

TECHNICAL SPECIFICATION

BOILER HEAT OUTPUT		kW	26	35
Max. BTU/h ('000)			88,775	119,504
Efficiency %			93.7	93
CONNECTIONS				
Heating Flow			1" BSP	1" BSP
Heating Return			1" BSP	1" BSP
Drain Off Valve			½" BSP	½" BSP
Condensate Trap			10mm braided plastic pipe	10mm braided plastic pipe
WATER CONTENT				
Water Content Boiler			24 litres	24 litres
FLUE				
Balanced Flue Assembly			125 (5") mm dia.	125 (5") mm dia.
TEMPERATURE CONTROL				
Boiler Central Heating Control			65°C - 85°C	
Boiler Safety Limit			110°C + 3°C	
Oven Temperature Control			100°C - 250°C	
Oven Safety Limit			300°C + 3°C	
HEATING SYSTEM				
Fit in accordance with BS 7074 Part 1, BS 5449, OFTEC Standards and all other relevant legislation.				
Boiler Test Pressure			4.5 bar	
Safety Valve Operating Pressure			3 bar	
WATER SIDE RESISTANCE				
Flow rate to give a nominal output at 10k Differential:				
Flow Rate Measured			2232 kg/h	3010 kg/h
Waterside Resistance		207 mbar	20700 Pa	375 mbar 37500 Pa
Flow rate to give a nominal output at 20k Differential:				
Flow Rate Measured			1121 kg/h	1518 kg/h
Waterside Resistance		52 mbar	5200 Pa	98 mbar 9800 Pa
PRESSURE JET OIL BURNERS				
Oven			RDB1	
Boiler			RDB 2.2	
FUEL				
			C2 Kerosene	
ELECTRICAL SUPPLY				
			230V AC 50Hz to be fused at 5A	
WEIGHT				
Empty (kg)			600	600
Full (kg)			624	624
		OVEN BURNER	BOILER BURNER	
			26 kW	35 kW
Fuel Rate		0.9792 kg/h	2.244 kg/h	2.988 kg/h
Total Heat Input		11.707 kW	26.897 kW	36.087 kW
Exit Flue Gas Temperature		158 °C	76 °C	81.3 °C
Exit Flue Gas Mass Flow		0.00716 kg/s	0.010 kg/s	0.013 kg/s
BOILER AND OVEN BURNER				
Exit Flue Gas Mass Flow			0.014 kg/s	0.017 kg/s
EMISSIONS BOILER				
CO			6 mg/kWh	4 mg/kWh
NOx			93 mg/kWh	130 mg/kWh
EMISSIONS OVEN				
CO		0 mg/kWh		
NOx		97 mg/kWh		