INDUSTRIAL OVENS AND FURNACES

TABLETOP FURNACE

INDUSTRIAL & LABORATORY TABLETOP FURNACES

Pyradia's tabletop furnaces integrate quality components and superior workmanship, for maximum performance in a variety of industrial or laboratory applications, at temperatures as high as 2 300°F (1 260°C).

These tabletop units are available in either a gray and red enamel paint finish or oxidation resistant stainless steel 304 finish. The specially designed grooved bricks optimize heat transfer and fully support the FeCrAl heating elements for maximum life expectancy. The "open coil heating elements" are easily accessible for maintenance.



The highest quality low-density refractory bricks are used in the construction of its chamber to assure maximum insulation. Pyradia tabletop furnaces are equipped with state of the art ramp to set point digital microprocessor temperature controller.



Table Top Furnace Project

- **GENERAL HEAT TREATMENT**
- **RESEARCH & LABORATORY**
- **PYROLYSIS PROCESS**
- **INVESTMENT CASTING**
- **JEWELLRY**

Our rugged furnace design incorporates quality hardware to a heavy gauge casing, for increased durability in all types of processes.

Pyradia Belfab

Pyradia Inc.
5125 J.-A. Bombardier, St-Hubert, J3Z 1G4, QC, Canada
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FEATURES

- Cabinet design & construction choice of enamel coated steel casing of stainless steel 304 finish
- Horizontal opening door heavily hinged with a 180° opening
- Insulation 4 1/2 / 11cm pre-grooved refractory bricks
- Microprocessor temperature controller, with auto tuning PID parameter
- Low watt density FeCrAl heating elements
- Furnace chamber hearth of cordiorite hearth plate





OPTIONS

- Vertical opening counterbalanced guillotine lifting door with “Zero weight positioning”
- Heavy-duty furnace floor stand
- Ni-cr heating elements used in corrosive environment
- Programmable controller with 4 programs with 10 segments ramp/soak profiles
- Solid state relay (SSR) for longer element life, temperature accuracy and silent operation
- Adjustable exhaust vent slide gate located on top of furnace to vent corrosive vapors, also comes with a peephole in door
- High limit controller automatically shuts down heating elements when maximum temperature is exceeded
- Door safety switch automatically shuts off heating elements when door is opened

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SPECIFICATIONS

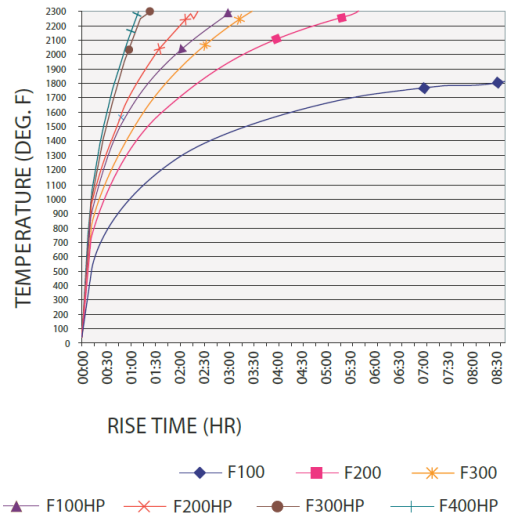
DIMENSIONS AND WEIGHT

Models	Inside dimensions			Outside dimensions			Weight (lbs/kgs)
	Width (IN/CM)	Depth (IN/CM)	Height (IN/CM)	Width (IN/CM)	Depth (IN/CM)	Height (IN/CM)	
F100/F100HP	10.0/25	11.5/29	10.0/25	20.0/50	29.0/73	29.0/73	180/81
F200/F200HP	13.5/34	16.0/40	12.5/31	23.5/59	34.0/86	31.0/78	325/147
F300/F300HP	18.0/45	20.5/52	15.0/38	27.5/69	38.0/96	34.0/86	475/215
F400HP	13.5/34	29.5/75	15.0/38	23.5/59	46.0/116	34.0/86	1 000/453

TEMPERATURE CURVE AND SPECIFICATIONS

STANDARD POWER MAX. TEMPERATURE				
Models	**Continuous**	**Intermittent**	**Voltage**	**kW**
F100	1 800°F-1 000°C	1 800°F-1 000°C	120/1/60	1.5
F200	2 000°F-1 100°C	2 300°F-1 260°C	240/1/60	3.3
F300	2 000°F-1 100°C	2 300°F-1 260°C	240/1/60	6.0
F400	N/D	N/D	N/D	N/D

HIGH POWER MAX. TEMPERATURE				
Models	**Continuous**	**Intermittent**	**Voltage**	**kW**
F100	2 000°F-1 100°C	2 300°F-1 260°C	240/1/60	3.0
F200	2 000°F-1 100°C	2 300°F-1 260°C	240/1/60	5.0
F300	2 000°F-1 100°C	2 300°F-1 260°C	240/1/60	10.0
F400	2 000°F-1 100°C	2 300°F-1 260°C	240/1/60	15.0



* Note: The temperature curve presented in these graphs is based on testing performed on furnaces without chimneys, for furnaces coming with chimney option, temperature ramp-up time will increase by 15%.

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