



BEECH OVENS

SELECTED BY THE WORLD'S LEADING HOTELIERS

OVEN TYPE	GAS BACKUP	GAS BACKUP	GAS BACKUP	GAS ONLY *	NO GAS
GAS TYPE	NATURAL	LPG	TOWN GAS	ALL GASES	WOOD ONLY
Thermal Input	80 MJ/Hr	80 MJ/Hr	80 MJ/Hr	160 MJ/Hr	N/A
	76,000BTU	76,000BTU	76,000BTU	152,000BTU	N/A
Gas Supply Line	19mm Cu	19mm Cu	19mm Cu	2 x 19mm Cu	N/A
	3/4"	3/4"	3/4"	2 x 3/4"	N/A
Power supply	240 v 10A	240 v 10A	240v 10A	240V 10A	N/A
Burner Jet Size	4.1mm Diam	2.30mm Diam	5.6mm Diam	Same	N/A
	Drill #20	Drill #43	Drill #2	Same	N/A
Gas pressure at burner injector	1KPA	2.75KPA	0.6KPA	Same	N/A
Gas supply pressure to inlet at isolating valve kPA	7.0kPA MAX	7.0kPA MAX	7.0kPA MAX	Same	N/A
	2kPA MIN	3.0kPA MIN	0.7kPA MIN	Same	N/A
Gas Supply Pressure to Inlet at Isolating Valve PSI	1 PSI MAX	1 PSI MAX	1 PSI MAX	Same	N/A
	0.3 PSI , MIN	0.45 PSI MIN	0.1 PSI MIN	Same	N/A
Gas Consumption per Hour	2.0 M3/Hr	0.6 M3/Hr	3.9 M3/Hr	Double	N/A
Timber Consumption Hard Wood	0.1 M3 Per Day	0.1 M3 Per Day	0.1 M3 Per Day	N/A	0.2 M3 per 12 hour day
	3 CU Ft	3 CU Ft	3 CU Ft	Same	6 CU Ft per 12 hour day
Duct size- Natural draft (or equivalent round)	400mm SQ	400mm SQ	400mm SQ	Same	400mm SQ
	16" SQ	16" SQ	16" SQ	Same	16" SQ
Duct size- Fan assisted (or equivalent round)	300mm SQ	300mm SQ	300mm SQ	Same	300mm SQ
	12" SQ	12" SQ	12" SQ	Same	12" SQ
AIRFLOW REQUIRED (ALL FUELS)	Single mouth oven; Min 700 Litres/Sec (1500Cfm); no maximum as suction is controlled by flue damper; Oven with grill; Min 1000 Litres/Sec (2000Cfm); no maximum as suction is controlled by flue damper.				
Secondary Air for Gas Burner	6.0 litres per second(approx)	6.0 litres per second(approx)	6.0 litres per second(approx)	12.0 litres per second(approx)	N/A
	12 cfm approx	12 cfm approx	12 cfm approx	24 cfm approx	
Air Conditioning Heat Load	Less than 2 Kw Heat Load (7000 Btu)				

Note:

- Metric / Imperial conversions are close approximations and not necessarily exact.
- The term "same" or "double" in the "Gas only" ovens column means the same, or double, the specification for the type of gas in use, e.g. natural gas, LPG or Town gas.

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