

## INDUSTRIAL GAS OVEN





## *Electrical Specifications*

Our ovens meet the requirements of NFPA86. They are class B ovens, i.e. they operate at atmospheric pressure. The ovens must not contain any volatile flammable or combustible material otherwise additional features must be added in order to meet the requirements for class A ovens.

The following list states the standard specifications of our models FG500-xxxx. Other additional features are also available as options.

- Operating on 600V, 3-phases, 600Hz;
- Completely wired and tested.

### Control panel

- Terminals for Incoming Power (disconnect not included);
- Temperature Controller 1/16 din with Type J Thermocouple;
- Heating and Ventilation Switches;
- Pilot Light;
- Control Panel Nema 1 meeting the CSA Requirements;
- Purge Timer.





## *Mechanical Specifications*

### Air Recirculation

#### **Blower**

- CFM as specified, 2" w.g. @ 70F
- Selected *AIREX* SXB model, class 2S
- Backward inclined
- Shaft cooler

#### **Motor**

- High efficiency TEFC
- Between 1.5 et 10 HP
- 1800 or 3600 RPM depending on model
- OSHA guards
- V-belts type B

### Burner

- *Eclipse* 040AH / 080AH / 120AH Models;
- Capacities of 500,000 / 1,000,000 / 1,500,000 BTUh.

### Insulation

- Mineral Wool *ROXUL* RHF60;
- Maximum Service Temperature of 1200F;
- 4" Insulation for Walls and Ceiling, 2" Floor Insulation.

### Power Exhaust

#### **Blower**

- CFM as specified, 2" w.g. @ 70F
- SXI 6WF
- Shaft cooler

#### **Motor**

- High efficiency TEFC
- 1.5 or 3 HP, as specified
- 1800 or 3600 RPM as specified
- OSHA guards
- V-belts type B

#### **Chimney**

- Chimney diameter based on 15ft high chimney
- 2" *ROXUL* RHF60 insulation on outlet box
- Adjustable damper

### Gasket

- Glass Fibre High Temperature Gasket with Wiremesh Inconel Insert;
- Maximum Service Temperature 1000°F.

### Casing

- External Painted : Steel ASTM36 20GA;
- Internal : Galvanized Steel 18GA;
- Internal Reinforcement : Steel ASTM36 18GA;
- Reinforcements are placed at Insulation Extremities, i.e. every 24". Truck Wheel Guide Tracks Included.

### Paint

- Phosphate Surface Preparation;
- Two Polyurethane Coatings.

### Handles/Hinges

- *BRIXON* 2PC1;
- 3 to 4 Industrial Caliber Hinges.





## ***OPTIONAL FEATURES- FG500-xxx***

### Electrical features

- Alarm Relay;
- Alarm Strobe Light;
- Alarm Buzzer;
- Open Door Detector;
- Circular Chart Recorder;
- Digital Daily Time Switch, 7 days/24hours;
- Hour Meter for Blower;
- Incoming Disconnect with Fuses;
- Control Panel Nema 12;
- Temperature Controller 1/8 din or ¼ din;
- Programmable Temperature Controller.

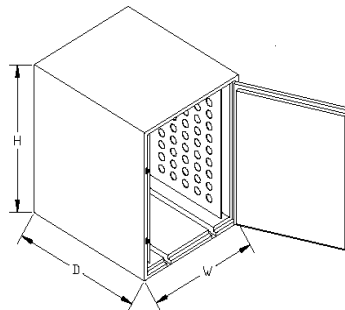
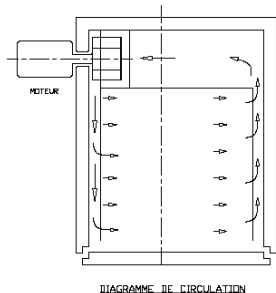
### Mechanical Features

- Additional Features necessary for Class A Ovens;
- Explosion Hatch and Venting;
- Exhaust Stack;
- Thermocouple Guard;
- Motor Guard;
- Shaft / Bearing Guard;
- Sliding Doors;
- Automatic Door Opening Device;





## Technical data sheet – Industrial gas ovens



MODEL	MAXIMUM TEMPERATURE (F)	DIMENSIONS			HEAT INPUT BTU / hr	BLOWER CFM	HP	INSULATION
		Interior (H x D x W)	Working space (pi <sup>3</sup> )	Exterior (H x D x W)				
FG500-644	500	72"x48"x48"	96	78"x74"x68"	250 000	2083	1,5	4"
FG500-665	500	72"x72"x60"	180	78"x101"x80"	300 000	2805	2	4"
FG500-685	500	72"x96"x60"	240	78"x128"x84"	350 000	3570	3	4"
FG500-666	500	72"x72"x72"	216	78"x104"x96"	350 000	3570	3	4"
FG500-686	500	72"x96"x72"	288	78"x130"x96"	400 000	5100	5	4"
FG500-6106	500	72"x120"x72"	360	78"x158"x112"	600 000	6630	5	4"
FG500-6126	500	72"x144"x72"	432	78"x182"x120"	600 000	8500	7,5	4"
FG500-886	500	96"x96"x72"	384	102"x134"x100"	600 000	6630	5	4"
FG500-787	500	84"x96"x84"	392	90"x134"x116"	600 000	6630	5	4"
FG500-7107	500	84"x120"x84"	490	90"x158"x124"	600 000	8500	7,5	4"
FG500-7127	500	84"x144"x84"	588	90"x184"x132"	700 000	10625	7,5	4"
FG500-8108	500	96"x120"x96"	640	102"x160"x136"	800 000	10625	7,5	4"
FG500-8128	500	96"x144"x96"	768	102"x195"x154"	1 200 000	14875	10	4"

In order to have our product meet the highest technological standards, we reserve the right to modify its specifications without notice.

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