

# ORTAL

## SINGLE SIDED FIREPLACES:

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SPECIFICATIONS & PRODUCT GUIDE

ORTAL

ebnicca

# 1. NOTES

The appliance must be installed in accordance with the ORTAL AU/NZ Installation Manual.

The appliance must be properly connected to an approved chimney venting system. Refer to the specific appliance installation guide to determine vent size and pathway requirements. In addition, adhere to the following pre-installation guidelines:

- Use an approved DuraVent flue system as specified
- Consult the relevant authority to determine the need for a permit prior to starting the installation.
- It is the responsibility of the installer to ensure that this fireplace is installed in compliance with the manufacturer's instructions and all the applicable building codes. Contact your local distributor / dealer for correct flue and flue termination information.
- Always used a licensed gas fitter / plumber to install the appliance

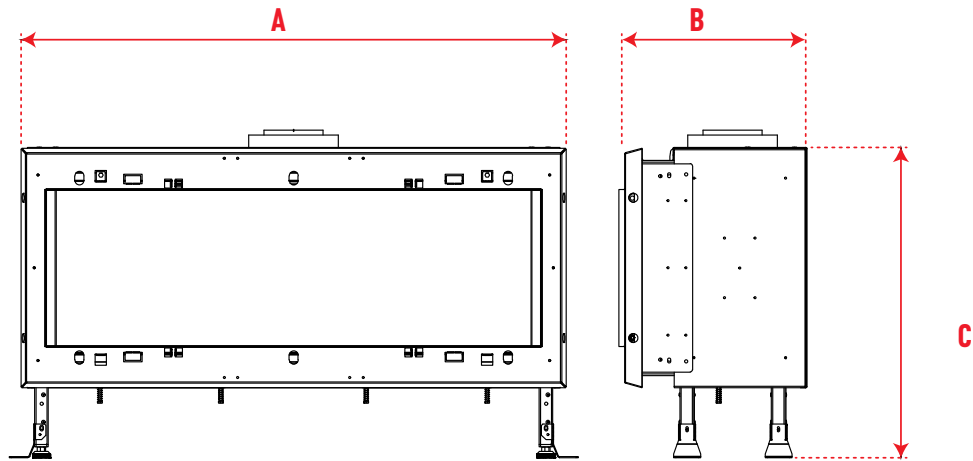
## **IMPORTANT:**

THIS IS NOT AN INSTALLATION MANUAL. PLEASE REFER TO THE DETAILED INSTALLATION MANUAL DELIVERED WITH THE APPLIANCE.

# 2. SPECIFICATIONS

MODEL	BURNER TYPE	INJECTORS	NOMINAL GAS CONSUMPTION	INLET PRESSURE	MANIFOLD PRESSURE	TURNDOWN PRESSURE	FLUE SIZE
<b>75 x 65</b>	B45	Marked 650: with 7x0.950mm orifice	26MJ/h	1.13kPA	0.82kPA	0.23kPA	107/164mm
<b>60 x 80</b>	B45	Marked 650: with 7x0.950mm orifice	26MJ/h	1.13kPA	0.82kPA	0.23kPA	107/164mm
<b>75</b>	B45	Marked 650: with 7x0.950mm orifice	26MJ/h	1.13kPA	0.82kPA	0.23kPA	107/164mm
<b>TRAD 90</b>	B45	Marked 650: with 7x0.950mm orifice	26MJ/h	1.13kPA	0.82kPA	0.23kPA	125/205mm
<b>110 / 110H</b>	B100	Marked 1200: with 7x1.275mm orifice	37MJ/h	0.69kPA	0.73kPA	0.26kPA	125/205mm
<b>TRAD 110</b>	B100	Marked 1200: with 7x1.275mm orifice	37MJ/h	0.69kPA	0.73kPA	0.26kPA	125/205mm
<b>130 / 130H</b>	B100	Marked 1200: with 7x1.275mm orifice	37MJ/h	0.69kPA	0.73kPA	0.26kPA	125/205mm
<b>150 / 150H</b>	B135	Marked 1200: with 7x1.275mm orifice Marked 1400: with single 3.9mm orifice	55MJ/h	1.13kPA	0.61kPA	0.22kPA	125/205mm
<b>170 / 170H</b>	B135	Marked 1200: with 7x1.275mm orifice Marked 1400: with single 3.9mm orifice	55MJ/h	1.13kPA	0.61kPA	0.22kPA	125/205mm
<b>200 / 200H</b>	B160	Marked 800: with 7x1.05mm orifice Marked 1400: with single 3.8mm orifice	52MJ/h	1.13kPA	0.50kPA	0.22kPA	125/205mm
<b>250 / 250H</b>	B160	Marked 800: with 7x1.05mm orifice Marked 1400: with single 3.8mm orifice	52MJ/h	1.13kPA	0.50kPA	0.22kPA	125/205mm

# 3. DIMENSIONS



<b>MODEL</b> (all measurements in mm)	<b>A</b> WIDTH	<b>B</b> DEPTH	<b>C</b> HEIGHT	<b>GLASS SIZE</b>
<b>75 x 65</b>	872	420	966	778 x 650
<b>60 x 80</b>	644	420	1070	552 x 740
<b>75</b>	856	420	751	748 x 440
<b>TRAD 90</b>	1036	637	955	900 x 804
<b>110</b>	1193	420	692	1108 x 350
<b>110 H</b>	1216	420	892	1108 x 550
<b>TRAD 110</b>	1227	637	1036	1085 x 868
<b>130</b>	1368	420	692	1278 x 350
<b>130 H</b>	1368	420	892	1278 x 550
<b>150</b>	1636	420	692	1528 x 350
<b>150 H</b>	1636	420	892	1528 x 550
<b>170</b>	1813	420	692	1729 x 350
<b>170 H</b>	1813	420	892	1729 x 550
<b>200</b>	2076	420	692	1968 x 350
<b>200 H</b>	2076	420	892	1968 x 550
<b>250</b>	2550	420	692	2444 x 400
<b>250 H</b>	2550	420	892	2444 x 550

Note: Minimum height off of the floor for all front facing Ortal fireplaces is 210mm.

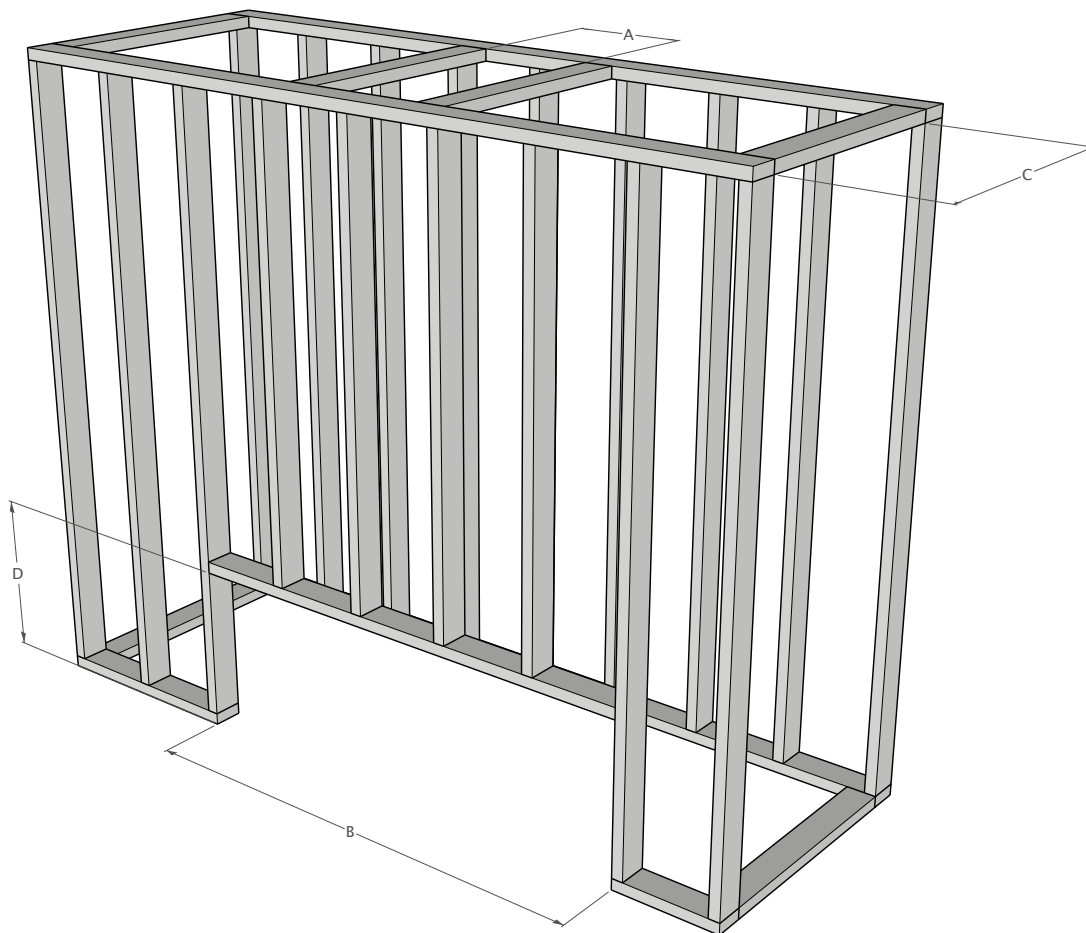
Appliance legs must not be removed.

TRAD 90 and TRAD 110 are supplied without legs and should be installed on 16mm Villaboard when installed on a combustable floor.

# 4. FRAMING & CLADDING

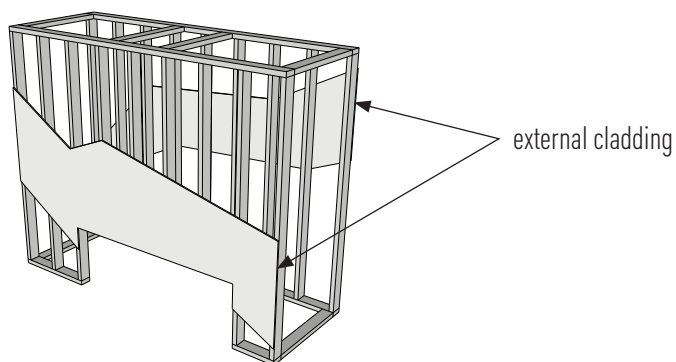
## OPTION 1: METAL STUDS FRAMING

The frame must be designed to carry the entire weight of the finished wall with no component being supported by the fireplace.



MODEL (all measurements in mm)	A	B	C	D
<b>60 x 80</b>	222	778	475	1092
<b>75 x 65</b>	222	1005	473	989
<b>75</b>	222	989	473	773
<b>110</b>	254	1349	475	715
<b>110H</b>	254	1367	475	915
<b>130</b>	254	1519	475	715
<b>130H</b>	254	1519	475	915
<b>150</b>	254	1770	475	715
<b>150H</b>	254	1770	475	915
<b>170</b>	254	1970	475	715
<b>170H</b>	254	1970	475	915
<b>200</b>	254	2210	475	715
<b>200H</b>	254	2210	475	915
<b>250</b>	254	2683	475	764
<b>250H</b>	254	2683	475	915
<b>TR90</b>	254	1170	689	978
<b>TR110</b>	254	1360	689	1059

## CLADDING FOR METAL STUDS

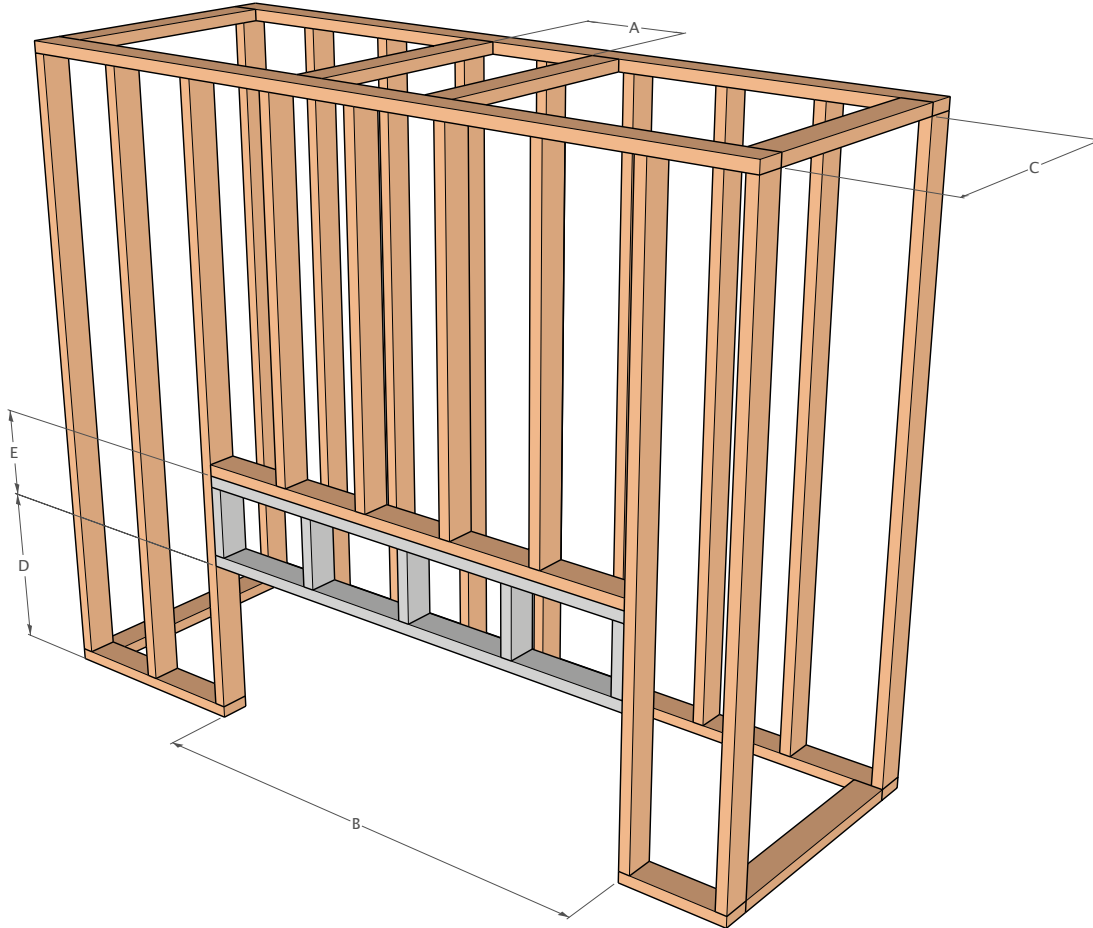


The framing structure must be clad **externally** with non combustible material and gaps sealed with a non-combustible fire proof sealant. We recommend the fireplace to be in position and flued prior to cladding.

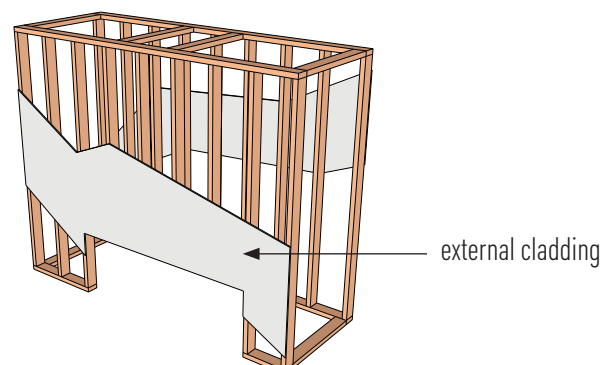
# 4. FRAMING & CLADDING

## OPTION 2: TIMBER STUDS WITH METAL SECTION

The frame must be designed to carry the entire weight of the finished wall with no component being supported by the fireplace.



MODEL (all measurements in mm)	A	B	C	D	E
60 x 80	222	778	475	1092	457
75 x 65	222	1005	473	989	560
75	222	989	473	773	510
110	254	1349	475	715	568
110H	254	1367	475	915	495
130	254	1519	475	715	568
130H	254	1519	475	915	495
150	254	1770	475	715	568
150H	254	1770	475	915	495
170	254	1970	475	715	568
170H	254	1970	475	915	495
200	254	2210	475	715	568
200H	254	2210	475	915	495
250	254	2683	475	764	519
250H	254	2683	475	915	495
TR90	254	1170	689	978	743
TR110	254	1360	689	1059	662



The framing structure must be clad **externally** with non combustible material and gaps sealed with a non-combustible fire proof sealant. We recommend the fireplace to be in position and flued prior to framing/cladding.

We recommend using 16mm Gypsum fire rated plasterboard or its equivalent for the enclosure of the fireplace chase.

# 5. VENTING

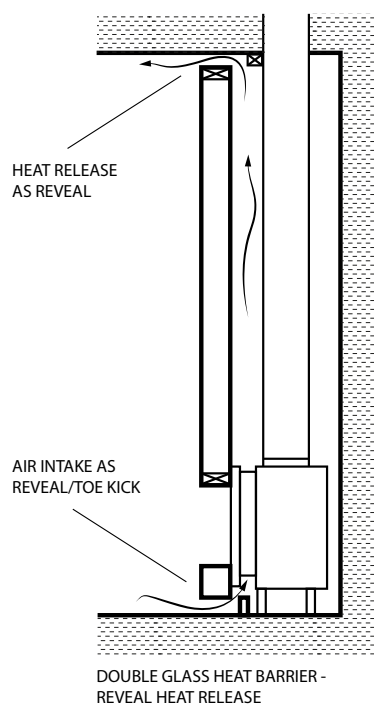
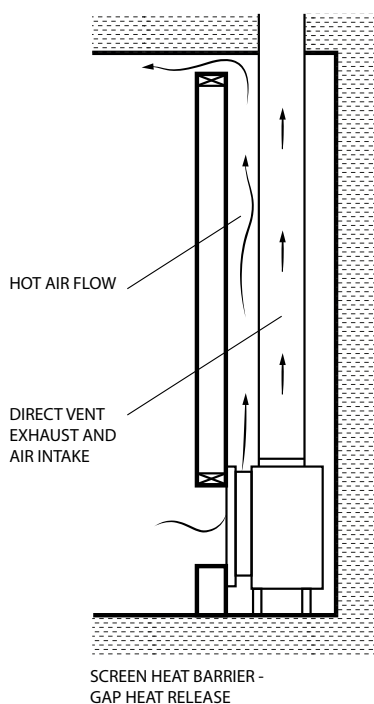
## VENTING (convection air intake)

### For mesh units:

- No need to create a convection air intake as the appliance is designed to supply fresh air through the viewing panel.

### For double glass units:

- Convection air intake vents are required at the bottom of the cavity and can be placed at the front, side or back of the cavity.



## VENTING (Convection air outlet)

A convection air outlet is required for all Ortal fireplaces. This allows for heat building up within the fireplace cavity to be released back into the space, helping to keep the cavity walls cool. It must be located at the top of the fireplace cavity and be placed at a maximum of 150mm below the cavity ceiling. The vent can be located on the front, sides or back of the fireplace cavity, as long as it releases into an interior space and not outdoors.

MODEL	Heat release vent (min surface)
60 to 130	0.08m <sup>2</sup>
150 to 200	0.13m <sup>2</sup>
250	0.16m <sup>2</sup>

These are minimum requirements and the surface can be greater if desired.

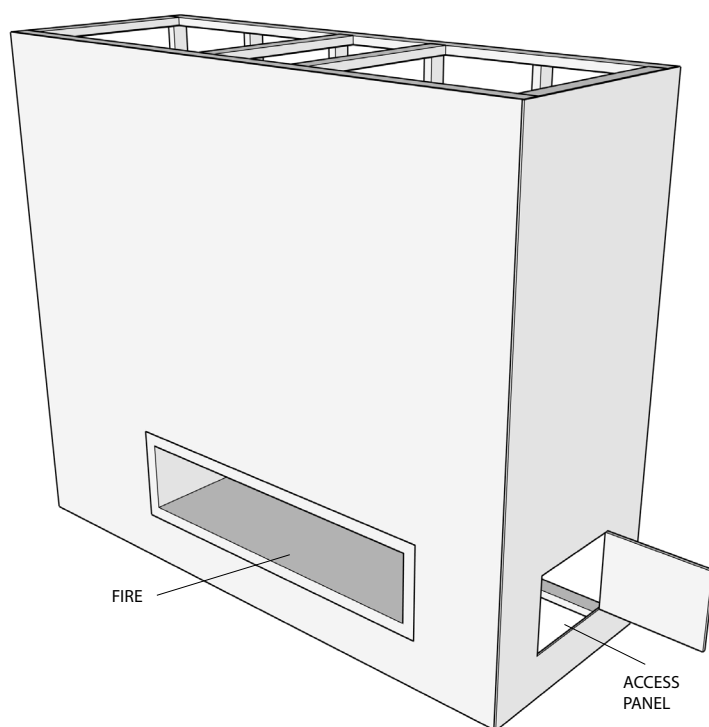
## 6. ACCESS PANEL

Access panels are recommended for all ORTAL fireplaces. They allow efficient and comfortable access to the fireplace receiver and valves, which is required for servicing purpose.

Access panels can be designed and positioned to minimise their visual impact as long as access to the valves and receiver is maintained. The size of the access panel may vary, but in all cases must allow the fireplace technician to effectively conduct a service. We recommend a minimum size of 200x200mm.

However, access panels are not the only option for servicing the fireplace operation mechanisms. A technician may also service the fireplace controls by going through the firebox. This procedure requires removing the glass panel(s), taking out the interior media and lifting the grill, burner and bottom side (explosion valve) of the unit. The technician would then return all these fireplace components when service is complete. The servicing procedure will take longer than through an access panel.

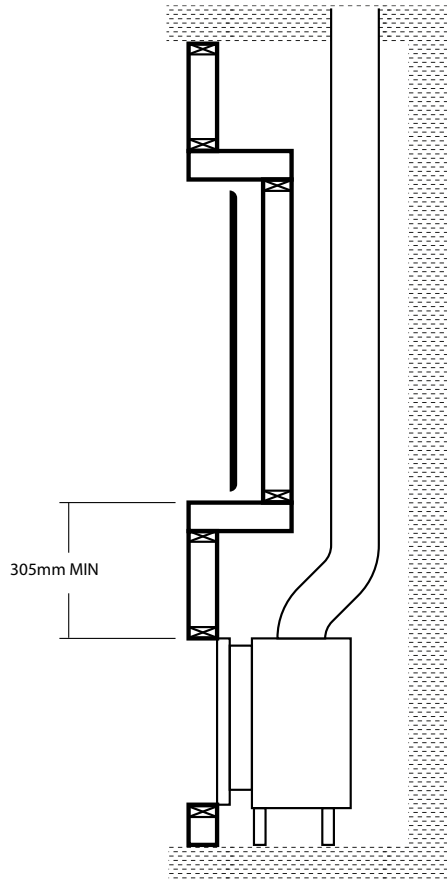
Fireplace installers are advised to consult with their clients, project architects or interior designers regarding the advantages and disadvantages of each service option.



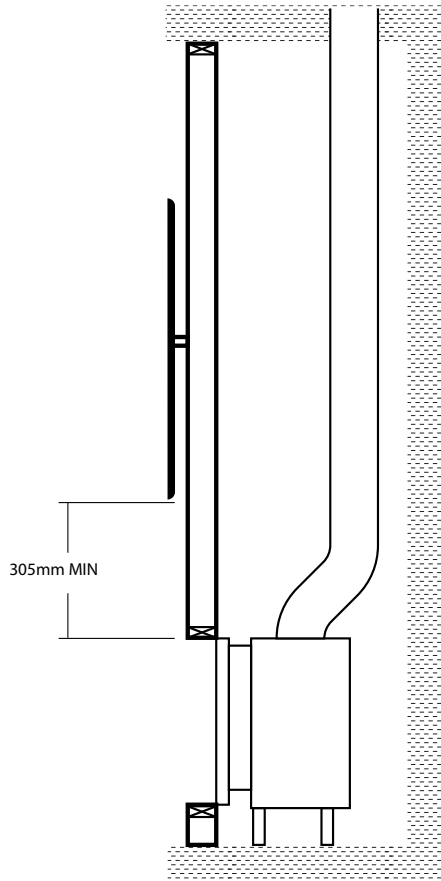


# 7. TV CLEARANCES

RECESSED INSTALLATION



FLUSH INSTALLATION



## 8. TESTING

**THE ORTAL DECORATIVE ROOM SEALED GAS APPLIANCES HAVE BEEN TESTED AND APPROVED BY AGA & IAPMO-R&T FOR USE WITH NATURAL GAS (NG).**

Australian Standard AS5263-0:2016 - Decorative Gas Log and Other Fuel Effect Appliances

Patent Pending for screen barrier glass bracket: USSN 60/040,074