

TFS650 - Freestanding Wood Fireplace

Information Sheet for Builders and Architects

FIRE BY **escea.**

SPECIFICATIONS

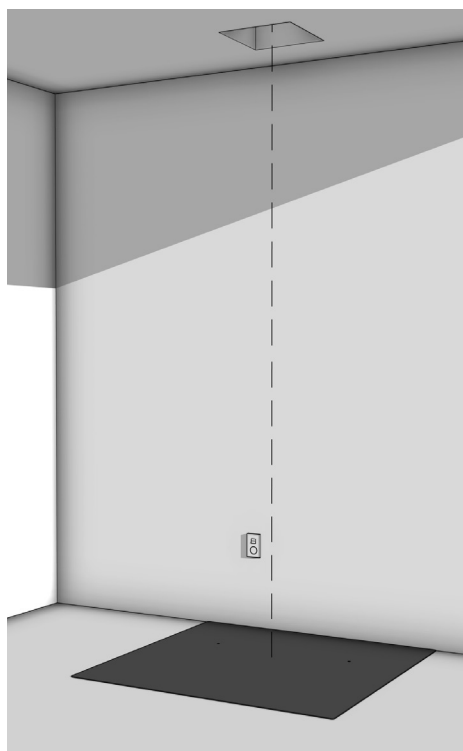
| | |
|------------------------------|--------------------------------------|
| Est. Heating Area | 100-160m ² |
| Efficiency | 68.6% |
| Average Particulate Emission | 0.97g/kg |
| Appliance Weight | 162kg |
| Fuel Type | Hardwood (AU) Softwood (NZ) |
| Maximum Log Size | 450mm |
| Authorisation Number | 0621-2021a (AU) |
| Compliance | Clearance tested to AS/NZS 2918 |
| Power Requirement | 3 Pin 10A 240V power supply |
| Damper Control | Yes - top right of the appliance |
| Flue Type | Natural Draught - Direct Vent † |
| Flue Size | 150mm Inner/200mm Outer/250mm outer |
| Flue Length (minimum) | 4.5m - from the top of the appliance |
| Floor Protector | Required |



| | |
|-----------------------|-------------------|
| Combustion Air Intake | External |
| Heat Shield | Not required |
| Glass Wash | Yes |
| Fire Bricks | Vermiculite |
| Convection Fan | Yes - 2 speed Fan |
| Room Ventilation | Not required |
| Wetback | Prohibited |

† Please refer to TFS 650-1000 Flue Specification Guide for further guidance.

INSTALLATION



A location is selected with electrical supply within 1m of the fireplace. Obtain flue centreline to ensure the flue run is clear from obstructions. Install the floor protector, allowing for all requisite safety clearances.



Install the fireplace on a plinth, base or preformed heat resistant structure following the TFS650 Installation Manual. Fix the fire to the plinth, base or structure and the plinth or base to the floor. It is recommended that only HHA approved/accredited tradespeople should be used to install this fireplace.
***See appliance dimensions over page.**



Install the flue and liner to the correct configuration and height. The ceiling plate should be fitted at this time. Complete the installation by installing any additional components and connecting the electrical supply. Operate the fireplace for the first week with a hot fire and the damper fully open.

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APPLIANCE DIMENSIONS

The TFS650 is constructed from 4mm painted mild steel panels with a 5mm glass door and utilises a direct vent co-axial flue system. Additionally, it has a heat activated, two speed fan that turns on to distribute heat further into your room.

| | |
|---|---------------------|
| Appliance Width (A) | 650mm |
| Appliance Depth (B) | 506mm |
| Appliance Height (C) | 606mm |
| Minimum Appliance Height from Floor (D) | 300mm |
| Minimum Ceiling Height from top of TFS650 (E) | 1420mm |
| Firebox Opening Size | 530mm W x 368mm H |
| Glass Viewing Area | 600mm W x 480mm H |
| Floor Protector Size | 1050mm W x 1026mm D |

FLOOR PROTECTOR

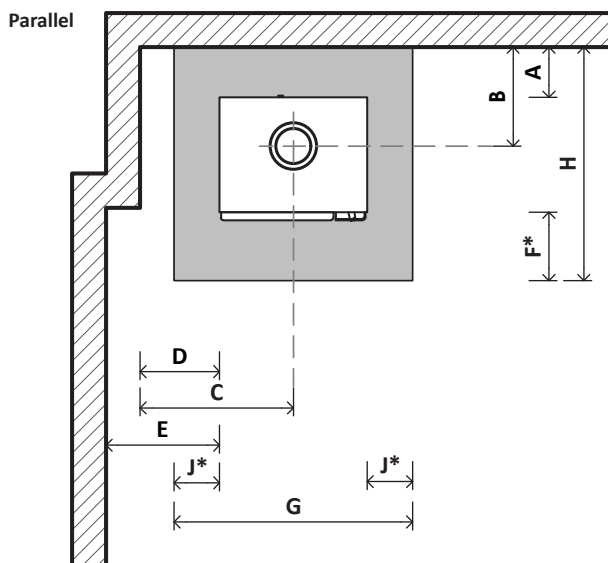
For a fireplace base elevated 300mm or more above a combustible floor, a continuous non-combustible floor protector is required with the dimensions: **1050mm W x 1026mm D**. To reduce the 300mm clearance to the fireplace base from a combustible floor, use an insulating, heat-resistant floor per AS/NZS 2918.

SEISMIC RESTRAINT

Fasten the fireplace to the plinth or base and secure the plinth or base to the floor using suitable, appropriately sized fasteners anchored into structural components.

CLEARANCES TO COMBUSTIBLES

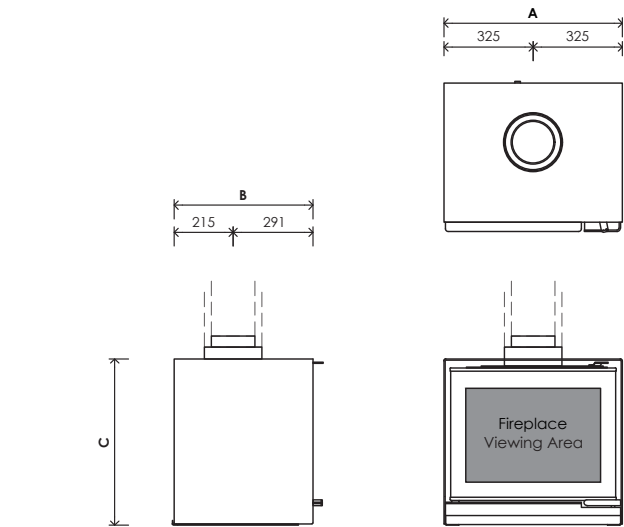
Clearances are set to prevent contact with combustible materials, including timber-framed walls. Follow AS/NZS 2918, Section 3, to reduce these clearances. Objects in front of the fireplace must maintain a 1.2m safety distance.



| A | B | C | D | E | F | G | H | J | R | S | T | U | V |
|-----|-----|-----|-----|-----|-----|------|------|-----|------|-----|-----|-----|------|
| 220 | 435 | 675 | 350 | 500 | 300 | 1050 | 1026 | 200 | 1284 | 100 | 490 | 532 | 1064 |

Install in accordance with AS/NZS 2918 and the Escea TFS Series Install Manual.
For Installation methods not covered in this document please contact:
 Email: aa@escea.com PH (NZ): 0800 17 3000 PH (AU): 1800 460 832

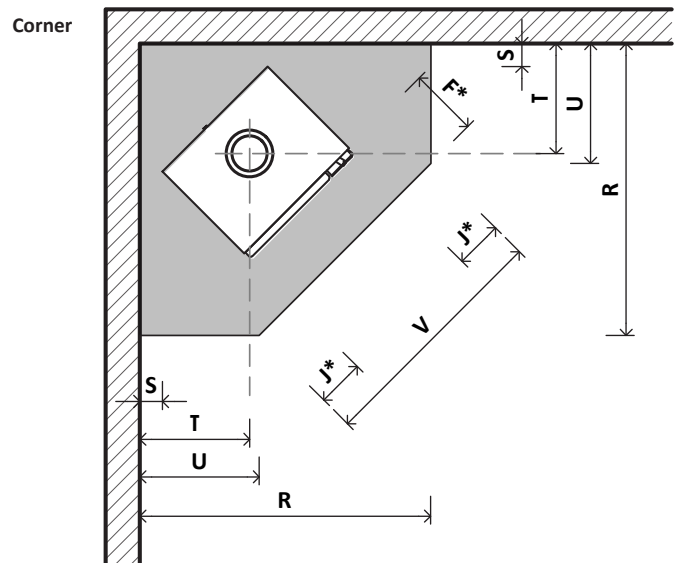
Install Manual and CAD files are available via the QR Code or link:
www.escea.com/technical



FIREPLACE BASE

Install the TFS650 Fireplace at least **300mm** above any combustible surface's finished height. A continuous, non-combustible base is essential to bear the weight of the appliance and flue system above. Escea offers both GRC plinth and sheet-metal base options, specifically crafted to enhance the TFS650 Fireplace.

* Dimensions F and J are measured from the front or side of the fuel-loading opening to the edge of the floor protector.



Disclaimer:
 Dimensions provided are indicative and may not consider all site-specific variations or installation needs. Verify dimensions on-site before manufacturing or construction.