

Commercial Unit Heater

The UHIR has replaced the UHI product offering. Please contact the factory or your local representative for information on the UHIR unit heater.



The UHI unit heater provides quiet, reliable, horizontal airflow for commercial and industrial applications.

- **Compact Design:** Industry's most compact 3-10 KW unit heater design with performance that meets or exceeds other units on the market.
- **Factory Built-in Controls:** Control options are built-in and wired at the factory to meet job specifications, saving the cost of field-installed kits.
- **Single Point Electrical Hook-up:** Heater, fan motor and controls are all connected to the same branch circuit.
- **Balanced Three-phase Power:** All three-phase heaters have balanced loads, eliminating the need to phase balance unit heater electrical loads within the building.

Applications

- Factories
- Shipping and Receiving Areas
- Garages
- Storage Areas
- Mechanical Rooms
- Warehouses
- Pump Houses
- Workshops
- Service Areas in Air Handling Units

Standard Construction Features

Heating Elements – Industrial grade, type 304 stainless steel tubular elements manufactured by INDEECO.

Housing – Heating elements and motor are enclosed in a 20-gauge galvanized steel cabinet with a beige powder coat finish for durability.

Outlet Grille – The outlet grille has individually adjustable louvers to direct airflow. An outlet mesh screen is provided for additional safety.

Fan Motor – Quiet, totally enclosed, factory-lubricated motor has integral thermal protection.

Built-in Controls – Include automatic reset thermal cutout and fan delay relay. A 24-volt transformer and contactor are provided in all heaters except 3 KW and 5KW single-phase units.

Installation Requirements – Install for horizontal airflow only. Minimum installation height above the floor is six feet. For best performance, do not install unit heaters above recommended maximum mounting height of eight feet.

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Factory Built-in Options

Code	Description
D	Power disconnect switch for up to 25 amps
	Power disconnect switch for up to 50 amps
M	Manual reset thermal cutout (in addition to automatic reset cutout)
P	"Heater On" pilot light
R	Relay required for remote three-position selector switch (2)
R2	Built-in 24V transformer and magnetic contactor for 3 & 5 KW; single-phase heaters at 208, 240 or 277V
T5	Thermostat
U	Three-position selector switch (heater-standby-fan) (3)
X	120V transformer to replace 24V transformer

(2) When a remote selector switch is required, option "R" must be ordered with all heaters. Both "R" and "R2" options are required for 3 and 5 KW; 208, 240 and 277-volt single-phase heaters.

(3) When a built-in selector switch "U" is required, option "R2" must be ordered with 3 and 5 KW; 208, 240 and 277-volt single-phase heaters.

Remote Room Thermostat – See page 95

Field-Installed Options

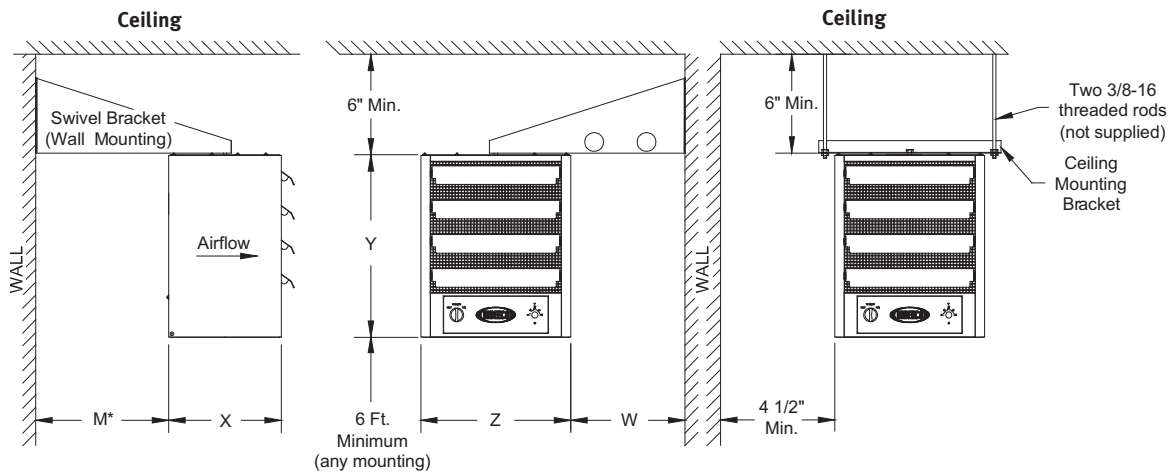
(shipped loose for field installation into heater)

Catalog Number	Description
1018799	Wall mounting bracket
1020172	Ceiling mounting bracket
1020173	Remote three-position selector switch (heater-standby-fan) (2)

Dimensions, Airflows and Weights

KW	Dimensions = In. (cm)					Weight lb (kg)	Max. Air Flow Ft. (m)
	M*	W	X	Y	Z		
3-5	11 (27.94)	9 (22.86)	9 (22.86)	14-1/2 (36.83)	12 (30.8)	15 (6.8)	15 (4.6)
7.5-10	11 (27.94)	8 (20.32)	11 (27.94)	19-1/2 (9.93)	14-1/2 (36.83)	25 (11.34)	18 (5.5)

*Maximum inlet clearance required for any mounting position.



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Commercial Unit Heater Listing

KW	Volts	Phase	Total Amps (1)	CFM	Approximate Air Temperature Rise °F (°C)	Installed Weight lb (kg)	Catalog Number
3	208	1	14	350	27 (15)	15 (7)	239-U103C
	240	1	13	350	27 (15)	15 (7)	239-U103J
	277	1	11	350	27 (15)	15 (7)	239-U103N
	208	3	8	350	27 (15)	15 (7)	239-U103D
	240	3	7	350	27 (15)	15 (7)	239-U103K
	480	3	4	350	27 (15)	15 (7)	239-U103U
5	208	1	24	350	46 (26)	15 (7)	239-U105C
	240	1	21	350	46 (26)	15 (7)	239-U105J
	277	1	18	350	46 (26)	15 (7)	239-U105N
	208	3	14	350	46 (26)	15 (7)	239-U105D
	240	3	12	350	46 (26)	15 (7)	239-U105K
	480	3	6	350	46 (26)	15 (7)	239-U105U
7.5	208	1	36	650	37 (21)	25 (11)	239-U207C
	240	1	31	650	37 (21)	25 (11)	239-U207J
	277	1	27	650	37 (21)	25 (11)	239-U207N
	208	3	21	650	37 (21)	25 (11)	239-U207D
	240	3	18	650	37 (21)	25 (11)	239-U207K
	480	3	9	650	37 (21)	25 (11)	239-U207U
10	208	1	48	650	49 (27)	25 (11)	239-U210C
	240	1	42	650	49 (27)	25 (11)	239-U210J
	277	1	36	650	49 (27)	25 (11)	239-U210N
	208	3	28	650	49 (27)	25 (11)	239-U210D
	240	3	24	650	49 (27)	25 (11)	239-U210K
	480	3	12	650	49 (27)	25 (11)	239-U210U

(1) Total Load = Heating element amps and motor amps.

All three-phase heaters have balanced loads. All standard heaters are supplied with 24-volt transformer and contactor except 3 & 5 KW single-phase 208, 240 & 277 volt units. Optional low voltage transformer and contactor are available for these heaters, see Factory Built-in Option R2. Heaters must be ordered with either wall or ceiling mounting bracket.

Only available in textured beige color.