

Industrial Unit Heater

For Non-Hazardous Areas
For Non-Corrosive Areas



INDEECO's Industrial Unit Heater offers efficient heating for many industrial and commercial applications. Unique design features include:

- Powder coat finish on galvanized steel for durability.
- Heating elements are of type 304 stainless steel finned tubular construction.
- Inlet grille complies with OSHA requirements for fan blade guard.
- Outlet grille with 45° angled louvers.
- Single point electrical hook up. Heater, fan motor and controls are all connected to the same branch circuit.
- Standard electrical controls consist of main control magnetic contactor, control voltage transformer, automatic reset thermal cutout and fan thermostat.
- Motor is UL Recognized with built-in thermal protection.
- Wall mounting bracket with single point suspension. The heater can be rotated in a full 180° arc.

Ratings Available

- Up to 38.4KW
- Up to 480 Volts

Stock Options

Option	Description	Code
Built-in Disconnect Switch	This is an inexpensive way to meet NEC/CEC requirements for a disconnecting means within sight of the heater.	D
Built-in Fan Relay With Remote Fan Switch	To help circulate air, add a fan relay with a remote fan switch. Fan will blow air through the non-energized elements.	F
High Performance Fan Motor	Substitute the high performance fan motor to maximize the horizontal throw of the heater.	P

Applications

- Factories
- Garages
- Entryways
- Service Stations
- Pump Houses
- Power Generating Stations
- Hangars

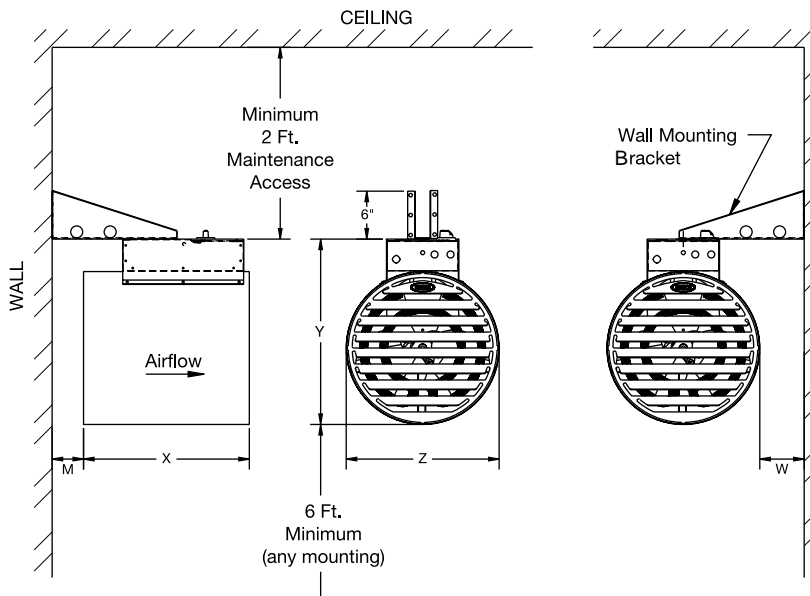
Custom Options

Option	Description	Code
"Heater On" Pilot Light	Indicates when the heating elements are energized. Red light labeled "Heater On".	L
Manual Reset Thermal Cutout	Back-up manual reset thermal cutout provides protection against failure of the primary system.	M
Adjustable Outlet Louvers	To better direct airflow, add individually adjustable outlet louvers.	O
Selector Switch	Three position selector switch wired to control circuit for heater on, heater standby and fan only control.	S
Built-in Thermostat	Add an adjustable thermostat with a 0° to 120°F (-18° to 49° C) range.	T

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Dimensions, Weights and Air Throws

KW Ratings	Dimensions – Inches (mm)					Weight Lbs (kgs)	Maximum Air Throw – Feet (m)
	M	W	X	Y	Z		
1 - 12	8¼ (210)	8¾ (222)	15 (381)	17 (432)	13 (406)	45 (20)	15 (5)
12.5 - 20	7 (178)	5½ (140)	16¼ (413)	23½ (597)	19¼ (489)	60 (27)	50 (15)
25 - 38.4	4 (102)	5½ (140)	20¾ (527)	23½ (597)	19¼ (489)	80 (36)	50 (15)



Motor Data

Description	RPM	Airflow - CFM (cubic meters/hr.)			Noise Level (dB)		
		Small	Medium	Large	Small	Medium	Large
Standard	1200	362(615)	1342(2280)	1237(2102)	64	68	68
Premium	1800	618(1050)	1774(3014)	1635(2778)	75	84	84

How to Order

Specify:

1. **Catalog Number** - select from Industrial Unit Heater catalog listing on page 34.
2. **KW, Voltage and Phase** - select from catalog heater listing on page 34.
3. **Options** - specify the option code letter- see page 32.
4. **Accessory Room Thermostat** - specify if remote room thermostat is required.

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Industrial Unit Heater Listing

KW	Heater			Motor			Approx. Air Temp. Rise °F (°C)	Industrial Unit Heater Catalog Number	Availability Code (1)(2)
	Volts	Phase	Amps	Volts	Phase	Amps			
3.0	208	1	15	208	1	1.5	21 (12)	238-UT03C	S
	240	1	13	240	1	1.4	21 (12)	238-UT03J	C
	480	1	7	480	1	0.7	21 (12)	238-UT03T	C
	208	3	9	208	1	1.5	21 (12)	238-UT03D	C
	240	3	8	240	1	1.4	21 (12)	238-UT03K	C
	480	3	4	480	1	0.7	21 (12)	238-UT03U	S
5.0	208	1	25	208	1	1.5	35 (19)	238-UT05C	C
	240	1	21	240	1	1.4	35 (19)	238-UT05J	C
	480	1	11	480	1	0.7	35 (19)	238-UT05T	C
	208	3	14	208	1	1.5	35 (19)	238-UT05D	C
	240	3	13	240	1	1.4	35 (19)	238-UT05K	S
	480	3	7	480	1	0.7	35 (19)	238-UT05U	S
7.5	208	1	37	208	1	1.5	53 (29)	238-UT08C	C
	240	1	32	240	1	1.4	53 (29)	238-UT08J	C
	480	1	16	480	1	0.7	53 (29)	238-UT08T	C
	208	3	21	208	1	1.5	53 (29)	238-UT08D	S
	240	3	19	240	1	1.4	53 (29)	238-UT08K	C
	480	3	10	480	1	0.7	53 (29)	238-UT08U	S
9.0	208	1	44	208	1	1.5	64 (36)	238-UT09C	C
	240	1	38	240	1	1.4	64 (36)	238-UT09J	C
	480	1	19	480	1	0.7	64 (36)	238-UT09T	C
	208	3	26	208	1	1.5	64 (36)	238-UT09D	C
	240	3	22	240	1	1.4	64 (36)	238-UT09K	C
	480	3	11	480	1	0.7	64 (36)	238-UT09U	C
10.0	240	1	42	240	1	1.4	70 (39)	238-UT10J	C
	480	1	21	480	1	0.7	70 (39)	238-UT10T	C
	208	3	28	208	1	1.5	70 (39)	238-UT10D	C
	240	3	25	240	1	1.4	70 (39)	238-UT10K	C
	480	3	13	480	1	0.7	70 (39)	238-UT10U	S
	12.0	480	1	26	480	1	0.7	62 (34)	* 238-UT12T
208		3	34	208	1	1.5	62 (34)	* 238-UT12D	C
240		3	30	240	1	1.4	62 (34)	* 238-UT12K	C
480		3	15	480	1	0.7	62 (34)	* 238-UT12U	C
12.5	208	3	35	208	1	1.5	31 (17)	238-UL3D	C
	240	3	31	240	1	1.4	31 (17)	238-UL13K	C
	480	3	16	480	1	0.7	31 (17)	238-UL13U	C
15.0	208	3	42	208	1	1.5	38 (21)	238-UL15D	C
	240	3	37	240	1	1.4	38 (21)	238-UL15K	C
	480	3	19	480	1	0.7	38 (21)	238-UL15U	S
20.0	480	3	25	480	1	0.7	35 (19)	* 238-UL20U	S
25.0	480	3	31	480	1	0.7	66 (37)	238-UA25U	C
30.0	480	3	37	480	1	0.7	79 (44)	238-UA30U	S
35.0	480	3	43	480	1	0.7	61 (34)	* 238-UA35U	C
38.4	480	3	47	480	1	0.7	70 (39)	* 238-UA39U	C

* Premium motor comes standard with heater.

(1) Availability Code: S = Stock, C = Custom

(2) Stock heaters ordered with custom options subject to longer delivery.



Industrial Unit Heater

Sample Specification

A sample specification can be prepared by using the following information. A check box has been supplied so that you may mark those sections which you require. Material which is part of the standard INDEECO Industrial Unit Heater specification has already been checked.

- 1. Electric Industrial Unit Heaters shall be manufactured by INDEECO, with built-in controls and UL Listed. Heater to be forced fan type of the KW rating, voltage and phase specified in the schedule.
- 2. The heating elements shall be of type 304 stainless steel finned tubular construction.
- 3. The motor shall be UL Recognized with built-in thermal protection.
- 4. Heating elements and motor to be enclosed in a round, heavy gauge galvanized steel shroud with a baked powder coat finish.
- 5. Wall mounted bracket with single point suspension. The heater can be rotated a full 180° arc.
- 6. Outlet grille with 45° angled louvers. Inlet grille that complies with OSHA requirements for fan blade guard.
- 7. Single point, line voltage connection for incoming power. Heater, fan and controls can all be connected to the same branch circuit.
- 8. The following optional components are to be built-in and factory pre-wired:
 - Heater control thermostat – 0° to 120°F (-18° to 49°C) range
 - Three position selector switch (Heater - Standby - Fan)
 - “Heater On” pilot light to indicate when heating elements are energized
 - Manual reset thermal cutout
 - Power disconnect switch
 - Fan relay - Remote fan switch
- 9. Substitute high performance fan motor to increase horizontal throw distance (comes standard on some unit sizes).
- 10. Add adjustable outlet louvers to better direct flow.
- 11. Delete transformer (customer supplied control voltage required).
- 12. Replace wall mounted bracket with mounting bracket for ceiling installations. The heater can be rotated a full 180° arc.
- 13. Add an accessory wall mounted room thermostat. Adjustable from 50° to 90°F (10° to 32°C).