



NEW UHI SERIES

Commercial Unit Heater



UHI Heater provides quiet reliable fan-forced heating for commercial and industrial applications.

- ▶ Garages
- ▶ Warehouses
- ▶ Shipping & Receiving Areas
- ▶ Mechanical Rooms
- ▶ Pump Houses
- ▶ Factories
- ▶ Workshops
- ▶ Storage Areas

Standard Construction Features:

- Powder coated beige steel cabinet.
- Stainless steel tubular elements.
- Individually adjustable louvers.
- Outlet mesh screen.
- Fan delay relay.
- Automatic reset thermal cutout.
- 24 Volt transformer and contactor in all heaters except 3 and 5 kW 208, 240 and 277 Volt single phase.
- Single point connection.
- Wall or ceiling mounting bracket.
- Horizontal airflow.

Optional Features:

- Built-in manual reset thermal cutout.
- 120 Volt control.
- Built-in disconnect switch.
- Built-in or remote room thermostat.
- Built-in 24 Volt transformer and contactor for 3 and 5 kW single phase 208, 240 and 277 Volt heaters.
- Built-in or remote three-position selector switch (Heater-Standby-Fan).
- Built-in "Heater On" pilot light.

UHI SERIES

Models

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

- Notes: (1) Total load includes fractional motor load
 (2) All three phase heaters have balanced loads
 (3) All standard heaters are supplied with built-in 24 Volt transformer and contactor except the six items designated ⁽³⁾
 (4) Heaters must be ordered with either wall or ceiling mounting bracket

Accessories

Part Number	Description
1018799	Wall mounting bracket
1020172	Ceiling mounting bracket
1020173	Remote three-position selector switch
1007014	Load-carrying wall mounted thermostat
1006998	Low voltage (24VAC) wall mounted thermostat

See Catalog C90 Page 32 for selection of remote mounted thermostats.

Factory Built-In Options

Code	Description
D	Power disconnect switch
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
R2	Built-in 24 Volt transformer and magnetic contactor for 3 & 5 kW; single phase heaters at 208, 240 or 277 Volts
T5	Load-carrying single pole thermostat
U	Three-position selector switch (Heater-Standby-Fan)
X	120 Volt transformer to replace 24 Volt transformer

Commercial Unit Heater

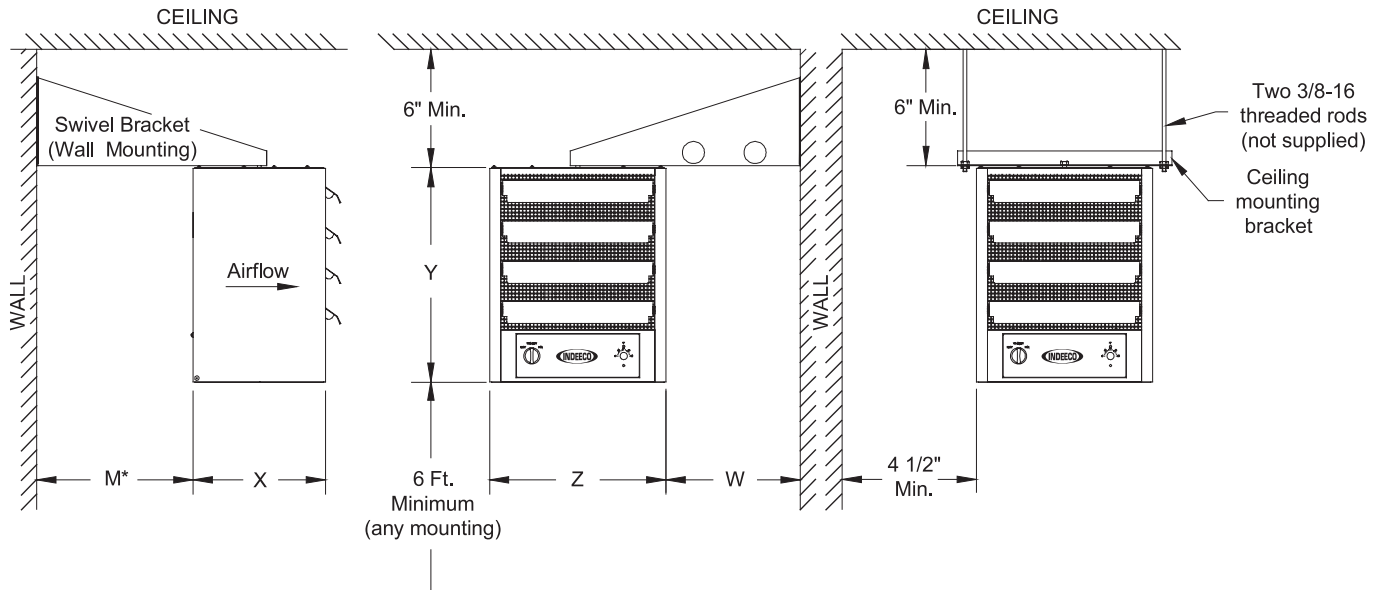
UHI - SAMPLE SPECIFICATION

Check off options which you require. Standard built-in controls have already been checked off.

- 1) Electric Commercial Unit Heaters shall be manufactured by INDEECO, with controls built-in and factory pre-wired as shown below. Heater is to be a forced fan type, UL Listed, of the kW rating, voltage and phase specified in the schedule.
- 2) Tubular heating elements shall have type 304 stainless steel sheath and terminals.
- 3) Provide the following standard built-in controls:
 - Automatic reset thermal cutout for primary over-temperature protection.
 - 24 VAC transformer and magnetic contactor.*
 - Fan relay to eliminate cold drafts when fan starts up, and dissipate stored element heat before fan shuts down.
 - Fan motor thermal protection.
- 4) Cabinet shall be heavy gauge galvanized steel, finished with a baked-on powder coat finish.
- 5) Outlet grille shall have adjustable 45° angled louvers. In addition, an outlet protective screen shall prevent debris from reaching the element compartment. Inlet grille shall comply with OSHA requirements for a fan blade guard.
- 6) Single point, line voltage connection for incoming power enables heater, fan and controls to be connected to the same branch circuit.
- 7) Provide mounting bracket with single point suspension to allow heater to be rotated a full 360°. *[Check off one of the following options]*
 - Wall mounting bracket.
 - Ceiling mounting bracket. Note that two 3/8"-16 threaded rods, cut to length, are required for field installation.
- 8) Additional controls shall be built-in and factory pre-wired as indicated below. *[Check off options to be included]*
 - 24 VAC transformer and magnetic contactor for 3 & 5 kW single phase 208, 240 & 277 Volt heaters.*
 - Load-carrying thermostat* with 0° to 120°F (-18° to 49°C) range.
 - Three-position selector switch (Heater–Standby–Fan).*
 - “Heater On” pilot light to indicate when elements are energized.
 - Manual reset thermal cutout, in addition to the automatic reset cutout.
 - Power disconnect switch.
 - 120 VAC transformer to replace the 24 VAC transformer.
- The following accessories are factory furnished for field mounting: *[Check off options to be included]*
 - Remote three-position selector switch (Heater–Standby–Fan).*
 - Load-carrying wall mounted room thermostat with 50° to 80°F (10° to 27°C) range.
 - Low Voltage (24VAC) wall mounted room thermostat* with 50° to 90°F (10° to 32°C) range.

* Note: For 3 & 5 kW single phase 208, 240 & 277 Volt heaters, no contactor and transformer are required when controlled by a load-carrying thermostat. Contactor and transformer are required when used with a three-position selector switch.

Dimensions, Weights and Air Throws



kW Ratings	Dimensions - Inches (cm)					Weight Lbs (kgs)	Max. Air Throw Feet (m)
	M^*	W	X	Y	Z		
3-5	11 (27.94)	9 (22.86)	9 (22.86)	14 1/2 (36.83)	12 (30.48)	15 (6.8)	15 (4.6)
7.5-10	11 (27.94)	8 (20.32)	11 (27.94)	19 1/2 (49.53)	14 1/2 (36.83)	25 (11.34)	18 (5.5)

* Minimum inlet clearance required for any mounting position.



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