

# COMPACT UNIT HEATER



## Applications

- Chemical Storage/ Handling Areas
- Compressor Stations
- Marine and Offshore
- Oil Platforms and Refineries
- Sewage/Wastewater Treatment Plants
- Spray Booths



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Class I, Divisions 1 and 2, Group D  
Class I, Zones 1 and 2, Group IIA

INDEECO's COMPACT explosion-proof unit heater is designed with both size and economy in mind. COMPACT advantages and unique features include:

- **Compact Size:** This small design is only 13 inches wide, which makes it ideal for applications where limited space is available.
- **Low Cost:** The COMPACT design offers the most economical solution for heating small Class I, Group D hazardous areas. It is a cost effective alternative to the use of explosion-proof convection heaters.
- **Redundant Overtemperature Protection:** Primary and secondary automatic reset thermal cutouts for additional safety.
- **Stainless Steel Construction:** Provides superior corrosion resistant protection. Optional Dirty Duty construction adds epoxy coating to all aluminum parts for use in corrosive applications.
- **Optional Marine Duty Construction:** The COMPACT design is ideal for shipboard use where size, weight and corrosion resistant construction are critical.

## Standard Construction Features

**Heating Elements** – Industrial grade, Type 304 stainless steel finned tubular heating elements are manufactured by INDEECO.

**Terminal Enclosure** – A NEMA 7, 9 cast aluminum enclosure with a threaded bottom cover permits easy access to the built-in controls from underneath the heater.

**Housing** – Round, 16-gauge stainless steel shroud.

**Grilles** – An adjustable stainless steel louvered outlet grille directs airflow 45° up or down and a heavy gauge zinc-plated rear grille protects against accidental contact with the fan blade.

**Stainless Steel Swivel Mounting Bracket** – Supplied as standard with all COMPACT explosion-proof unit heaters. This multi-purpose bracket can be used for either wall or ceiling mounting.

**Built-In Controls** – Include primary and secondary automatic reset overtemperature cutouts, controlling and backup contactors (as required), and a time delay relay which keeps the fan running to cool the heating elements after they have been de-energized.

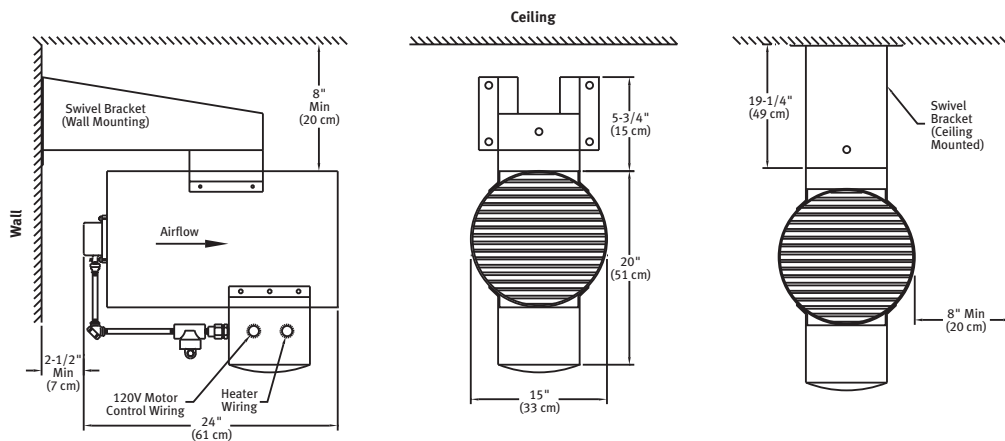
**Fan Motor Assembly** – Consists of a 120-volt/1-phase/60 hertz motor fitted with an aluminum fan blade. The totally enclosed motor is UL Listed for Class I, Group D applications and includes permanently lubricated ball bearings and built-in thermal overload protection. The motor is factory wired into the enclosure to reduce field wiring, but requires a separate 120-volt power supply.

## Custom Options

Code	Option	Description
C	Dirty Duty Corrosion Resistant Construction	Includes epoxy-coated fan blade, wiring conduit and fittings, NEMA 4X, 7, 9 enclosure.
CM	Marine Duty Construction	Dirty Duty construction with manual reset thermal cutout. Meets U.S. Coast Guard requirements per 46CFR-111.87 and is ABS Approved.
M	Manual Reset Cutout	Can be specified to replace secondary automatic cutout.

## Dimensions, Airflows and Weights

KW		3	5	7	10	12
Ignition Temperature Code		T3	T2C	T2	T1	T1
Approximate Air Temperature Rise °F (°C)		9 (5)	15 (8)	22 (12)	31 (17)	37 (21)
Airflow Characteristics	Air Volume CFM (cubic meters/hr)	1050 (1784)	1050 (1784)	1050 (1784)	1050 (1784)	1050 (1784)
	Air Throw Feet (m)	25 (8)	25 (8)	25 (8)	25 (8)	25 (8)
	Outlet Velocity FPM (meters/min)	1140 (348)	1140 (348)	1140 (348)	1140 (348)	1140 (348)
Motor/Fan	RPM	1725	1725	1725	1725	1725
	HP	1/6	1/6	1/6	1/6	1/6
	Fan Blade Dia. Inch (cm)	12 (31)				
Weight	Net Lbs (kgs)	96 (44)				
	Shipping Lbs (kgs)	110 (50)				



Standard Wall and Ceiling Installation with Swivel Mounting Bracket

Remote Room Thermostat – Use catalog number 1007002. See page 95.

# COMPACT UNIT HEATER

## COMPACT Unit Heater Listing

Class I, Divisions 1 and 2, Group D  
Class I, Zones 1 and 2, Group IIA

Ignition Temperature Code °F (°C)	KW	Volts	Phase	Heater Amps (1)	Catalog Number	Availability Code (2) (3)
T3 392 (200)	3	208	1	14.5	236-F01T-0037C	C
		240	1	12.5	236-F01T-0037J	C
		480	1	6.3	236-F01T-0037T	C
		208	3	8.4	236-F01T-0037D	C
		240	3	7.3	236-F01T-0037K	C
		480	3	3.7	236-F01T-0037U	C
		600	3	2.9	236-F01T-0037Z	C
T2C 446 (230)	5	208	1	24.1	236-F01T-0055C	C
		240	1	20.9	236-F01T-0055J	C
		480	1	10.5	236-F01T-0055T	C
		208	3	13.9	236-F01T-0055D	C
		240	3	12.1	236-F01T-0055K	C
		480	3	8.1	236-F01T-0055U	C
		600	3	4.9	236-F01T-0055Z	C
T2 572 (300)	7	208	1	33.7	236-F01T-0072C	C
		240	1	29.2	236-F01T-0072J	C
		480	1	14.6	236-F01T-0072T	C
		208	3	19.5	236-F01T-0072D	C
		240	3	16.9	236-F01T-0072K	C
		480	3	8.5	236-F01T-0072U	C
		600	3	6.8	236-F01T-0072Z	C
T1 842 (450)	10	240	1	41.7	236-F01T-0101J	C
		480	1	20.9	236-F01T-0101T	C
		208	3	27.8	236-F01T-0101D	C
		240	3	24.1	236-F01T-0101K	C
		480	3	12.1	236-F01T-0101U	C
		600	3	9.7	236-F01T-0101Z	C
T1 842 (450)	12	480	1	25.0	236-F01T-0121T	C
		240	3	29.0	236-F01T-0121K	C
		480	3	14.5	236-F01T-0121U	C
		600	3	11.6	236-F01T-0121Z	C



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(1) The amps shown are for the heating elements only. The 120V/1 Ph/60 Hz motor draws 3.8 amps and requires a separate 120V power supply.

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

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