

## 2.0

## Rakaia ULEB - Technical Specifications

<b>Rakaia fire has been tested and complies to following standards &amp; tests:</b>			
Environment Canterbury's Real-life test - Canterbury test method CM1			
NZ National Environmental Test Standards - AS/NZS 4012:2014 & AS/NZS 4013:2014.			
NZ National Environmental Safety Test Standard - AS/NZS 2918:2001			
<b>Overall Dimensions</b>	700 mm Wide x 661 mm Deep x 803 mm High		
<b>Net Weight of Burner</b>	155.0 kg		
<b>Test Method</b>	<b>Emissions mg/MJ</b>	<b>Emissions g/kg</b>	<b>Efficiency %</b>
Real Life Test Canterbury Method V1.6	36 mg/MJ	0.43 g/kg	65%
National Environment Standard AS/NZS 4012/13:2015	32 mg/MJ	0.42 g/kg	65.9%
<b>Heat Output</b>	<b>Power in kW</b>		
Minimum Average Output	5.5 kW		
Maximum Average Output	8.4 kW		
Estimated Peak Output	19 kW		
<b>Flue Shield</b>	900mm Long SS Masport Double Flue Shield		
<b>Flue System</b>	Std 4.2M Long, 150mm Masport Flue System ** For installation in Canterbury & South of Canterbury, we recommend extending 200 outer casing within 250~300 from termination of flue.		
<b>Floor Protector Requirement</b>	Ash Floor Protector		
<b>Clearances to Combustibles:</b>			
<b>Parallel Installation</b>		<b>Corner Installation</b>	
A- Rear Panel to Rear Wall	100 mm	C- Glass to Floor Protector Front	300 mm
B-Cooktop Edge to Side Wall	260 mm	E- Cooktop Corner to Wall	100 mm
C- Glass to Floor Protector Front	300 mm	H- Flue Centre to Wall	456 mm
D- Floor Protector Side	100 mm	L- Floor Protector Diagonal	1367 mm
F- Flue Centre to Rear Wall	278 mm	M- Floor Protector Side	1179 mm
G- Flue Centre to Side Wall	610 mm	N- Flue Centre to Floor Protector Front	723 mm
I- Floor Protector Front Edge	600 mm	R- Flue Centre to Wall Corner	644 mm
J- Floor Protector Width	900 mm	WW- Overall Width of Fire	700 mm
K- Floor Protector Depth	1001 mm	DD- Overall Depth of Fire	661 mm
		HH- Overall Height of Fire	803 mm
<b>Seismic Restraint</b> - Rakaia shall be seismically restrained including floor protector. Use 8mm Dynabolts for concrete floors or 8mm coach screws for wooden floors, of appropriate lengths.			