



TPI
CORPORATION
America's Comfort Conditioning Company

Simple Saver Products Catalog



2024



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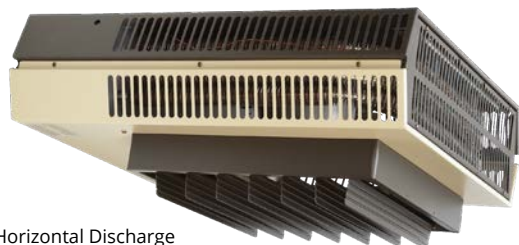
Johnson City, TN

Fan Forced Unit Heaters

5100 Series w/Thermostat and Mounting Bracket



Vertical Discharge



Horizontal Discharge

CONSTRUCTION:

Heavy 18 gauge welded steel cabinet with powder coated finish and control compartment housing a master terminal board with a hinged and latched access door, simplifying wiring, installation & maintenance.

HEATING ELEMENT:

Copper clad steel sheath element with continuously brazed steel fins formed to allow side draw through air flow.

OVERHEAT PROTECTION:

All units come equipped with automatic reset type limit controls to deenergize the heater should an over-temperature situation occur.

FAN & MOTOR:

Totally enclosed, 1-speed, 1-phase, permanently lubricated, thermally protected motors with unit bearings on 5 KW - 20 kW models. Totally enclosed, 2-speed, 1-phase, permanently lubricated, thermally protected motors with sleeve bearings on 30 kW models. Fan over-ride purges unit of residual heat at shutdown.

LOUVER ASSEMBLY:

Louvers are individually adjustable for directional control of air flow up to 15° from straight horizontal. Optional diffusers available for down flow (vertical discharge) applications.

INSTALLATION:

Unit Heaters can be mounted for horizontal or vertical discharge. Applications up to 6000 ft. See UH Series above 6000 ft.

FIELD INSTALLED OPTIONS:

- In-unit or wall mounted temperature control thermostats low or line voltage
- Summer fan switch to operate the fan only
- Power disconnect switch
- Heat stratification thermostat

Taskmaster Dimensions



KW RATING	DIMENSIONS (inches)		
	H	W	D
3.3 - 5.0	17 ¾	14 15/32	6 ½
7.5 - 10.0	24 5/16	21 ½	6 ½
15.0 - 20.0	28 11/16	21 ½	6 ½
25.0 - 50.0	34	29 ¼	10 1/16

WARNING: This product can expose you to chemicals including nickel which is known to the State of California to cause cancer, and chromium, which is known to the State of California to cause birth defects and/or reproductive harm. For more information go to www.P65Warnings.ca.gov.



DETERMINING HEATER REQUIREMENTS

Calculate the heating loads using the NEMA handbook or ASHRAE guide. Then determine the quantity and size of unit heaters to be used. To maintain uniform heat and reduce stratified air, it is recommended that the total CFM of the units turn the air over approximately 3 times per hour. In instances where a large group of people are located and normally in the same area, use a large number of lower KW unit heaters. In warehouse areas or storage rooms where heat distribution and constant temperatures are less important, use fewer heaters of higher capacity.

HORIZONTAL MOUNT

Small rooms can be heated by one unit heater. Where two walls are exposed, heaters should be mounted as shown in Figure A. In larger rooms, units should be located so their air streams wipe exposed walls without blowing at them. Units should be located so that the air stream of one supports that of another thus setting up a circulatory air movement shown in Figure B. (Distance between units to be approximately 1-1/2 times published air throw.) Units should not be mounted horizontally in areas having ceiling heights in excess of 15-18 ft.

VERTICAL MOUNT

Units should be mounted vertically in high bay areas, or where heater location would not interfere with plant operation or traffic. Heaters should be situated to provide free air circulation. Size and selection of units should be based on recommended mounting height. Optional diffusers may best be employed to reduce high air velocity and at the same time disperse heated air in a uniform pattern. When unit heaters are used to combat cold air inrush from opened loading dock doors, one or more units should be arranged to blow warm air across opening (Figure C).

DUAL MOUNTING

Where square footage is large and comfort essential, both horizontal and vertical installations may best serve your requirements as Figure D demonstrates.

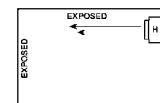


Figure A

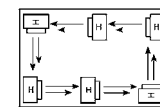


Figure B

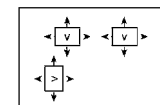


Figure C

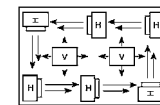
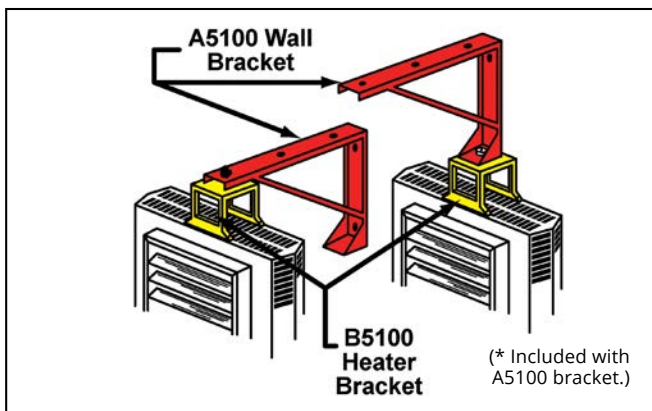


Figure D

Fan Forced Unit Heaters

Mounting Brackets Information



MOUNTING BRACKETS			
MFG CATALOG NUMBER	MFG MODEL NUMBER	MODEL SIZE	WT. (LBS)
06926902	A5105	3.3 KW TO 5.0 KW	9
06927002	A5120	7.5 KW TO 20.0 KW	13
06927102	A5150	25.0 KW TO 50.0 KW	16



Standard Taskmaster Models & Series Notes

MFG CATALOG NUMBER	MFG MODEL NUMBER	KW	BTU/H	VOLTS	PH	AMPS	CONTROL VOLTAGE	TEMP RISE	AIR THROW	CFM	RECOMMENDED MOUNTING HT.		WT. (LBS.)	LIST
											Horizontal	Vertical		
07395702	5105NHF2B	5.0	17.1	240	1 / 3	20.8 / 18.1	240	40°F	12'	400	9'	9'	25	1519
		3.7	12.8	208	1 / 3	17.1 / 10.4	208						27	
07395802	5105CA1NP3P	5.0	17.1	480	3	6.1	24	24	22'	700	10'	12'	25	1892
													27	
07395902	5107CA1LHF2B	7.5	25.6	240	1/3	27.1 / 16.04	24	34°F	22'	700	10'	12'	54	2167
		5.6	19.2	208	1/3	31.3 / 27.1							2306	
07396002	5107CA1NP3P	7.5	25.6	480	3	9.1	24	45°F	22'	700	10'	14'	55	2348
07396102	5110CA1LHF2B	10.0	34.1	240	1/3	41.2 / 24.0							2420	
07396202	5110CA1NP3P	10.0	34.1	480	3	12.4	24	43°F	32'	1100	11'	20'	64	3538
07396302	5115CA1LHF3B	15.0/11.2	51.2 / 38.4	240/208		36.1 / 31.3							3664	
07396402	5115CA1NP3P	15.0	51.2	480	3	18.1	24	57°F	32'	1100	12'	18'	65	4710
07396502	5120CA1NP3P	20.0	68.3	480		24.1							6316	
07396602	5130CA1NP3P	30.0	102.4	480	3	36.2	24	47/53°F	40'	2000/1800	12'	20'	120	6316

Fan Forced Unit Heaters

Recommended Control Options, Control Accessory Options, & Control Accessories

MFG MODEL NUMBER	DISCONNECT SWITCH		THERMOSTAT		SUMMER FAN SWITCH		THERMOSTAT & SUMMER FAN SWITCH WALL MOUNTED	STRATIFICATION THERMOSTAT		
	1 Ø	3 Ø	IN-BUILT	WALL MOUNTED	IN-BUILT	WALL MOUNTED		IN-BUILT	WALL MOUNTED	
5105NHF2B	DCS 403	NA	T5100	ET9STS	FS5101	FSW5111	NA	TC5103	TC1602	
	NA	DCS 403	T5102	TW 1512						
5105CA1NP3P	NA	DCS 403	T5100	RK120EAA	FS5102	FSW5112	TFS5101	TC5102	NA	
5107CA1LHF2B	DCS 403	NA			FS5101	FSW5111		TC5103	TC1602	
	NA	DCS 403								
5107CA1NP3P	NA	DCS 403			FS5102	FSW5112		TC5103	TC1602	
5110CA1LHF2B	DCS 603	NA								FS5101
	NA	DCS 603								
5110CA1NP3P	NA	DCS 403			SDHW1001	FS5102		FSW5112	TC5103	NA
5115CA1LHF3B		DCS 603				FS5101		FSW5111	TC5103	TC1602
5115CA1NP3P		DCS 403				FS5102		FSW5112	TC5103	TC1602
5120CA1NP3P		DCS 403								
5130CA1NP3P		DCS 603	FS5102	FSW5112		TC5103	TC1602			

CONTROL ACCESSORY OPTIONS - FIELD INSTALLED IN HEATER			
MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	LIST
POWER DISCONNECT SWITCH*			
07171502	DCS202 / 5100	20 AMP; 0-16 Amps	143
07171602	DCS403 / 5100	40 AMP; 16.1-32 Amps	270
07171702	DCS603 / 5100	60 AMP; 32.1-48 Amps	378
07171802	DCS1003 / 5100	100 AMP; 48.1-80 Amps	422
*Disconnect must be rated at 80% of total ampload.			
LINE VOLTAGE THERMOSTAT			
06927702	T5100	SPST; PILOT DUTY 25 AMP, 24-277V, (40-110 °F)	200
06927802	T5102	DPST; LINE DUTY 25 AMP 120-277V 25 AMP, 120-277V, (40-120 °F)	270
LOW VOLTAGE THERMOSTAT (ALL CA1 MODELS)			
06927702	T5100	SPST; LOW VOLT/PILOT DUTY; 125VA; (3.3-20 KW UNITS), (40-110 °F)	200
06927902	T5122	2-STAGE; LOW VOLT; 125VA; (25-50 KW UNITS), (40-100 °F)	294
STRATIFICATION THERMOSTAT			
06928002	TC5102	SPST; LOW VOLT/PILOT DUTY (w/relay); 70-130°	306
06928102	TC5103	SPST; LINE DUTY; AMP 120-240V; 70-130°	215
SUMMER FAN SWITCH			
06928202	FS5101	SPST; LINE VOLT ;120-277V	115
06928302	FS5102	SPST; LINE VOLT ; 480-600V	164

CONTROL ACCESSORIES - REMOTE WALL MOUNTED			
MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	LIST
LINE VOLTAGE THERMOSTAT			
05029102	S2025H10AA**	SP; 25 Amp; 120-277V; 50-90°F	83
05238902	ET9STS**	SP; 22 Amp; 120-277V; 50-90°F	42
06910902	TW1512*	DPST; 25 AMP; 120-277V; 50-90°F	316
LOW VOLTAGE THERMOSTATS (ALL CA1 MODELS)			
05260102	RK120EAA	24VAC or MV; 50-90°F	31
07425202	PRO1 T721	24V; 2 STAGE; 44°-90°F	155
STRATIFICATION THERMOSTAT			
06911002	TC1602	SPST; LINE VOLT; 120-277V; 70-140°	340
SUMMER FAN SWITCH			
06926202	FSW5111	SPST; LINE VOLT; 120-277V	143
06926302	FSW5112	SPST; LOW VOLT; (w/relay)	306
324 LOW VOLTAGE THERMOSTAT & SUMMER FAN SWITCH (W/RELAY) (CA1 MODELS)			
06926402	TFS5101	SPST; LOW VOLT; 50-90°	324
06926502	TFS5102	ELECTRONIC; 1 OR 2 STAGE; LOW VOLT; 40° - 90°F	645

* Use DPST double line break thermostat for 3-phase line voltage control in non "C" models.

** Any SPST thermostat of sufficient amperage may be substituted.

Fan Forced Unit Heaters

UHE Series w/Thermostat and Wall Bracket

3.3 kW through 15 kW horizontal discharge suspended fan forced unit heaters available in 1 or 3-phase for all standard voltages from 208V to 480V.



CONSTRUCTION:

Heavy gauge welded steel cabinet with powder coated finish and control compartment with a hinged and latched access door, simplifying wiring installation and maintenance

HEATING ELEMENT:

Circular copper clad steel sheath element with continuously brazed steel fins formed to match the air delivery pattern of the fan blade

OVERHEAT PROTECTION:

All units come equipped with automatic resetting type limit controls to de-energize the heater should an over-temperature situation occur

FAN and MOTOR:

Totally enclosed, single phase, permanently lubricated, thermally protected motors with unit bearings on 3 kW - 10 kW models and sleeve bearings on 12.5 kW - 15 kW models - mounted with rubber insulators to minimize vibration and noise. Fan assembly enclosed by a heavy gauge, close spaced, chrome plated wire guard

LOUVER ASSEMBLY:

Louvers are individually adjustable for directional control of air flow and the entire assembly can be repositioned in the field from down flow to up flow or left / right directional air flow

INSTALLATION:

The UHE series is supplied with a single pole in-built thermostat and a wall/ceiling hanger bracket. UHE heater can be mounted in a vertical position only (see FIGURE 1) with the motor shaft from horizontal to downward at 45° off horizontal. Pre-drilled holes and installed threaded nuts provided to allow hanging by threaded rods - 1/4" for units up to 15 kW.

WARNING: This product can expose you to chemicals including nickel which is known to the State of California to cause cancer, and chromium, which is known to the State of California to cause birth defects and/or reproductive harm. For more information go to www.P65Warnings.ca.gov.

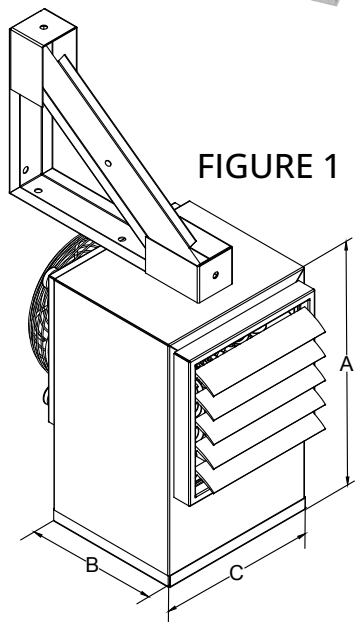


FIGURE 1



UHE Series Product Dimensions

DIMENSIONS	A	B	C
Figure 1: 3.3, 5, 7.5, 10 KW	20"	11"	13"
Figure 1: 12.5, 15 KW	22"	11"	15"
MAXIMUM RECOMMENDED MOUNTING HEIGHT			
3 - 10 KW	9 FT		
12 - 15 KW	10 FT		

NOTE: 3.3 kW through 15 kW units can be mounted using 1/4 threaded rod.

Fan Forced Unit Heaters

UHE Series Standard Products

MFG CATALOG NUMBER	MFG MODEL NUMBER	KW	BTUs	VOLTS	PH	AMPS	CONTROL VOLTS	TEMP RISE °F	AIR THROW	CFM	WT. (LBS)	LIST
07421302	F1FUHE03003T	3.33	11200	208	1	16.3	208	26	26'	400	36	1300
07421702	F3FUHE03C03T	3.33	11200	208	3	9.5	208	26	26'	400	36	1300
07421402	H1HUHE03003T	3.33	11200	240	1	14.2	240	26	26'	400	36	1300
07421602	H3HUHE03C03T	3.33	11200	240	3	8.2	240	26	26'	400	36	1300
07421502	G1GUHE03003T	3.33	11200	277	1	12.3	277	26	26'	400	36	1300
07421802	P3PUHE03CA1T	3.33	11200	480	3	4.1	24	26	26'	400	36	1586
07421902	F1FUHE05003T	5	17100	208	1	24.3	208	40	26'	400	36	1496
07422202	F2FUHE05C03T	5	17100	208	1/3	24/13.9	208	40	26'	400	44	1496
07422002	H1HUHE05003T	5	17100	240	1	21.1	240	40	26'	400	36	1496
07422302	H2HUHE05C03T	5	17100	240	1/3	20.8/12.0	240	40	26'	400	44	1496
07422102	G1GUHE05003T	5	17100	277	1	18.3	277	40	26'	400	36	1496
07422402	P3PUHE05CA1T	5	17100	480	3	6.2	24	40	26'	400	44	1700
07422502	F1FUHE07CA1T	7.5	25600	208	1	36.7	24	42	36'	575	40	1748
07422802	F3FUHE07C03T	7.5	25600	208	3	21.4	208	42	36'	575	44	1748
07422602	H1HUHE07CA1T	7.5	25600	240	1	31.8	24	42	36'	575	41	1748
07422902	H2HUHE07C03T	7.5	25600	240	1/3	31.1/18.0	240	42	36'	575	44	1748
07422702	G1GUHE07CA1T	7.5	25600	277	1	27.6	24	42	36'	575	41	1748
07423002	P3PUHE07CA1T	7.5	25600	480	3	9.3	24	42	36'	575	44	2067
07423102	F1FUHE10CA1T	10	34100	208	1	48.7	24	55	36'	575	42	2106
07423402	F2FUHE10C03T	10	34100	208	1/3	48.0/27.8	208	55	36'	575	42	2106
07423202	H1HUHE10CA1T	10	34100	240	1	42.2	24	55	36'	575	42	2106
07423502	HF2BUHE10C03T	10.0/7.5	34100 / 25600	240/208	1/3	41.7/2 or 36.1/20.8	240/208	55/42	36'	575	45	2106
07423302	G1GUHE10RA1T	10	34100	277	1	36.6	24	55	36'	575	42	2106
07423602	P3PUHE10CA1T	10	34100	480	3	12.3	24	55	36'	575	51	2174
07423702	F1FUHE12C03T	12.5	42600	208	1	60.9	208	49	45'	800	45	3230
07423902	F3FUHE12C03T	12.5	42600	208	3	35.5	208	49	45'	800	45	3230
07423802	H1HUHE12C03T	12.5	42600	240	1	52.8	240	49	45'	800	45	3230
07424002	H3HUHE12C03T	12.5	42600	240	3	30.8	240	49	45'	800	45	3230
07424102	P3PUHE12CA1T	12.5	42600	480	3	15.6	24	49	45'	800	45	3350
07424202	F1FUHE15C03T	15	51200	208	1	72.9	208	59	45'	800	54	3530
07424402	F3FUHE15C03T	15	51200	208	3	42.4	208	59	45'	800	54	3530
07424302	H1HUHE15C03T	15	51200	240	1	63.3	240	59	45'	800	54	3530
07424502	H3HUHE15C03T	15	51200	240	3	36.8	240	59	45'	800	54	3530
07424602	P3PUHE15CA1T	15	51200	480	3	18.6	24	59	45'	800	54	3659

Portable Electric Salamander Heaters

FES Series Heat Wave™

- Heater housing has a safety yellow textured powder coated finish and includes protective black finish guards on both air intake and output openings
- Long-life finned tubular heating elements, high-limit thermal cutout switch with automatic reset
- Control knob allows for fan only operation and thermostat adjustment from 40° to 100° F
- Units feature a built-in rotating stop allowing housing adjustments for up to 90° from center axis
- Includes access panel for direct wiring connections
- 10" industrial heavy duty wheels and handle for easy portability over all surface types.
- **10kW unit include a factory 10' long pre-wired cable and straight blade range plug.**
- **All other models have a 15' cord supplied - plug not included**
- ETL Listed for USA & Canada



WARNING: This product can expose you to chemicals including nickel which is known to the State of California to cause cancer, and chromium, which is known to the State of California to cause birth defects and/or reproductive harm. For more information go to www.P65Warnings.ca.gov.

Application Solutions

- Provides temporary climate control for interior jobsite heating
- Drywall & building contractors – assist in drying applications
- Best indoor electric heating product over propane or fossil fuel units
- Safe operating unit – operate unit overnight to elevate temperature
- Can be operated unattended without anytime wasted for refueling
- Clean, quiet & safe electric fan-forced heater



Sizing FES Models

SIZING CHART PORTABLE ELECTRIC SALAMANDER HEATERS					
KW SIZE	TEMP RISE	VOLTAGE	PHASE	MAX. SQ. FT.*	MAX CEILING HEIGHT
10 kW	30°	240V	1	750 up to 1000	15'
15 kW	45°	208, 240, 480V	1 or 3	1000 up to 1500	15'
30 kW	45°	480, 575V	1	1500 up to 2000	18'

*Based on using one single unit

How To Select the Correct FES Heater

1. Determine your operating voltage and electrical phase for your job site.
2. Calculate the square footage of the area to heat (Length x Width)
3. Measure the maximum ceiling height for your area.
4. Know you must have insulation and at least 10-watts/sq.ft. to effectively heat your area. The higher your ceiling the higher watts/sq.ft. needed.
5. Temperature rise is calculated by taking the room temperature then adding the temp rise (see chart); room temp + temp rise = discharge temp

Portable Electric Salamander Heaters

Standard FES Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	KW	BTUs	VOLTS	PH	AMPS	TEMP RISE	CFM	SO TYPE*	WT. (LBS)	LIST
08660010	FES10241CA	9	30717	240	1	38	25°F	800	**	55	2507
08860182	F15-FES-3A	15	51195	208	3	42	45°F		6/4	65	2979
08860782	H15-FES-1A	15	51195	240	1	63	45°F		4/3	69	2915
08860282	H15-FES-3E	15	51195	240	3	36	45°F		6/4	65	2979
08860382	P15-FES-3E	15	51195	480	3	18	45°F		12/4	65	2734
08860582	P30-FES-3A	30	102390	480	3	36	90°F	1100	6/4	83	4425

** 9kW and 10kW, 240V, 1-phase factory pre-wired model with 10 ft. cable & straight blade range plug

OPTIONAL 15' POWER CORD*

MFG CATALOG NUMBER	MFG MODEL NUMBER	FES MODEL PAIRING	AMP RATING
03164001	SO 6/4	F15-FES-3A H15-FES-3E P30-FES-3A	45
08805300	SO 4/3	H15-FES-1A	70
03164201	SO 12/4	P30-FES-3A	20



Fan Forced Electric Wall Heaters

3310 Series Fan Forced Wall Heater with Surface Frame



- Powder coated 18 gauge steel front
- Automatic reset thermal limit
- Vane axial fan blade: 600 RPM / 175 CFM
- Rough in dimensions:
14 1/8" wide x 19 1/2" high x 4" deep
- Grill dimensions: 16 3/16" Wide x 21" High
- Steel block fin element
- Weight 22 lbs.
- Units with dual wattage, factory wired to highest wattage
- Units includes surface mounting frame
- Wattage selectable at time of installation on some models
- Made in U.S.A.



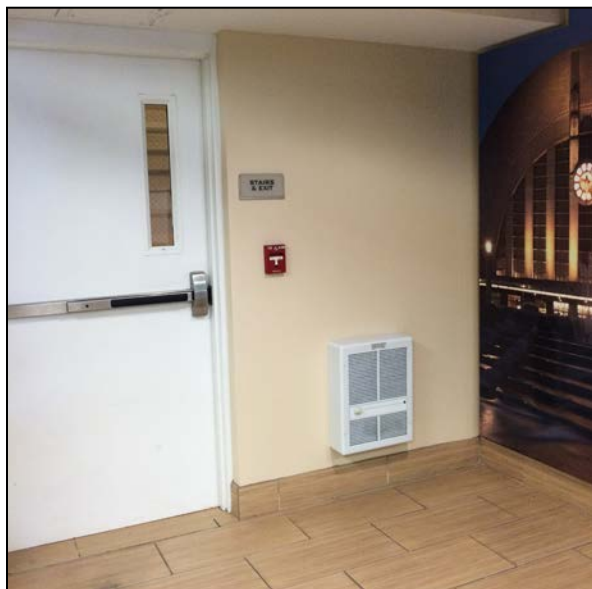
Ideal Applications

Units are ideal for offices, conference rooms, reception areas, hallways, entryways, lobbies, stairwells or other small commercial spaces.

WARNING: This product can expose you to chemicals including nickel which is known to the State of California to cause cancer, and chromium, which is known to the State of California to cause birth defects and/or reproductive harm. For more information go to www.P65Warnings.ca.gov.



Fan Forced Electric Wall Heaters



Standard 3310 Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	WATTS	MAX BTUs	VOLTS	AMPS	LIST
MODELS WITH IN-BUILT DOUBLE POLE THERMOSTAT						
07397202	3313E-T2RPW	1500	5120	120	12.5	883
		07397302	2560		6.25	
07397302	3315H-T2RPW	3000 / 2250	10240	240 / 208	12.5 / 10.8	893
		1500 / 1125	5120		6.2 / 5.4	
07397402	3316HF-T2RPW	4000 / 3000	13648		16.8 / 14.4	894
		2000 / 1500	6826		8.3 / 7.2	
MODELS WITH IN-BUILT SINGLE POLE THERMOSTAT						
04003202	E3313TRPW	1500	5120	120	12.5	870
		750	2560		6.25	
04003002	HF3315TRPW	3000 / 2250	10240	240/208	12.5 / 10.8	880
		1500 / 1125	5120		6.2 / 5.4	
04003102	HF3316TRPW	4000 / 3000	13648		16.8 / 14.4	882
		2000 / 1500	6826		8.3 / 7.2	

3320 Series Fan Forced Wall Heater



Shown with built-in thermostat

- Units have white powder coat finish
- Approved for horizontal mounting - right or left discharge
- Drywall depth embossments on back can
- Powder coated 18-gauge steel front
- Manual reset thermal limit
- Finned tubular steel element
- Weight 6 lbs.
- Propeller style fan blade: 2200 RPM / 70 CFM
- Units include 4" surface mounting frame
- Made in U.S.A.



WARNING: This product can expose you to chemicals including nickel which is known to the State of California to cause cancer, and chromium, which is known to the State of California to cause birth defects and/or reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ideal Applications

Units are ideal for small hard to heat areas; such as bathrooms, vestibule areas, hallways, offices, conference rooms, stairways, etc.

Fan Forced Electric Wall Heaters

Standard 3200 Series Models

MODELS WITH IN-BUILT DOUBLE POLE THERMOSTAT (40° - 110° F TEMPERATURE RANGE)						
MFG CATALOG NUMBER	MFG MODEL NUMBER	WATTS	MAX BTU's	VOLTS	AMPS	LIST
04003302	HF3215T2RPW	1500 / 1125	5120 / 3840	240/208	6.3 / 5.4	466
04003402	HF3220T2RPW	2000 / 1500	6826 / 5120		8.3 / 7.2	
07397602	3222HF-T2RPW	2250 / 1688	7680 / 5762		9.4 / 8.4	
MODELS WITH IN-BUILT SINGLE POLE THERMOSTAT (40° - 110° F TEMPERATURE RANGE)						
04003502	E3275TRPW	750	2560	120	6.25	444
07397502	3215E-TRPW	1500	5120		12.5	

3340 Series Heavy Duty Wall Heater with Surface Frame & Thermostat

- Dual vane axial fan blades
- Lockable disconnect switch
- Automatic purge
- Manual reset thermal limit
- Low voltage control
- Steel block fin elements
- Heavy duty 18 ga. powder coated grille
- Extruded aluminum trim frame, no visible screws
- 4" surface mounting frame included (3340EX32)
- Rough in dimensions 30-1/2 in wide x 19-1/2 in high x 4" deep
- Made in U.S.A.

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Ideal Applications

Units are ideal for hard to heat areas such as bathrooms, vestibule areas, hallways or entryways, offices, hotels, starwells, etc. The 3340 Series is designed for spot, supplement, and even primary comfort heating systems.

Product Specifications

Furnish and install Heavy-Duty Forced Air wall heaters, where specified. The heaters shall be constructed of a heavy 18 gauge steel housing with an extruded Aluminum frame. The rough-in dimensions are 30 1/2" wide x 19 1/2" high x 4" deep.

The units shall be available in ratings of 6000, 8000, & 9600 watts at 208 volt (1 or 3Ø), 240 volt (1 or 3Ø), 277 volt (1Ø), & 480 volt (3Ø). The heaters shall have (2) low-speed 600 RPM, 4-pole motors which drives vane axial blowers to deliver a quiet 350 CFM of down flow air. The two heating elements shall be of the sealed tubular type with large, parallel steel fins for quick heat transfer.

Units shall have as a standard, a manual reset thermal overload cut-off for added safety, fan delay switch, and manual disconnect switch. An optional 24 volt control relay shall be installed for control from Building Management System (BMS). Optional accessory shall include a semi-recess mounting adapter and a 16 gauge Heavy Duty Grille.

All heaters shall be listed by ETL. The heating element shall be supplied with a manufacturer's 1-year limited warranty.



Fan Forced Electric Wall Heaters

Standard 3340 Series Models

3340 MODELS WITH SEMI-RECESSED FRAME & THERMOSTAT									
MFG CATALOG NUMBER	MFG MODEL NUMBER	WATTS	BTUs	VOLTS	PHASE	AMPS	WT. (LBS)	LIST	
07397702	3346FT-B	6000	20478	208	1	30.64	68	3871	
07397802	3346HT-B			240	1	26.6			
07397902	3346JT-B			208	3	18.5			
07398002	3346KT-B			240	3	16.1			
07398102	3346PT-B			480	3	8.0			
07398202	3348GT-B	8000	27304	277	1	30.5		68	4626
07398302	3348JT-B			208	3	24.0			
07398402	3348KT-B			240	3	20.9			
07398502	3348PT-B			480	3	10.5			
07398602	3349JT-B	9600	32765	208	3	28.5			68
07398702	3349KT-B			240	3	24.7			
07398802	3349PT-B			480	3	12.4			

Electric Infrared Heaters

FSP Series Heavy Duty Flat Panel Emitter Electric Portable Infrared Heater

Hand Cart Models

Stand Models



FSP-95

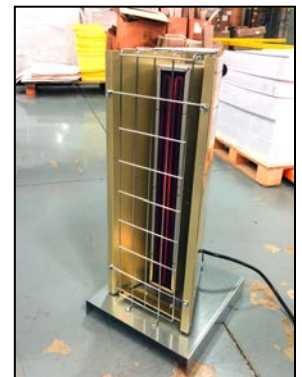
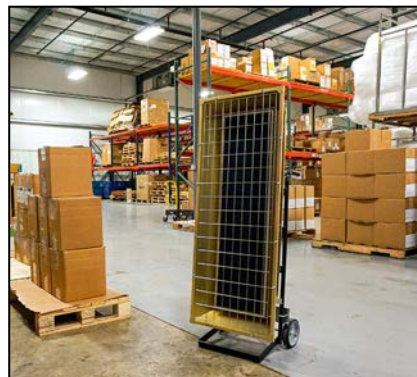
FSP-65

FSP-43

FSP-31

FSP-14

- High density medium wave radiant heat with 60° symmetrical heat pattern.
- 25,000 hour element life expectancy
- Approximately, 78.5% efficient versus 50% for metal sheath type elements.
- Rugged flat panel emitter can be used in high vibration areas
- Single or three phase available on select models
- Heavy duty wire guard mounted on long lasting gold anodized reflector
- **Units supplied with 15 ft. cord, no plug**
- Made in U.S.A.



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Electric Infrared Heaters

Ideal Applications

Indoor and semi-protected outdoor spot heating for workstations, dock areas, material handling environments and maintenance areas, and high-bay industrial and commercial buildings.

KW	NON-PROTECTED AREA		SEMI-PROTECTED AREA		REQUIRED CLEARANCE (from front of heater)
	BELOW 35 °F	ABOVE 35 °F	BELOW 35 °F	ABOVE 35 °F	
1.45	25	36	40	50	3 feet
3.15	64	75	90	125	3 feet
4.3	85	100	120	150	4 feet
9.5	192	225	270	375	7 feet

Standard FSP Models w/SO Cable Kit

MFG CATALOG NUMBER	MFG MODEL NUMBER	WATTS	VOLTS	PHASE	BTUs / Hr.	AMPS		WT. (LBS)	LIST
						1 PH	3 PH		
07398902	H31-FSP-1	3150	240	1	10,749	13.13	N/A	23	1853
07399002	P31-FSP-1	3150	480	1		6.56	N/A		
07399102	H43-FSP-3	4300	240	1 or 3	14,972	17.91	10.36	32	2379
07399202	P43-FSP-3	4300	480	1 or 3		8.96	5.18		
07399302	H95-FSP-3	9500	240	1 or 3	32,414	39.68	22.89	46	3439
07399402	P95-FSP-3	9500	480	1 or 3		19.79	11.44		

FSP REPLACEMENT ELEMENTS		
MFG CATALOG NUMBER	MFG MODEL NUMBER	LIST
01360202	64337-043	1011
01360302	64337-044	
01360402	64337-045	1267
01360502	64337-046	
01360602	64337-047	1336
01360702	64337-048	

Infrared Control Options

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	Operating Voltage (VAC)	Dimensions (In)			WT. (LBS)	LIST
				Ht.	Wd.	Dp.		
04858102	TO-SK-1	Tip-Over Switch	208V - 600V	10.3	10.3	5.0	12	519
05893702	DC-SK-1	Disconnect Switch	120V - 600V	5.0	6.0	4.0	5	464
04860202	GF-SK-1	Ground Fault Sensing Switch	208V - 600V	10.3	10.3	5.0	12	950

Note: All SK-1 Models have NEMA-1 Enclosure, 50-Amp Max. & 1/3-Phase Rated.

Model "TO" & "GF" features include a positive "off" & a built-in on/off rocker switch that glows red during operation.

Additionally, enclosure can mount directly to the terminal box on the back of the heater (FSP-43/95 only) or be mounted to a remote wall surface.



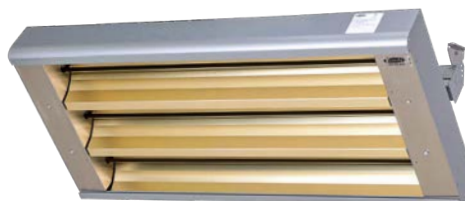
TO-SK-1 or GF-SK-1

THA & THSS Short Wave Overhead Electric Infrared Heaters



- ETL C/US listed for suspended, totally-exposed outdoor and indoor spot comfort heating applications, including snow/ice control.
- Clear quartz lamp heating elements (included), offered in both 2-lamp and 3-lamp heaters that operate on 208, 240, 277, or 480 vol
- Gold anodized one-piece reflector offered in 30°, 60°, or 90° symmetrical patterns for various distribution of infrared heat
- Units supplied VHC-32 control, rated at 15.4 amps
- 6063 extruded aluminum housing, with a painted powder coated nickel gray finish
- Housing is extremely durable and attractively designed for commercial applications
- All 3-lamp heaters wire for either single or three-phase wiring.
- Includes surface mounting brackets & glare reducing sleeves to eliminate 94% of the quartz lamp lumen output
- Made in the U.S.A.

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Electric Infrared Heaters

Ideal Applications

- Outdoor spot heating for hotel and hospital entrance areas, patio & outdoor seating sections at restaurants, bus shelters, airport terminals, etc.
- Indoor spot heating for over workstation areas, vestibule areas, high-bay buildings, process applications for parts, etc.

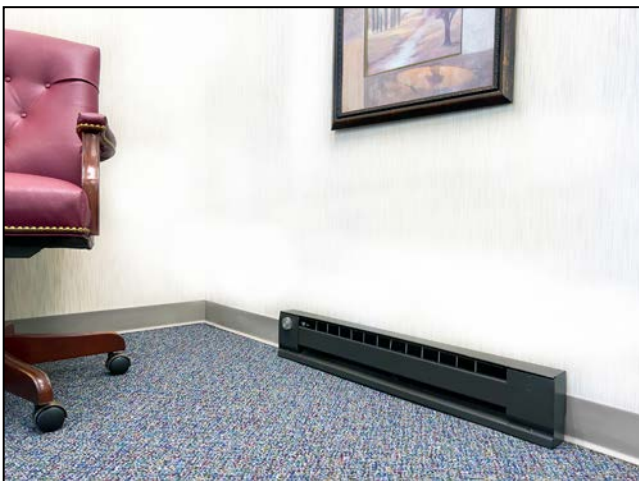


Standard THA & THSS Series Models w/ VHC-32 Control

NICKEL GRAY HOUSING		KW	BTUs	VOLTS	REFLECTOR PATTERN	8 mm DIAMETER REPLACEMENT LAMP	WT. (LBS)	LIST
MFG CATALOG NUMBER	MFG MODEL NUMBER							
07399502	F32-THA-30	4.8	16382	208	30° Symmetrical	04912802	25	2206
07399602	H32-THA-30			240		04912902		
07399702	F32-THA-60			208	60° Symmetrical	04912802		
07399802	H32-THA-60			240		04912902		
STAINLESS STEEL HOUSING		KW	BTUs	VOLTS	REFLECTOR PATTERN	12 mm DIAMETER REPLACEMENT LAMP	WT. (LBS)	LIST
MFG CATALOG NUMBER	MFG MODEL NUMBER							
07399902	F32-THSS-30	3.2	10,922	208	30° Symmetrical	63016209	20	2126
07400002	H32-THSS-30			240		63016249		
07400102	F32-THSS-60			208	60° Symmetrical	63016209		
07400202	H32-THSS-60			240		63016249		

Electric Baseboard Heaters

2900C Series Electric Baseboard Convection Heater



- Bankers bronze with stainless steel heating element and aluminum fins
- Powder coated 22-gauge steel front with 20-gauge junction boxes located on each end of the heater - junction boxes contain quick connect cable clamps and 6" ground lead wires
- Standard inlet and outlet wire guards
- Over-temperature thermal limit extends entire heated length of unit
- A full length wire-way provided along the back of the heater
- Heater can be mounted to the wall by using the key hole knockouts every 4" at the back of the heater
- In-built thermostat installed in the junction box
- Height: 6" Depth: 2 1/2"
- Made in U.S.A.



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Electric Baseboard Heaters

Ideal Applications

The 2900C Series electric baseboard heater is ETL C/US listed for indoor residential, commercial and industrial heating applications.

The 2900C is designed for spaces where additional comfort heating is required, such as offices, bedrooms, hallways and hard to heat areas.



Standard 2900C Models & Thermostat

MFG CATALOG NUMBER	MFG MODEL NUMBER	WATTS	BTUs	VOLTS	AMPS	HEATER LENGTH (IN)	WT. (LBS)	LIST
07400302	2903E-024C	375	1275	120	3.1	24	5	275
07400402	2903H-024C	375 / 281	1275 / 955	240 / 208	1.6 / 1.4			293
07400502	2906E-036C	600	2040	120	5.0	36	7	326
07400602	2906H-036C	600 / 450	2040 / 1530	240 / 208	2.5 / 2.2			344
07400702	2910E-048C	1000	3413	120	8.3	48	10	427
07400802	2910H-048C	1000 / 750	3413 / 2550	240 / 208	4.2 / 3.6			445
07400902	2912E-060C	1250	4250	208	6.0	60	12	496
07401002	2912H-060C	1250 / 938	4250 / 3189	240 / 208	5.2 / 4.5			514

3700 Series Architectural Style Electric Baseboard Convection Heater



- Available in white with stainless steel heating element and aluminum fins
- Powder coated 12 gauge heavy duty extruded Aluminum housing construction with junction boxes located on each end of the unit
- An automatic thermal linear limit is used along the entire heated length of the unit
- Wire guard extends along the entire outlet area of the baseboard
- **Single pole in-built thermostat supplied on 120V models**
- **Double pole in-built thermostat supplied on 240V/208V models**
- Made in the U.S.A.

Ideal Applications

The 3700 Series electric baseboard heater is ETL C/US listed for indoor residential, commercial and industrial heating applications.

The 3700 is designed for spaces where additional comfort heating is required, such as offices, bedrooms, hallways and hard to heat areas.



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Standard 3700 Models + Thermostat

MFG CATALOG NUMBER	MFG MODEL NUMBER	WATTS	BTUs	VOLTS	AMPS	HEATER LENGTH (IN)	WT. (LBS)	LIST
07401102	3703E-024T	375	1275	120	3.1	24	14	559
07401202	3703H-024T2	375 / 281	1275 / 955	240 / 208	1.6 / 1.4			586
07401302	3706E-036T	600	2040	120	5	36	22	689
07401402	3706H-036T2	600 / 450	2040 / 1530	240 / 208	2.5 / 2.2			716
07401502	3710E-048T	1000	3413	120	8.3	48	31	719
07401602	3710H-048T2	1000 / 750	3413 / 2550	240 / 208	4.2 / 3.6			746
07401702	3712E-060T	1250	4250	120	10.4	60	33	909
07401802	3712H-060T2	1250 / 938	4250 / 3189	240 / 208	5.2 / 4.5			936

Hotpod® Supplemental Duct Mounted Heating System

- Used to heat cold rooms or additions without upgrading central system
- Fan only operation for increased cfm output for A/C cycles
- 6" 1000/500 Watt and 8" 1440/720 Watt models available
- Two stage operation
- 120V corded and hard wire models available
- 10' Cord length on corded models
- Zero clearance for all models
- Wireless thermostat included
- Made in U.S.A. with domestic and foreign components
- Patented: Patent No. 8,285,127, 8,625,976, 8,787,738

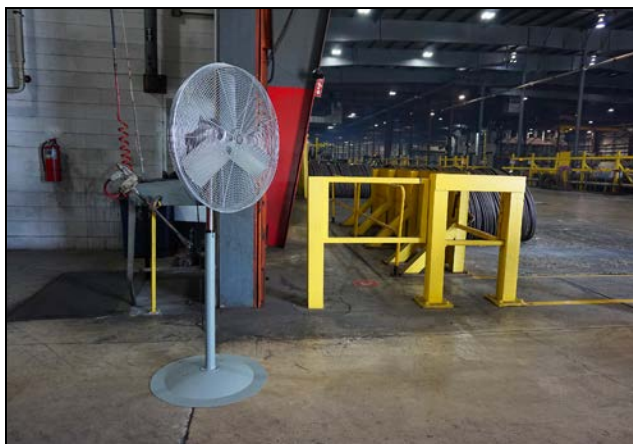


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Inline Duct Heaters w/WiFi Wired Thermostat and Smart Phone App Control

MFG CATALOG NUMBER	MFG MODEL NUMBER	DESCRIPTION	WATTS	VOLTS	MIN.CIRC. SIZE (AMP)	TEMP RISE (F)	WT. (LBS)	RPM	CFM	NEMA PLUG	DIMENSION L x W x H (In.)	LIST
07401902	EHP6-10002CT	6" INLET, WITH CORD SET	1000/500	120	8.33	26	4	1500	130	5-15P	10 ½ x 8 ½ x 6	815
07402002	EHP8-14402CT	8" INLET, WITH CORD SET	1440/720	120	12.6	23	6	1500	210	5-15P	11 x 10 ½ x 8	1003

TPI Industrial Specialty Circulator Heads



- No cord-junction box provided for hard wiring
- Steel hub/spider aluminum paddle blades
- Coated steel guards
- All units shipped with wall mount bracket
- Single speed (except 277V, which is 2-speed)
- Totally enclosed, permanently lubricated, ball-bearing motors
- Meets OSHA standards
- 1-year limited warranty
- Made in U.S.A. with domestic and foreign components

Ideal Applications

TPI Specialty Circulator Heads are constructed with non-corrosive stainless steel and feature totally enclosed motors.

These specialty fan heads are designed to provide quality air flow in a variety of harsh industrial or commercial environments.



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*Listing applies to 277V models only

TPI Industrial Specialty Circulator Heads

Standard Models with Wall Mount Bracket

GENERAL DESCRIPTION	MFG MODEL NUMBER	MFG CATALOG NUMBER	SIZE	CFM*		VELOCITY PROFILE CFM / Area Sq Ft	MOTOR			AMPS (HIGH)					WT. (LBS)	LIST
				HIGH	LOW		HP	RPM	VOLTS	120v 1 ph	240v 1 ph	277v 1 ph	240v 3 ph	480v 3 ph		
Hazardous Location Class I Group D Class II Group F & G Unassembled Head	KPEX3-24SCH	07402102	24"	4300		6000 / 240	1/4	1725	240 or 480 3-phase	---	---	---	1.4	0.7	66	1808
	KPEX3-30SCH	07402202	30"	5400		7200 / 250									69	1968
277 Volt Assembled Head	G24-SCH	07402602	24"	4300	3900	6000 / 240	1/3	1125	277 1-phase	---	---	1	---	---	40	881
	G30-SCH	07402702	30"	5400	4700	7200 / 250									44	930
Wash Down Rated 120V / 240V 1-Phase Assembled Head	EHWD-20SCH	07402302	20"	3200		5200 / 220	1/3	1725	120 or 240 1-phase	4.5	2.2	---	---	---	46	1576
	EHWD-24SCH	07402402	24"	4300		6000 / 240									48	1631
	EHWD-30SCH	07402502	30"	5400		7200 / 250									52	1682

* Measured 2 ft from face of fan

