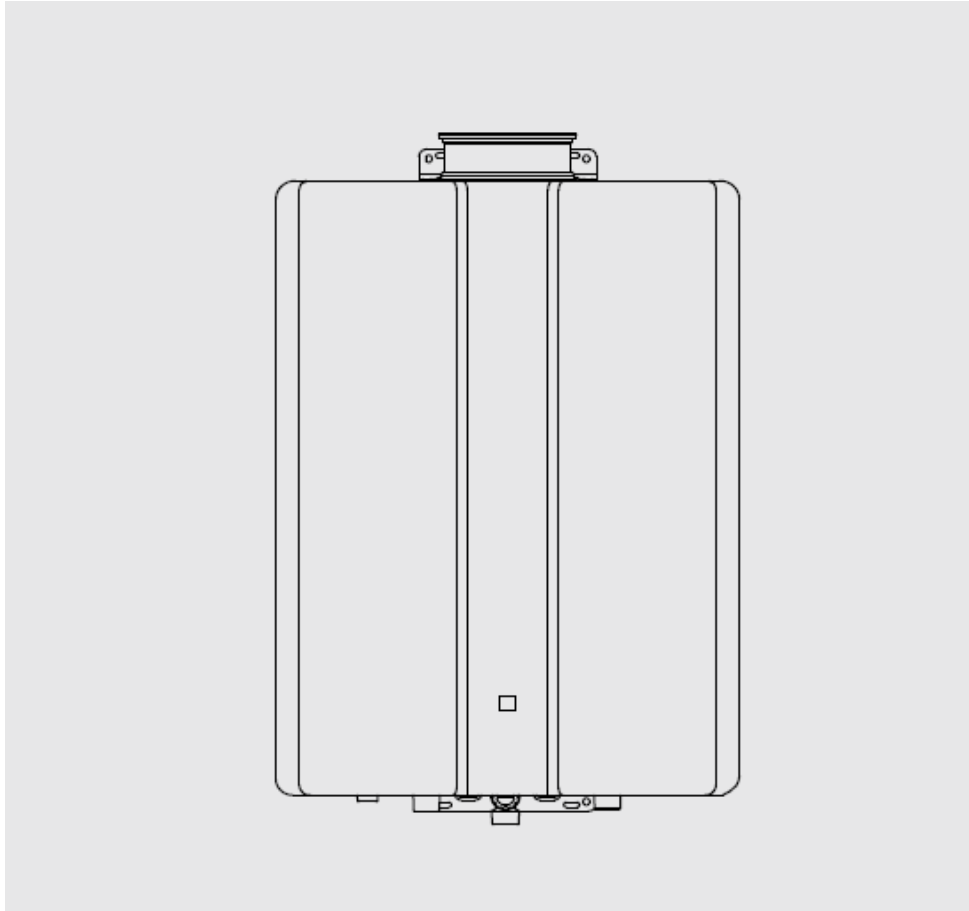


# KCM24i Specification Sheet



**Rinnai**

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# KCM24i Specification Sheet

## Specification

Installation	Internal wall mounted
Height	670.6mm
Width	470.6mm
Depth	257mm
Weight	26kg
Exhaust System	Forced Room Sealed
Flue Size	80/125mm
Max Flue Run	13m (less 2m per 90° bend & 1m per 45° bend)
Temperature Range	50°C – 60°C
Temperature Accuracy	-1 / +1 from the appliance
Ignition Method	Direct electronic
Gas Consumption	Natural Gas 45 kW max
	LPG 45 kW max
Hot Water Delivery Capacity	18.1 ltr/min raised 33°C
	11.9 ltr/min raised 50°C
Min Operating Water Flow	1.5 ltr/min
Operating Pressure	N/A
Power Supply	230V~, 50hz
Electrical Consumption	N/A
Indoor sound power level (LWA)	55.6 dB
NOx	< 56 mg/kWh



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## Additional Information

Gas Usage	4.3m <sup>3</sup> /hr
Gas Usage LPG	3.2kg/hr
Efficiency Gross (Nat Gas)	93%
Efficiency Gross (LPG)	93%

## KCM 24i as a Solar Booster

The KCM 24i will deliver 11.9 l/min @ 50 °C Rise using 4.3m<sup>3</sup> gas. If we increase the incoming water temperature we get the following saving:

Flow Rate	Energy	Saving On Gas
11.9l/min @ 40°C Rise	33.3kW	26% (1.1m <sup>3</sup> )
11.9l/min @ 30°C Rise	24.9kW	44% (1.9m <sup>3</sup> )
11.9l/min @ 20°C Rise	16.6kW	63% (2.7m <sup>3</sup> )
11.9l/min @ 10°C Rise	8.3W	81% (3.5m <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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