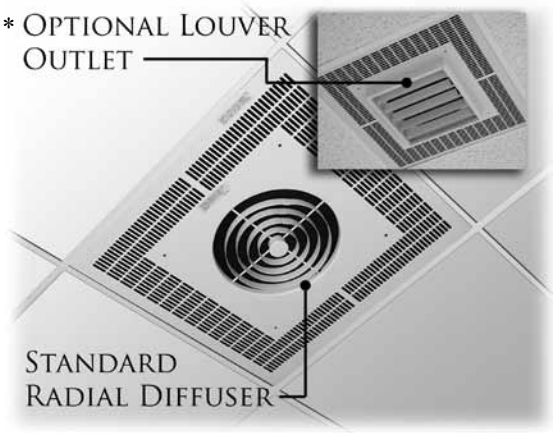


Manufactured in U.S.A.

Notes

Optional controls must be factory installed. Field installation is not acceptable and violates Listing and factory warranty.

Wall mounted control panels may control multiple units but cannot be used if in-built controls are selected.

480V units include 24V transformer and relay as standard (A1) - only TS option control section can be added. Depth dimension of all 480V models is 10-7/8"

Degree F air rise is measured at 710 F.P.M. and 425 CFM. Throw designed for 8 to 12 foot ceilings. db RE 10^{-12} Watt=63.9

Unit Weight: 50 lbs.

Recommended Remote Thermostats:

Line Voltage:	Single Phase 208-240V	ET5DS
	Single Phase 277V	ET5SS
	Three Phase	TW1512
Low Voltage:		UT1001

Product Specifications

Contractor shall supply and install heavy duty ceiling mounted forced air electric heater(s) of the wattage, voltage and phase as indicated on the plans. The heater shall be so designed to provide an even distribution of heated air to the space to be heated by drawing return air in the periphery of the heater, across and through the element and be discharged from the center section of the heater by means of an electric motor and axial flow fan blade.

Heaters shall be recessed type and mounted flush with the finished ceiling. The return grille assembly shall be constructed of a one piece heavy gauge steel with 1/4" slots for return air and concentric rings for uniform air discharge. Grille assembly shall be attached to chassis by tamper-resistant (allen head) machine screws. All parts of enclosure shall be heavy Gauge steel, zinc coated both sides and finished in neutral off white powder coat paint.

Enclosure shall be constructed of 1/6" x 3/8" rounded edge horizontal steel louvers which shall be spaced for maximum opening of 5/16". Louvers shall be welded at every intersection to evenly spaced 1/8" diameter vertical members. Discharge grille to have concentric rings for uniform air discharge. Grille assembly shall be attached to chassis by tamper-resistant (allen head) machine screws. All part of enclosure shall be heavy gauge steel, Zinc coated both sides and finished in neutral off white colored powder coat finish.

Motor shall be permanent lubricated, unit bearing, totally enclosed, impedance protection. Motors shall operate at no more than 1300 RPM and shall be same voltage as the heater.

Heaters shall have a rating of 425 CFM at 710 F.P.M. with a maximum temperature rise of 44°F and 63.9 DB RE 10^{12} Watt.

Element assemblies shall consist of two or three corrosion resistant steel sheathed type elements mechanically bonded to common corrosion resistant steel fins. Each sheathed element shall consist of helically coiled Nickel Chromium alloy resistant wire completely embedded in and surrounded by magnesium oxide, enclosed and wedged into corrosion resistant steel sheaths. Elements shall have 2" cold conductor pins extending into sheath and shall have a density of no more than 60 Watts per inch.

Heaters shall be equipped with a "manual reset" thermal overload which disconnects elements and motor in the event normal operating temperatures are exceeded. For safety, if opened due to abnormal temperature, thermal overload shall remain open until manually reset. Automatic reset thermal overloads which allow the element to continue to cycle under abnormal conditions will not be accepted. Heaters shall be ETL listed.

Features

- White powder coated 20 Gauge grill.
- 208V, 240V, & 277V units have manual reset thermal limit.
- 480V units have manual reset thermal limit, 24V control transformer, and 24V relay (A1 suffix).
- Enclosed steel fin sheath element.
- Rough in dimensions: 23-1/16" sq. x 9-1/8" deep.

Standard Models

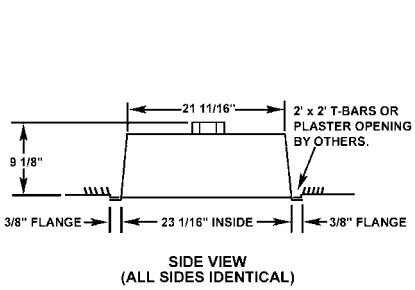
UPC# 686344	MODEL	KW	BTU'S	VOLTS	PH	AMPS	TEMP RISE	LIST
367653	F3482	2	6826	208	1	9.6	15 °F	1334
367677	H3482			240		8.3		
367660	G3482			277		7.2		
318471	P3482A1			480		4.2		1460
470186	J3482	2	6826	208	3	5.6	15 °F	1431
470209	K3482			240		4.8		
470247	Y3482A1			480		2.4		1557
367684	F3483	3	10200	208	1	14.4	22 °F	1350
367707	H3483			240		12.5		
367691	G3483			277		10.8		
318488	P3483A1			480		6.3		1476
470193	J3483	3		208	3	8.3		1448
470216	K3483			240		7.2		
470254	Y3483A1			480		3.6		1573
367714	F3484	4	13600	208	1	19.2	30 °F	1366
367738	H3484			240		16.8		
367721	G3484			277		14.4		
318501	P3484A1			480		8.3		1490
367745	J3484	4		208	3	11.1		1475
367752	K3484			240		9.7		
318587	Y3484A1			480		4.8		1601
367769	F3485	5	17000	208	1	24.1	37 °F	1532
367783	H3485			240		20.8		
367776	G3485			277		18.1		
318549	P3485A1			480		10.4		1665
367790	J3485	5		208	3	13.9		1626
367806	K3485			240		12.1		
318402	Y3485A1			480		6.1		1755
366106	PT3480	Recess Frame - Weight 5 lbs.						142
International Models								
470971	M3482T2i	2	6826	220	1	9.1	15 °F	1334
470988	N3482T2i			240		8.3		
470995	M3483T2i	3	10200	220		13.6	22 °F	1350
471008	N3483T2i			240		12.5		
471015	M3484T2i	4	13600	220		18.2	30 °F	1366
471022	N3484T2i			240		16.7		

*Optional Louver Outlet - $70 Adder

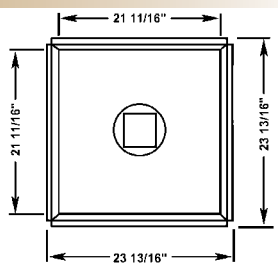
Factory Installed Control Sections

SUFFIX	DESCRIPTION	LIST
A1	Transformer with 24V Secondary and 24V Relay	127
S	Disconnect Switch	158
TA1S	Thermostat / Transformer / Disconnect Switch	371
TA1	Single Pole Thermostat and Transformer with 24V Secondary and 24V Relay	231
A1S	Transformer with 24V Secondary and 24V Relay and Disconnect Switch	287
T2	Double Pole Thermostat	126
T2S	Double Pole Thermostat and Disconnect Switch	281
R	Relay Control Voltage Same as Heater (control voltage field supplied)	78
R1	Relay 24V Control Voltage (control voltage field supplied)	127
R2	Relay 120V Control Voltage (control voltage field supplied)	117
T	Single Pole (480V only)	95
L	Factory installed adjustable louver diffuser option.	91

Product Dimensions



SIDE VIEW
(ALL SIDES IDENTICAL)



TOP VIEW