



# Hot-Room Heater

The Fostoria Process Equipment Division of TPI Hot Room Heater Series can heat rooms up to 150° (F) to bake, cure, dehydrate; or in general, to heat miscellaneous products or coatings requiring heat in a non-hazardous batch-type environment. The HR Heater can be used inside the room being heated, or located outside the room, with provisions for ducting inlet and outlet air.

- Accelerate drying times
- De-hydrate products
- Simulate higher ambient temperatures



- 24 Volt time/temperature control with remote capability
- Replaceable filter
- Durable powder coat finish
- Stainless steel enclosed spiral fin elements
- Duct flanges at inlet and discharge

Control Panel (Interior View)



**Powder Coating Institute**

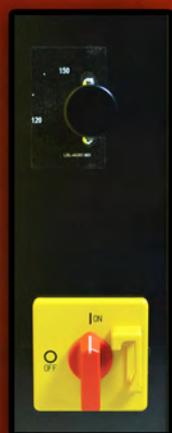
# Standard Models

MODEL #	VOLTAGE / PHASE	HEATING LOAD (KW)	CABINET DIMENSIONS			MOTOR HP	TOTAL AMPS	CFM	TEMP RISE
			Height	Width	Length				
HR-F1-7	208/1	7	18	22	36	1/3	36	1800	13.4
HR-F3-8.5	208/3	8.5	18	22	36	1/3	26	1800	16.3
HR-F3-12.2	208/3	12.2	18	22	36	1/3	36	1800	23.4
HR-H1-8.1	240/1	8.1	18	22	36	1/3	36	1800	15.5
HR-H3-8.5	240/3	8.5	18	22	36	1/3	23	1800	16.3
HR-H3-14.1	240/3	14.1	18	26	36	3/4	39	2200	22.1
HR-P3-10.0	480/3	10.0	18	22	36	1/3	14	1800	19.2
HR-P3-15.0	480/3	15.0	18	26	36	3/4	20	2200	23.5
HR-P3-20.0	480/3	20.0	18	26	36	3/4	26	2200	31.4
HR-P3-24.0	480/3	24.0	18	26	36	3/4	31	2200	37.2

\*\*Fostoria engineers can assist with heater/model sizing for the application

## Specifications and Additional Information:

- High-temperature rated, ball bearing motor; forward curved centrifugal blower; standard with airflow switch, temperature limit controls (manual and automatic resets), and lockable disconnect switch with fuse block.
- Galvannealed 20 Gauge heavy duty metal housing.
- Totally enclosed, finned tubular stainless-steel heating elements, provide the benefits of closer temperature regulation, less chance of shock hazards, less susceptibility for shorting, easy service; and will better withstand physical abuse.
- Capability of mounting for in-room use, or mounting at an external wall/ceiling, with the heat inlet/outlet ducted to/from the room. 1" duct flanges at inlet and discharge ends are standard, to provide for ducting on the unit.
- All models listed are designed for permanent mounting and hard wiring.
- A typical hot room should be totally enclosed, with provisions made to keep air from escaping, other than the air being ducted thru the heater itself when the unit is mounted outside the room. As always, insulation should be considered for walls and ceiling, to maximize energy efficiency and heater performance.



Thermostat and Control

