

Ember Series 600/700 Product technical statement

A product technical statement is a way to show how a product or system is fit for purpose for use in New Zealand and to demonstrate compliance with the New Zealand Building Code (Building Code Amendment Act 2013).

Product description

Designed and made in NZ, the Ember 600/700 is a direct vent (DV)¹, externally flued, inbuilt gas fireplaces with a heat output of 5 kW for the Ember 600, and 6 kW for the Ember 700.

The Ember Series fires have a glass front and convection fan, pushing warm air from the top of the appliance. It is operated with an infra-red remote, or can be upgraded to Wi-Fi control with the purchase of a Wi-Fi module kit. Models can be customised with different burn media and frame options.

¹ A direct vent flue system uses natural draft to pull outside air for combustion through an outer flue, while combusted gases are expelled outdoors via an inner flue. This system features a sealed combustion chamber, ensuring the air quality of the room remains unaffected. This design eliminates the need for a traditional chimney and offers advantages such as enhanced safety, and improved efficiency.

Scope of use

Intended for living spaces and open plan areas as a space heater. As a room sealed appliance it can also be installed in larger bedrooms as long as this meets the 6.10.6.1 requirements of AS/NZS 5601.1.

Available for connection to Natural Gas or LPG, this must be specified at the time of purchase.

Must be used in conjunction with the appropriate Rinnai flue system. Flueing is available for vertical and horizontal terminations. Flue terminations must comply with the flue terminal locations shown in AS/NZS 5601.1.

Design guidelines

Specification and installation must be in accordance with Rinnai installation requirements and with the Building Code.

Rinnai specify that installation must be in compliance with AS/NZS 5601.1 and AS/NZS 30007.

When installing the flue it is recommended that the flashing details comply with those specified in E2/AS1. All Rinnai gas fireplaces must be installed with an approved Rinnai flue system. Choice of flue must be suitable for the specific environmental conditions.



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Compliance with the NZ Building Code

If specified, installed and maintained in accordance with all Rinnai requirements the Ember Series will comply with the below provisions of the NZ Building Code. AS/NZS 5601.1 is an acceptable solution within the NZBC for gas installations as per NZBC G11/AS1 9.0.1.

CODE CLAUSE	EVIDENCE OF COMPLIANCE
B1 Structure	
B1.3.1 B1.3.2 B1.3.3 (a,b,c,h,m)	The gas fireplace and flue kits are certified to AS/NZS 5263.1.3. This standard contains the specific requirements to ensure gas appliances within the scope of each standard are safe and compliant when used with gases available in New Zealand.
B2 Durability	
B.2.3.1 (c)	Durability testing and in-service history
C2 Prevention of fire occurring	
C2.2 and C2.3	Certification of gas fireplaces to AS/NZS 5263.1.3
E2 External moisture	
E2.3.2	Achieved by following E2/AS1
G4 Ventilation	
G4.3.3 (f,i)	Achieved as long as the building complies with G4/AS1
G9 Electricity	
G9.3.1 (a,b,c,d,f), G9.3.3	G9/AS1 as required by Rinnai installation guidance
G10 Piped services	
G10.3.2, G10.3.3, G10.3.4, G10.3.5, G10.3.6	G10/AS1 (NZS 5422 Natural Gas) and (NZS 5435 LPG)
G11 Gas as an energy source	
G11.3.1, G11.3.2, G11.3.3, G11.3.4	G11/AS1 (AS/NZS 5601.1) as required by Rinnai installation guidance

Additional evidence to support the above statements

Energy Safety Supplier Declaration of Compliance:

- Ember Series: Declaration number - 1810620176

Special conditions: Installation requirements

Full appliance and flue information can be found at www.rinnai.co.nz.

Limitation: To be installed in accordance with all Rinnai installation requirements and by a licensed gasfitter/plumber, and electrician. Upon completion of the installation, a final inspection and test to demonstrate that the gas appliance has been installed in accordance with Rinnai's instructions and in accordance with Gas (safety and measurement) Regulations 2013 is required by the installer. The gasfitter is to issue a certificate of compliance.

Special conditions - maintenance requirements

For reliable operation Rinnai gas fireplaces should be serviced every two years, including inspection of the flue system. If they are in a particularly dusty environment or subject to excess lint, for example pet hair, or where there are newly laid carpets, then annual servicing would be beneficial. Installation, servicing and repair shall be carried out only by authorised personnel.

Warranty: Rinnai 5-year firebox Limited Warranty subject to Rinnai's terms and conditions.