally mounted on an outside wall and located as close as possible to the most frequently used hot water outlets to reduce the delay for hot water delivery.

Codes

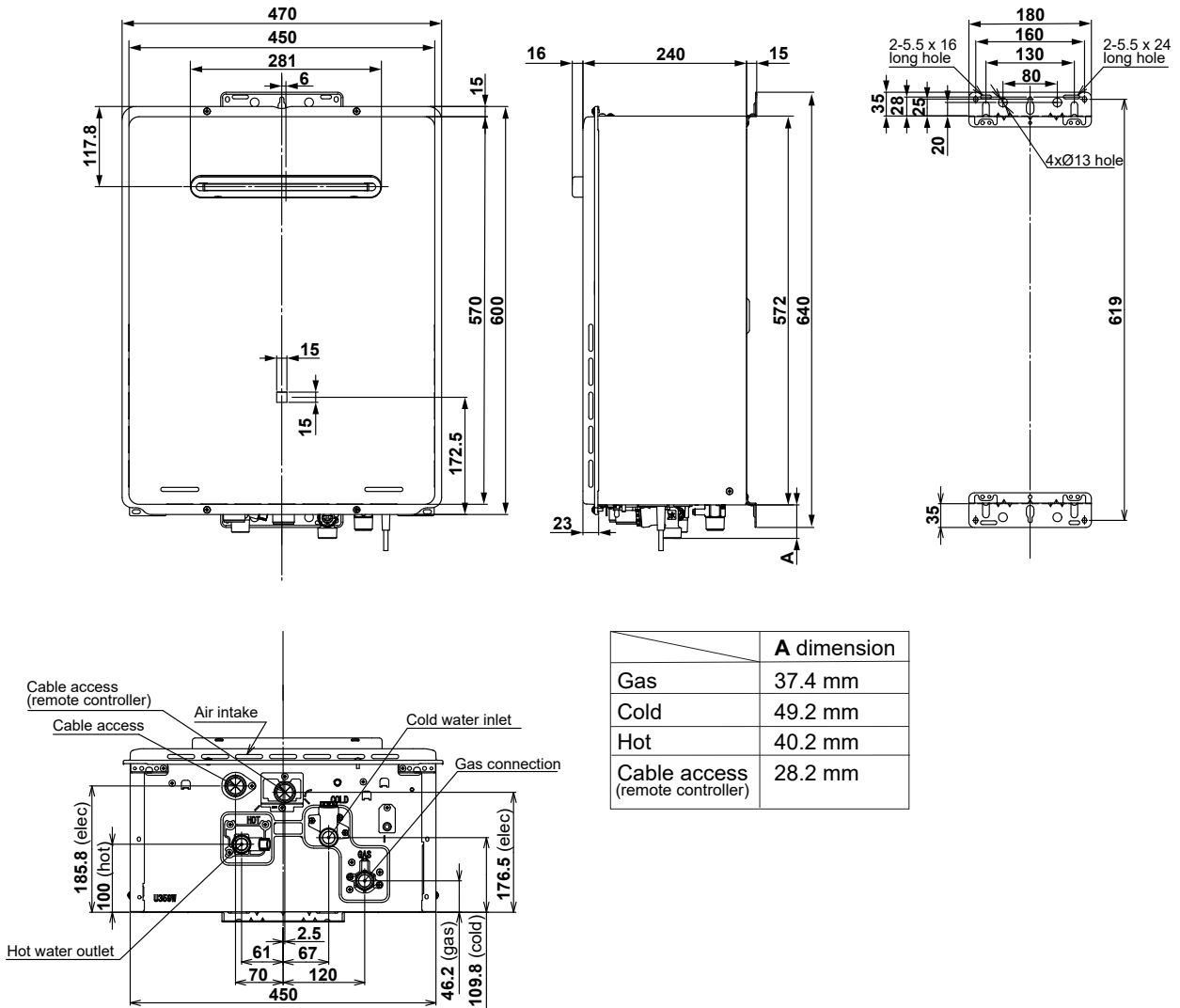
INFHD56N - Natural Gas
INFHD56L - LPG

It is not suitable as a spa or swimming pool heater, or for hydronic applications.

Hard or acidic water will need to be treated to use this product.

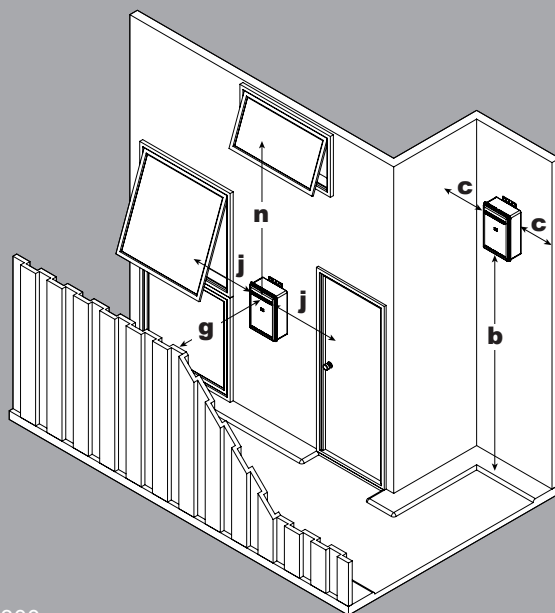
REU number	REU-AM3237WC-ZK
Colour	Silver
Input	20.1-245 MJ/h (LPG), 20.1-250 MJ/h (NG)
Output	56.4 kW (LPG), 56.8 kW (NG)
Thermal efficiency	82%
Capacity	Hot water capacity 1.5-37 l/min Nominal water capacity 32 l/min at a 25° rise (1920 l/h)
Exhaust system	Forced flue
Ignition system	Ignition system
Line pressures	NG 1.13-3.0 kPa, LPG 2.75-3.0 kPa
Line pressure maximum	3.5 kPa (max. standing pressure under abnormal intermittent conditions is 5.0 kPa). In the case of commercial metering (i.e. 35-37 kPa coming in), there may be a requirement to regulate the incoming line pressure down.
Ingress protection rating	IPX5
Power consumption	Normal - 87 W Standby - 2 W Frost protection - 88 W
Noise level (1 m away)	55 dB(A)
NOx af	40 ppm
Safety devices	Flame failure, boil-dry protection, overheat protection (OHS), fusible link, pressure relief valve, and combustion fan rpm check.
Water supply	Nominal operating pressure: 200-1000 kPa Minimum water flow: 1.5 litres per minute
Weight	23 kg

Rinnai INFINITY HD56kWe dimensions



General flue clearances

Dim.	HD56 NG / LPG
b	Min. 300 mm ¹
c	Min. 300 mm
g	Min. 500 mm
j	Min. 500 mm
n	Min. 1.5 m



Below eaves, balconies, and other projections, min. 300 mm.
From a gas meter 1000 mm. From an electricity meter or fuse box, min. 500 mm.

¹ Rinnai recommend 1.5 m to give enough clearance for the pipe work and to safely expel flue gases

Rinnai INFINITY HD56kWe accessories

CONTROLLERS	
The maximum number of controllers that can be fitted is four. The HD56 is compatible with all of our existing controllers	
Part number	Description
MC601A	Compact controller
BC100V1Z	Bathroom Deluxe controller
MC100V1Z	Kitchen Deluxe controller
PIPE COVER	
R1418	Rinnai INF pipe cover HD56 (made in Japan)
RECESS BOX	
No recess box is available.	
Due to the unit's increased depth and flue outlet position, the HD56kWe is not suitable for the current R1407 metal recess box.	
SECURITY BRACKET	
ACC1395	Rinnai INFINITY security bracket
FLUE DIVERTERS	
FDS56	Flue diverter side HD56 (no image available)
There is no upwards flue diverter available for this model	
CONNECTING CABLES	
REUCSAC1	N56 / HD56 cascades cable
REUMSBM	HD internal primary manifold
REUMSBMB	HD external primary manifold
REUMSBC1	HD manifold secondary cable
REUMSBC2	HD manifold joiner
ERROR INDICATION SWITCH	
REUOPU3	Error indication switch