



**HEAVY-DUTY  
2 300°F FURNACES // 1 260°C**

- + GENERAL HEAT TREATING
- + ANNEALING
- + HARDENING
- + TEMPERING

## HEAVY-DUTY

**2 300°F FURNACES // 1 260°C**

PYRADIA's heavy-duty furnaces are designed for an intensive and continuous use. Equipped with a ramp to set point digital indicating controller, our high temperature furnaces allow you to reach and accurately maintain the desired temperature. In order to minimize the heat up and cool down times, our furnaces are insulated with the best refractory bricks. The temperature control accuracy and the quality of the insulation of our furnaces enable you to achieve maximum performance and efficiency.

**TEMPERATURES UP TO 2 300°F/1 260°C** Our heavy-duty furnaces offer remarkable performance, long service life and ease of operation. A variety of options enable you to customize our heavy-duty furnaces to meet your process specifications.

**++ LONG-LASTING AND EFFICIENT, PYRADIA'S HEAVY-DUTY FURNACES CAN BE USED IN A VARIETY OF PROCESSES.**

**HEATING ELEMENTS** The specially designed grooves optimize heat transfer and fully support heating elements for maximum life expectancy. The open coil FeCrAl heating elements are easily accessible for replacement.





Unit shown is a IF272725  
Equipped with optional guillotine door

- + Heavily hinged 180° opening door
- + Maximum temperature of 2 300°F/1 260°C
- + High quality insulating brick backed with hi-density fiberboards
- + Autotuning digital set point temperature controller with +/- 0.3 % precision
- + Fast heat up rate and recovery time
- + Factory wired, assembled and tested for simple set-up and operation
- + Hi-limit overshoot protection
- + Heavy-duty fire brick hearth with removable hearth plates
- + No operation noise
- + Automatic door switch to turn off the fans or heat when door is open
- + Heavy 1/4"/0.6 cm structural frame lined with 16g. HRS
- + CSA US/CE approved control panel

## FEATURES

- + Manual guillotine door, pneumatic guillotine door, electric guillotine door
- + Programmable controls and timers
- + Alloy circulating fan for greater chamber temperature uniformity up to 2 100°F/1 260°C
- + SCR power controls
- + Process timer to shut down the furnace
- + Circular or strip chart temperature recorder
- + Steel and alloy trays
- + Chimney
- + NiCr Heating Elements
- + High power versions available
- + Special element arrangements to accommodate process
- + Inert gas arrangement

## OPTIONS

**PROCESSES METAL GLASS CERAMIC CHEMICALS**

# SPECIFICATIONS

MODELS	INSIDE DIMENSIONS			OUTSIDE DIMENSIONS			HEATING POWER (kw)	WEIGHT (lbs/kgs) approx.
	WIDTH (inches/cm)	DEPTH (inches/cm)	HEIGHT (inches/cm)	WIDTH (inches/cm)	DEPTH (inches/cm)	HEIGHT (inches/cm)		
IF 141413	13.5/34	13.5/34	12.5/31	41/104	35.5/90	55.5/140	5	500/226
IF 181820	18/45	18/45	20/45	45/114	40/101	66/167	9.5	850/385
IF 182725	18/45	27/68	25/63	45/114	49/124	71/180	13	1 250/566
IF 232320	22.5/57	22.5/57	20/50	50/127	45/114	67/170	15	1 150/521
IF 233223	22.5/57	31.5/80	22.5/57	50/127	54/137	70/177	22	1 500/680
IF 272725	27/68	27/68	25/63	54/137	49/124	72.5/184	20	1 600/725
IF 273230	27/68	31.5/80	30/76	54/137	54/132	71.5/181	25	1 900/861
IF 275025	27/68	49.5/125	25/63	54/137	72/182	67/170	30	2 400/1 088
IF 363635	36/91	36/91	35/88	63/160	58/147	76.5/194	45	2 600/1 179
IF 365017	36/91	49.5/125	17/43	63/160	72/182	65/165	40	2 700/1 224
IF 414138	40.5/102	40.5/102	37.5/95	68/172	63/160	79/200	60	3 300/1 495

- + Standard models shown here, other sizes available on request.
- + PYRADIA improves its products continuously and may change the specifications without notice.



PYRADIA also designs and manufactures metal melting furnaces, heat treating furnaces, drop bottom solution ovens, walk-in ovens and cabinet ovens. ISO 9001 • 2000 certification guarantees the quality of our products. For more information on our products and services, do not hesitate to visit our WEB site at [www.pyradia.com](http://www.pyradia.com)

### GUARANTEE

All PYRADIA heavy-duty furnaces carry a one year guarantee.

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