

# Infinity W24CE specification sheet



# Rinnai

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## Specification

Installation	External Outdoor
Height	565.2mm
Width	351mm
Depth	219.9mm
Weight	18kg
Exhaust System	External Direct Forced
Flue Size	n/a
Max Flue Run	n/a
Temperature Range	37°C – 65°C
Temperature Accuracy	-1 / +1 from the appliance
Ignition Method	Direct Electronic
Gas Consumption	Natural Gas 46.2 kW max
	LPG 46.2 kW max
Hot Water Delivery Capacity	20 ltr/min raised 33°C
	13.2 ltr/min raised 50°C
Min Operating Water Flow	1.5 ltr/min
Operating Pressure	1-10 bar
Power Supply	230V 50Hz
Electrical Consumption	57W Normal
	92W Max (Frost protection)
NOx	< 30.74
Turndown Ratio	10.2 : 1



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## Additional Information

Gas Usage	4.4m <sup>3</sup>
Gas Usage LPG	3.3kg/hr
Efficiency Gross (Nat Gas)	91%
Efficiency Gross (LPG)	92%

## Infinity W24E as a Solar Booster

The infinity W24E will deliver 13.2 l/min @ 50°C Rise using 4.4m<sup>3</sup> gas. If we increase the incoming water temperature, we get the following saving:

Flow Rate	Energy	Saving On Gas
13.2l/min @ 40°C Rise	37kW	20% (0.88m <sup>3</sup> )
13.2l/min @ 30°C Rise	27.7kW	40% (1.76m <sup>3</sup> )
13.2l/min @ 20°C Rise	18.5kW	60% (2.64m <sup>3</sup> )
13.2l/min @ 10°C Rise	9.24W	80% (3.52m <sup>3</sup> )

A 20 tube panel will yield approx. 1439kW/yr\*, so a fairly standard arrangement of 3 panels would yield 4317kWh/yr. Consequently this equates to 4317kW free energy or the equivalent of 401.6 m<sup>3</sup> gas per annum.

\*This is based on an installation in Southampton, south facing and an inclination of 45°



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