

3000 Series Midsized Commercial Fan Forced Wall Heater - Multiple Wattage



Approved for
wall or ceiling
installation

Manufactured in U.S.A.



Features

- Wattage selectable at time of installation.
- Models shipped wired to highest wattage.
- Approved for horizontal mounting - right or left discharge.
- Fan purge circuit.
- Disconnect switch.
- Drywall depth embossments on back can.
- 18 Gauge powder coated steel & extruded Aluminum front.
- Manual reset thermal limit.
- Steel block fin element.
- Propeller style fan blade: 1060 RPM motor; 100 CFM.
- Weight 6 lbs.
- Rough in dimensions: 9 1/4" Wide x 12 1/8" High x 3 5/8" Deep.
- Grill dimensions: 10" Wide x 13 1/8" High.

Standard Models

UPC 686334	MODEL	SELECTABLE INSTALLATION WATTAGE	MAX BTU's	VOLTS	MAX AMPS
TAMPERPROOF IN-BUILT DOUBLE POLE THERMOSTAT (50° - 90° TEMPERATURE RANGE)					
996211	E3055T2DWB	750 or 1500	5120	120	12.5
996228	E3058T2DWB	900 or 1800	6143	120	15.0
996259	F3052T2DWB	1000 or 2000	6826	208	8.3
945691	F30522T2DWB	500 or 750 or 1000 or 1250 or 1500 or 1750 or 2250	7680	208	10.8
996280	H3052T2DWB	750 or 1000 - 1500 or 2000	6826	208 / 240	8.3
945721	H30522T2DWB	500 or 750 or 1000 or 1250 or 1500 or 1750 or 2250	7680	240	9.4
996310	G3052T2DWB	2000	6826	277	7.2
TAMPERPROOF IN-BUILT DOUBLE POLE THERMOSTAT (50° - 90° TEMPERATURE RANGE)					
996068	E3055TDWB	750 or 1500	5120	120	12.5
996075	E3058TDWB	900 or 1800	6143	120	15.0
996105	F3052TDWB	1000 or 2000	6826	208	8.3
945639	F30522TDWB	500 or 750 or 1000 or 1250 or 1500 or 1750 or 2250	7680	208	10.8
996136	H3052TDWB	750 or 1000 - 1500 or 2000	6826	208 / 240	8.3
945660	H30522TDWB	500 or 750 or 1000 or 1250 or 1500 or 1750 or 2250	7680	240	9.4
996167	G3052TDWB	2000	6826	277	7.2

Accessories

UPC 686334	MODEL	DESCRIPTION
996945	305EX8	1" EXTENDER
996938	305EX16	2" EXTENDER
996921	305EX32	4" SURFACE MOUNT FRAME

Markel Products Company

3320 Series Commercial Fan Forced Wall Heater



Manufactured in U.S.A.

Features

- Disconnect switch.
- Automatic fan delay circuit.
- Powder coated 18 Gauge steel grill with extruded Aluminum front frame.
- Automatic reset thermal limit.
- Steel block fin element.
- Vane axial fan blade:
600 RPM motor; 175 CFM
- Rough-in dimensions:
14-3/16" Wide x 19-15/16" High x 4" Deep
- Grill dimensions:
15-29/32" Wide x 20-27/32" High
- Built-In tamperproof thermostat.



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 19-5/16" High x 14-3/16" Wide x 4" Deep. The units shall be available in ratings from 750 to 4800 Watts at 240, 208, and 277 Volts. The heaters shall have a low-speed 600 RPM, 4-pole motor which drives a vane axial blower to deliver a quiet 175 CFM of down flow air. The heating element shall be of the sealed tubular type with large, parallel steel fins for quick heat transfer. Unit shall have as a standard, a thermal overload cut-off for added safety, fan delay switch and built-in tamperproof thermostat which shall be calibrated to provide a range of 55°F. to 85°F. and manual disconnect switch.

Optional accessories shall include a surface and semi-recess mounting adapter. All heaters shall be listed by ETL. The heating element shall be supplied with a manufactures 1-year limited warranty.

Standard Models

UPC#	MODEL	WATTS	BTU's	VOLTS	AMPS	WT. LBS.
686334	IN-BUILT SINGLE POLE TAMPERPROOF THERMOSTAT (50° - 90° TEMPERATURE RANGE) FOR DOUBLE POLE THERMOSTAT REPLACE "TT" IN MODEL NUMBER WITH "T2"					
382052	E3321TD-RP	750	2560	120	6.25	26
381994	E3322TD-RP	1000	3413		8.3	
380881	E3323TD-RP	1500	5120		12.5	
380935	F3326TD-RP	4000	13800	208	19.2	29
381024	F3327TD-RP	4800	16560		23	
380942	HF3323TD-RP	1500 / 1125	5120 / 3840	240 / 208	6.2 / 5.4	27
380959	HF3324TD-RP	2000 / 1500	6284 / 5120		8.3 / 7.2	
380966	HF3325TD-RP	3000 / 2250	10350 / 7763		12.5 / 10.8	
380973	HF3326TD-RP	4000 / 3000	13800 / 10350	240	16.7 / 14.4	29
381031	H3327TD-RP	4800	16560		20	
380980	G3323TD-RP	1500	5120	277	4.1	26
380997	G3324TD-RP	2000	6284		7.2	27
381000	G3325TD-RP	3000	10350		10.8	29
381017	G3326TD-RP	4000	13800		14.4	
381048	G3327TD-RP	4800	16560		17.3	

Accessories

UPC	MODEL	DESCRIPTION	TYPE	WT. lbs.
686334				
377850	BOX 3310	Additional Rough-in Box	Field Installed	3
378451	3320EX33	4" Surface Mounting Frame		1
382939	3320EX16	2" semi recess extender		1
-----	Suffix - HD	16 Gauge Steel Heavy Duty Grill	Factory Installed	2

4400 Series Low Profile Commercial Fan Forced Wall Heater - With Wall Box

- Powder coated 20 Gauge steel front with extruded Aluminum frame.
- Manual reset thermal limit.
- Finned tubular steel element.
- Propeller style fan blade - 2200 RPM/70 CFM
- Weight 9 lbs.
- Rough in dimensions:
14 1/2" Wide x 7 1/8" High x 3 1/2" Deep
- Grill dimensions: 16 7/8" Wide x 8" High
- Unit not approved for ceiling mount applications.
- Unit can be positioned to allow left, right or top discharge.



Manufactured in U.S.A.



Standard Models

UPC 686334	MODEL	VOLTS	WATTS	MAX BTU'S	AMPS
DOUBLE POLE IN-BUILT THERMOSTAT (RANGE 50° - 90° F)					
328326	F4420T2RP	208	2000	6826	9.6
328333	HF4475T2RP	240/208	750 / 562	2560 / 1920	3.1 / 2.7
328340	HF4410T2RP		1000 / 750	3413 / 2560	4.2 / 3.6
328357	HF4415T2RP		1500 / 1125	5120 / 3840	6.3 / 5.4
328364	HF4420T2RP		2000 / 1500	6826 / 5120	8.3 / 7.2
SINGLE POLE IN-BUILT THERMOSTAT (RANGE 50° - 90° F)					
328371	E4475TRP	120	750	2560	6.25
328388	E4410TRP		1000	3413	8.33
328395	E4415TRP		1500	5120	12.5
328401	F4420TRP	208	2000	6826	9.6

Accessories

UPC	MODEL	DESCRIPTION	WT. LBS.
686334			
329910	4400EX8	1" SEMI RECESSING EXTENDER	2
329903	4400EX16	2" SEMI RECESSING EXTENDER	3
329897	4400EX32	4" SURFACE MOUNTING FRAME	4
328449	4300PB	WALL PLATE ADAPTOR (OD 21.5"x12.25")	1

Markel Products Company

3420 & 3450 Series Heavy-Duty Fan Forced Wall Heaters



Manufactured in U.S.A.

Features

- Powder coated bar stock steel tamperproof grille, with extruded Aluminum frame and 16 Gauge housing.
- In-Built double pole tamperproof thermostat with a 50°-90°F temperature range & positive off; 3 phase heaters have 3 pole thermostat for positive off position.
- Manual reset thermal limit switch.
- Corrosion resistant steel tubular element with brazed steel fins.
- Permanently lubricated, unit bearing, shaded pole motor with impedance protection.
- Propeller type fan blade:
1400 RPM motor; 245 CFM
- Factory installed options:
 - contactors (3420 & 3450 series)
 - circuit breakers (3450 series)
 - control transformers (3450 series)

Standard Models

HEATER		WALL BOX		WATTS	BTU's	VOLTS	PH	AMPS	WT.
UPC 686334	MODEL	UPC 686334	MODEL						
SERIES 3420 - ROUGH-IN DIMENSIONS: 19-3/8" H x 14-1/4" W x 4-1/4" D GRILL DIMENSIONS: 21-15/32" H x 17-7/16" W									
691130	F3422T	691574	Box 3420	2000	6826	208	1	9.6	41 lbs.
691192	H3422T					240		8.3	
691178	G3422T					277		7.2	
384629	J3422T			2000	6826	208	3	5.6	
384634	K3422T					240		4.8	
691239	F3423T			3000	10239	208	1	14.4	
691314	H3423T					240		12.5	
691277	G3423T					277		10.8	
384636	J3423T			3000	10239	208	3	8.3	
384650	K3423T					240		7.3	
691338	F3424T			4000	13652	208	1	19.2	
691383	H3424T					240		16.7	
691369	G3424T					277		14.4	
691406	J3424T					208	3	11.1	
691413	K3424T					240		9.6	
691437	F3425T			5000	17065	208	1	24	
691512	H3425T					240		20.8	
691482	G3425T					277		18.1	
691536	J3425T					208	3	13.9	
691567	K3425T					240		12.0	

HEATER		WALL BOX		WATTS	BTU's	VOLTS	PH	AMPS	WT.
UPC 686334	MODEL	UPC 686334	MODEL						
SERIES 3450 - ROUGH-IN DIMENSIONS: 23-1/16" H x 14-1/4" W x 4-1/4" D GRILL DIMENSIONS: 25-1/32" H x 17-7/16" W									
691611	F3452T	691918	Box 3450	2000	6826	208	1	9.6	55 lbs.
691680	H3452T					240		8.3	
312295	G3452T					277		7.2	
384667	J3452T			2000	6826	208	3	5.6	
384681	K3452T					240		4.8	
687683	F3453T			3000	10239	208	1	14.4	
691772	H3453T					240		12.5	
312288	G3453T					277		10.8	
384674	J3453T			3000	10239	208	3	8.3	
384698	K3453T					240		7.3	
691789	F3454T			4000	13652	208	1	19.2	
691819	H3454T					240		16.7	
311991	G3454T					277		14.4	
691857	J3454T					208	3	11.1	
316651	K3454T					240		9.6	
312981	F3455T			5000	17065	208	1	10.4	
312134	H3455T					240		20.8	
312387	G3455T					277		18.1	
691901	J3455T					208	3	13.9	
313070	K3455T					240		12.0	

3420 & 3450 Series Heavy-Duty Fan Forced Wall Heaters

Product Specifications

Contractor shall supply and install heavy duty wall mounted forced air electric heaters of the wattage, voltage and phase as specified. The heater shall so be designed to provide an even distribution of heated air to the space to be heated by drawing return air in the peripheral area of the heater across and through the element which shall then 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 to extend no more than 1-1/2" from the finished wall or surface mounted to extend no more than 5 3/4" from the finished wall or semi-recessed type to extend no more than 3 1/2" from finished wall or semi-recessed type to extend no more than 2 1/2" from finished wall.

ENCLOSURE:

Heater front shall withstand 10.8 ft. lbs. (324 pounds) impact and 400 lbs. static force applied to an 8 sq. in. area at center grille location with less than 1/16" permanent distortion. The combination return and supply grille assembly shall be constructed of 1/16" x 3/8" rounded edge horizontal steel louvers which shall be spaced for maximum opening of 1/4". Louvers shall be welded at every intersection to three evenly spaced 1/16" diameter vertical members and completely framed in a heavy gauge natural anodized Aluminum extrusion. Front assembly shall be attached to the chassis by hidden tamper-resistant (Allen-head) machine screws. All other parts shall be 16 Gauge steel Zinc coated, both sides finished in a high gloss or bronze colored baked powder coat finish.

MOTOR:

Motor shall be a permanently lubricated unit bearing, totally enclosed shaded pole type with impedance protection. Motors shall operate at no more than 1400 RPM and shall be same voltage as the heater. A protective shield shall surround the motor to separate return air from heated air.

PERFORMANCE:

Heaters shall have a rating of 245 CFM at 660 F.P.M. with a maximum temperature rise of 73°F.

ELEMENTS:

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 the sheath and shall have a density of no more than 60 Watts per inch.

THERMAL OVERLOAD:

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.

APPROVAL:

Heaters shall be ETL Listed.

OPTIONAL CONTROL SYSTEMS:

Heaters shall be operated from wall-mounted, line voltage, heavy-duty (tamper-proof) thermostats. Heaters with built-in, pre-wired contactors shall be operated from wall-mounted, line voltage, pilot duty (tamper-proof) thermostats. Heaters built with, pre-wired contactors (and control transformers) shall be operated from wall-mounted, pilot duty (24V) or (120V) wall-mounted tamper-proof thermostats. Heaters shall be controlled by integrally mounted thermostats. Thermostats shall be heavy-duty, hydraulic type with a range of 40°F to 80°F and with remote sensing bulb placed in the return air. Thermostats shall be electrically rated at least 125% of heater rating. Thermostats

3420 & 3450 Series Heavy-Duty Fan Forced Wall Heaters

Product Specifications

shall be heavy-duty, hydraulic type with a range of 40°F to 80°F and with remote sensing bulb placed in the return air. Thermostats shall be electrically rated at least 125% of heater rating. Thermostats shall also act as a disconnect by breaking all ungrounded conductors in the OFF position. (Thermostat control knob shall be covered by a 16 Gauge tamper-proof access plate to prevent adjustment by unauthorized personnel.)

CONTACTORS:

Where required, heaters shall be equipped with heavy-duty, definite purpose contactors with flame path separators and dust covers. Contactors shall cycle all ungrounded conductors. Contactors shall have holding coils (of the same voltage as the heater) or (120 Volts) or (24 Volts).

CONTROL TRANSFORMERS:

Heater shall be equipped with a Class 2 control transformer, sealed rating of 20 VA, to supply control circuits of (24 Volts) or (120 Volts). (120 Volt secondaries not available in single phase heaters over 3 KW).

CIRCUIT BREAKERS (3450 Series Only):

Heaters shall be equipped with built-in circuit breakers in order to allow the heaters to be supplied from feeder taps. A separate switch providing a positive off for control circuits shall be included where required. Circuit breakers and control switches shall be arranged so that all line side conductors will be separately enclosed when heater front is removed for servicing so that no current carrying parts are accessible without the use of additional tools.

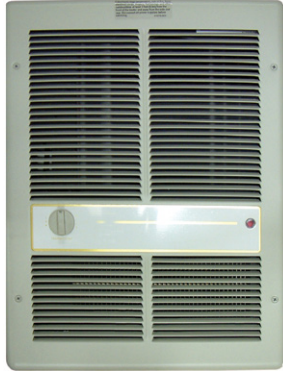
Field Installed Accessories

Units with transformer must have a contactor. A control transformer with 120V secondary is available on all 3-phase models, 208V/240V 1-phase units up to 3KW, and up to 4 KW on 277V. All heaters must be installed with a wall box.

MODEL	DESCRIPTION	SERIES OPTIONS	
		3420	3450
Suffix - R	Contactor with Coil same as heater	YES	YES
Suffix - R1	Contactor with 24V Coil	YES	YES
Suffix - R2	Contactor with 120V Coil	YES	YES
Suffix - C	Circuit Breakers - all models	NO	YES
Suffix - A1	Control Transformers With 24V Secondary	NO	YES
Suffix - A2	Control Transformers With 120V Secondary	NO	YES

UPC# 686334	MODEL	DESCRIPTION	WT.
691949	3450EX34	4" Surface Mounting Sleeve	6 lb.
691932	3450EX16	2" Semi-Recessing Sleeve	4 lb.
691925	3450EX8	1" Semi-Recessing Sleeve	4 lb.
691604	3420EX34	4" Surface Mounting Sleeve	5 lb.
691598	3420EX16	2" Semi-Recessing Sleeve	4 lb.
691581	3420EX8	1" Semi-Recessing Sleeve	3 lb.

3310 Series Fan Forced Wall Heater - Without Summer Fan Switch



Features

- Powder coated 18 Gauge steel front.
- Automatic reset thermal limit.
- Steel block fin element.
- Weight 22 lbs.
- Vane axial fan blade: 600 RPM / 175 CFM.
- Rough in dimensions: 14 3/16" Wide x 19 15/16" High x 4" Deep.
- Grill dimensions: 15 3/8" Wide x 20 9/64" High.
- Units with dual wattage, factory wired to highest wattage.
- Wattage selectable at time of installation on some models.



Manufactured in U.S.A.

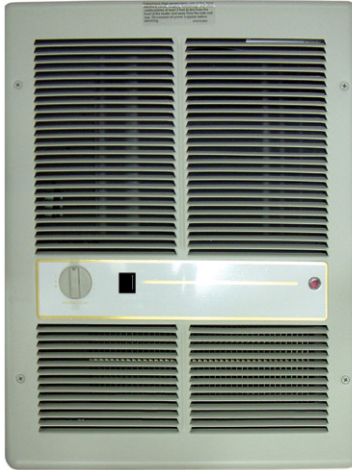
Standard Models

MODELS WITH IN-BUILT DOUBLE POLE THERMOSTAT (50° - 90° F TEMPERATURE RANGE)							
IVORY		WHITE		WATTS	MAX BTU's	VOLTS	AMPS
UPC 686334	IVORY MODEL	UPC 686334	WHITE MODEL				
326346	E3312T2RP	326483	E3312T2RPW	1000	3413	120	8.3
326353	E3313T2RP	326490	E3313T2RPW	1500	5120		12.5
				750	2560		6.25
326360	F3316T2RP	326506	F3316T2RPW	4000	13648	208	19.2
326377	F3317T2RP	326513	F3317T2RPW	4800	16380		23
326407	HF3315T2RP	326544	HF3315T2RPW	3000 / 2250	10240	240 / 208	12.5 / 10.8
				1500 / 1125	5120		6.2 / 5.4
326414	HF3316T2RP	326551	HF3316T2RPW	4000 / 3000	13648		16.8 / 14.4
				2000 / 1500	6826		8.3 / 7.2
326421	H3317T2RP	326568	H3317T2RPW	4800	16380	240	20.0
326438	G3314T2RP	326575	G3314T2RPW	2000	6826	277	7.2
326445	G3315T2RP	326582	G3315T2RPW	3000	10240		10.8
326452	G3316T2RP	326599	G3316T2RPW	4000	13648		14.4
326469	G3317T2RP	326605	G3317T2RPW	4800	16380		17.3

MODELS WITH IN-BUILT SINGLE POLE THERMOSTAT (50° - 90° F TEMPERATURE RANGE)							
382526	E3312TRP	382618	E3312TRPW	1000	3413	120	8.3
380652	E3313TRP	384162	E3313TRPW	1500	5120		12.5
				750	2560		6.25
379946	F3316TRP	384186	F3316TRPW	4000	13648	208	19.2
380300	F3317TRP	384193	F3317TRPW	4800	16380		23
380560	HF3315TRP	382229	HF3315TRPW	3000 / 2250	10240	240 / 208	12.5 / 10.8
				1500 / 1125	5120		6.2 / 5.4
379984	HF3316TRP	382236	HF3316TRPW	4000 / 3000	13648		16.8 / 14.4
				2000 / 1500	6826		8.3 / 7.2
380317	H3317TRP	382243	H3317TRPW	4800	16380	240	20.0
329873	G3314TRP	384261	G3314TRPW	2000	6826	277	7.2
328494	G3315TRP	328517	G3315TRPW	3000	10240		10.8
328500	G3316TRP	328524	G3316TRPW	4000	13648		14.4
379179	G3317TRP	384292	G3317TRPW	4800	16380		17.3

MODELS WITHOUT AN IN-BUILT THERMOSTAT							
326629	E3312RP	326766	E3312RPW	1000	3413	120	8.3
326636	E3313RP	326773	E3313RPW	1500	5120		12.5
				750	2560		6.25
328531	F3316RP	326780	F3316RPW	4000	13648	208	19.2
326650	F3317RP	326797	F3317RPW	4800	16380		23
326681	HF3315RP	326827	HF3315RPW	3000 / 2250	10240	240 / 208	12.5 / 10.8
				1500 / 1125	5120		6.2 / 5.4
326698	HF3316RP	326834	HF3316RPW	4000 / 3000	13648		16.8 / 14.4
				2000 / 1500	6826		8.3 / 7.2
326704	H3317RP	326841	H3317RPW	4800	16380	240	20.0
326711	G3314RP	326858	G3314RPW	2000	6826	277	7.2
326728	G3315RP	326865	G3315RPW	3000	10240		10.8
326735	G3316RP	326872	G3316RPW	4000	13648		14.4
326742	G3317RP	326889	G3317RPW	4800	16380		17.3

3310 Series Fan Forced Wall Heater - With Summer Fan Switch



Features

- Powder coated 18 Gauge steel front.
- Automatic reset thermal limit.
- Steel block fin element.
- Weight 22 lbs.
- Vane axial fan blade: 600 RPM / 175 CFM.
- Grill dimensions: 15 3/8" Wide x 20 9/64" High.
- Rough in dimensions: 14 3/16" Wide x 19 15/16" High x 4" Deep.
- Units with dual wattage, factory wired to highest wattage.
- Wattage selectable at time of installation on some models.



Manufactured in U.S.A.

Product Specifications

Typical Specifications: Furnish and install Electric Forced Air Heaters where specified. The heaters shall be constructed of a heavy gauge steel housing. The rough-in dimensions are 14-3/16" Wide x 19-5/16" High x 4" Deep. The finish shall be powder coated paint in ivory or white color. The units shall be available in ratings from 750 through 4800 Watts. The heaters shall have a low speed 600 RPM motor which drives a vane axial blower to deliver a quiet 175 CFM of down flow air. The heating element shall be of the sealed block fin type with large, parallel steel fins for quick heat transfer. Unit shall have a standard thermal overload cutoff for added safety, a fan switch for fan only operation, and is available with a single pole, or double pole built-in thermostat, or no thermostat. The in-built thermostat shall be calibrated to provide a range of 50 degrees F. to 90 degrees F. All heaters shall be listed by ETL. The heating element shall be supplied with a manufacturer's 1 year limited warranty.

Standard Models

MODELS WITH IN-BUILT DOUBLE POLE THERMOSTAT (50° - 90°F TEMPERATURE RANGE)							
IVORY		WHITE		WATTS	MAX BTU's	VOLTS	AMPS
UPC 686334	IVORY	UPC 686334	WHITE				
326063	E3312T2SRP	326209	E3312T2SRPW	1000	3413	120	8.3
326070	E3313T2SRP	326216	E3313T2SRPW	1500	5120		12.5
				750	2560		6.25
326087	F3316T2SRP	326223	F3316T2SRPW	4000	13648	208	19.2
326094	F3317T2SRP	326230	F3317T2SRPW	4800	16380		23
326124	HF3315T2SRP	326261	HF3315T2SRPW	3000 / 2250	10240	240 / 208	12.5 / 10.8
				1500 / 1125	5120		6.2 / 5.4
326131	HF3316T2SRP	326278	HF3316T2SRPW	4000 / 3000	13648		16.8 / 14.4
				2000 / 1500	6826		8.3 / 7.2
326148	H3317T2SRP	326285	H3317T2SRPW	4800	16380	240	20.0
326155	G3314T2SRP	326292	G3314T2SRPW	2000	6826	277	7.2
326162	G3315T2SRP	326308	G3315T2SRPW	3000	10240		10.8
326179	G3316T2SRP	326315	G3316T2SRPW	4000	13648		14.4
326186	G3317T2SRP	326322	G3317T2SRPW	4800	16380		17.3

MODELS WITH IN-BUILT SINGLE POLE THERMOSTAT (50° - 90°F TEMPERATURE RANGE)							
382571	E3312TSRP	382595	E3312TSRPW	1000	3413	120	8.3
379618	E3313TSRP	384018	E3313TSRPW	1500	5120		12.5
				750	2560		6.25
377713	F3316TSRP	384025	F3316TSRPW	4000	13648	208	19.2
377782	F3317TSRP	384032	F3317TSRPW	4800	16380		23
377607	HF3315TSRP	384070	HF3315TSRPW	3000 / 2250	10240	240 / 208	12.5 / 10.8
				1500 / 1125	5120		6.2 / 5.4
377690	HF3316TSRP	384087	HF3316TSRPW	4000 / 3000	13648		16.8 / 14.4
				2000 / 1500	6826		8.3 / 7.2
377768	H3317TSRP	384094	H3317TSRPW	4800	16380	240	20.0
377553	G3314TSRP	384117	G3314TSRPW	2000	6826	277	7.2
377645	G3315TSRP	384124	G3315TSRPW	3000	10240		10.8
377737	G3316TSRP	384131	G3316TSRPW	4000	13648		14.4
377805	G3317TSRP	384148	G3317TSRPW	4800	16380		17.3

Accessories - All Models

IVORY		WHITE		DESCRIPTION	ACCESSORY TYPE
UPC 686334	MODEL	UPC 686334	MODEL		
377850	BOX3310	377850	BOX3310	ADDITIONAL BACK CAN	Field Installed
329958	3310EX33R	329965	3310EX33WR	SURFACE MOUNTING FRAME	
SUFFIX D				DISCONNECT SWITCH	Factory Installed

Markel Products Company

3200 Series Midsized Fan Forced Wall Heater - With Wall Box



SHOWN WITH BUILT-IN THERMOSTAT

Features

- 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.
- Optional field installed In-Built thermostat.
- Rough in dimensions: 9-1/4" Wide, 12-1/8" High, 3-5/8" Deep.
- Grill dimensions: 9-25/32" Wide, 13" High.



Manufactured in U.S.A.

"TWO WIRE INSTALLATION"

Standard Models

UPC 686334	MODEL	VOLTS	WATTS	MAX BTU'S	AMPS
BUILT-IN DOUBLE POLE (POSITIVE OFF) THERMOSTAT 50° - 90° F RANGE					
383462	F3220T2RPW	208	2000	6826	9.6
383479	H3275T2RPW	240	750	2560	3.1
383486	HF3210T2RPW	240/208	1000 / 750	3413 / 2560	4.2 / 3.6
383493	HF3215T2RPW		1500 / 1125	5120 / 3840	6.3 / 5.4
383509	HF3220T2RPW		2000 / 1500	6826 / 5120	8.3 / 7.2
383516	HF3222T2RPW		2250 / 1688	7680 / 5762	9.4 / 8.1
BUILT-IN SINGLE POLE (POSITIVE OFF) THERMOSTAT 50° - 90° F RANGE					
383523	E3275TRPW	120	750	2560	6.25
383530	E3210TRPW		1000	3413	8.33
383547	E3215TRPW		1500	5120	12.5
NO BUILT-IN THERMOSTAT					
383554	E3275RPW	120	750	2560	6.25
383561	E3210RPW		1000	3413	8.33
383578	E3215RPW		1500	5120	12.5
383585	F3220RPW	208	2000	6826	9.6
383592	H3275RPW	240	750	2560	3.1
383608	HF3210RPW	240/208	1000 / 750	3413 / 2560	4.2 / 3.6
383615	HF3215RPW		1500 / 1125	5120 / 3840	6.3 / 5.4
383622	HF3220RPW		2000 / 1500	6826 / 5120	8.3 / 7.2
383639	HF3222RPW		2250 / 1688	7680 / 5762	9.4 / 8.1

Accessories

FIELD INSTALLED COMPONENTS		
UPC 686334	MODEL	DESCRIPTION
383646	32T1	Single Pole thermostat with positive off for 120V units 50° - 90° F
383653	32T2	Double Pole thermostat with positive off for 240/208V units 50° - 90° F

SURFACE MOUNTED EXTENDERS & FRAMES		
WHITE		DESCRIPTION
UPC 686334	MODEL	
996976	303EX8RW	1" EXTENDER
996969	303EX16RW	2" EXTENDER
996952	303EX32RW	4" SURFACE MOUNT FRAME

3200 Series Midsized Fan Forced Wall Heater - Without Wall Box



SHOWN WITH BUILT-IN THERMOSTAT

Features

- 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.
- Optional field installed In-Built thermostat available.
- Rough in dimensions: 9-1/4" Wide, 12-1/8" High, 3-5/8" Deep.
- Grill dimensions: 9-25/32" Wide, 13" High.



Manufactured in U.S.A.

"TWO WIRE INSTALLATION"

Standard Models

UPC 686334	MODEL	VOLTS	WATTS	MAX BTU'S	AMPS
BUILT-IN DOUBLE POLE (POSITIVE OFF) THERMOSTAT 50° - 90° F RANGE					
383738	F3220T2W	208	2000	6826	9.6
383745	H3275T2W	240	750	2560	3.1
383752	HF3210T2W	240/208	1000 / 750	3413 / 2560	4.2 / 3.6
383769	HF3215T2W		1500 / 1125	5120 / 3840	6.3 / 5.4
383776	HF3220T2W		2000 / 1500	6826 / 5120	8.3 / 7.2
383783	HF3222T2W		2250 / 1688	7680 / 5762	9.4 / 8.1
BUILT-IN SINGLE POLE (POSITIVE OFF) THERMOSTAT 50° - 90° F RANGE					
383790	E3275TW	120	750	2560	6.25
383806	E3210TW		1000	3413	8.33
383813	E3215TW		1500	5120	12.5
NO BUILT-IN THERMOSTAT					
383820	E3275W	120	750	2560	6.25
383837	E3210W		1000	3413	8.33
383844	E3215W		1500	5120	12.5
383851	F3220W	208	2000	6826	9.6
383868	H3275W	240	750	2560	3.1
383875	HF3210W	240/208	1000 / 750	3413 / 2560	4.2 / 3.6
383882	HF3215W		1500 / 1125	5120 / 3840	6.3 / 5.4
383899	HF3220W		2000 / 1500	6826 / 5120	8.3 / 7.2
383905	HF3222W		2250 / 1688	7680 / 5762	9.4 / 8.1

Accessories

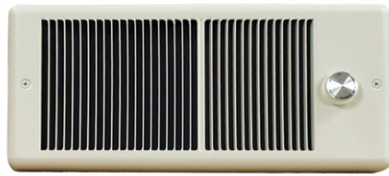
FIELD INSTALLED COMPONENTS		
UPC 686334	MODEL	DESCRIPTION
383646	32T1	Single Pole thermostat with positive off for 120V units 50° - 90° F
383653	32T2	Double Pole thermostat with positive off for 240/208V units 50° - 90° F

SURFACE MOUNTED EXTENDERS & FRAMES		
WHITE		DESCRIPTION
UPC 686334	MODEL	
996976	303EX8RW	1" EXTENDER
996969	303EX16RW	2" EXTENDER
996952	303EX32RW	4" SURFACE MOUNT FRAME

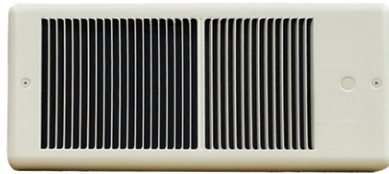
WALL BOXES		
UPC 686334	MODEL	QUANTITY
996808	30WB	1
996792	30WB-5	5

Markel Products Company

4300 Series Low Profile Fan Forced Wall Heater - With Wall Box



WITH IN-BUILT THERMOSTAT



WITHOUT IN-BUILT THERMOSTAT

Features

- Available in ivory or white.
- Powder coated 20 Gauge steel front.
- Manual reset thermal limit.
- Finned tubular steel element.
- Weight 9 lbs.
- Propeller style fan blade - 2200 RPM / 70 CFM
- Rough in dimensions: 14 1/2" Wide, 7 1/8" High, 3 1/2" Deep
- Grill dimensions: 16 3/4" Wide, 7 5/8" High
- Unit not approved for ceiling mount applications.
- Unit can be positioned to allow left, right or top discharge.



Manufactured in U.S.A.

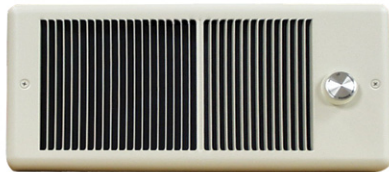
Standard Models

IVORY		WHITE		VOLTS	WATTS	MAX BTU's	AMPS
UPC 686334	MODEL	UPC 686334	MODEL				
DOUBLE POLE IN-BUILT THERMOSTAT (RANGE 50° - 90°F)							
327695	F4320T2RP	327749	F4320T2RPW	208	2000	6826	9.6
327701	HF4375T2RP	327756	HF4375T2RPW	240/208	750 / 562	2560 / 1920	3.1 / 2.7
327718	HF4310T2RP	327763	HF4310T2RPW		1000 / 750	3413 / 2560	4.2 / 3.6
327725	HF4315T2RP	327770	HF4315T2RPW		1500 / 1125	5120 / 3840	6.3 / 5.4
327732	HF4320T2RP	327787	HF4320T2RPW		2000 / 1500	6826 / 5120	8.3 / 7.2
SINGLE POLE INBUILT THERMOSTAT (RANGE 50° - 90°F)							
327794	E4375TRP	327879	E4375TRPW	120	750	2560	6.25
327800	E4310TRP	327886	E4310TRPW		1000	3413	8.33
327817	E4315TRP	327893	E4315TRPW		1500	5120	12.5
327824	F4320TRP	327909	F4320TRPW	208	2000	6826	9.6
327831	HF4375TRP	327916	HF4375TRPW	240/208	750 / 562	2560 / 1920	3.1 / 2.7
327848	HF4310TRP	327923	HF4310TRPW		1000 / 750	3413 / 2560	4.2 / 3.6
327855	HF4315TRP	327930	HF4315TRPW		1500 / 1125	5120 / 3840	6.3 / 5.4
327862	HF4320TRP	327947	HF4320TRPW		2000 / 1500	6826 / 5120	8.3 / 7.2
NO IN-BUILT THERMOSTAT							
327954	E4375RP	328036	E4375RPW	120	750	2560	6.25
327961	E4310RP	328043	E4310RPW		1000	3413	8.33
327978	E4315RP	328050	E4315RPW		1500	5120	12.5
327985	F4320RP	328067	F4320RPW	208	2000	6826	9.6
327992	HF4375RP	328074	HF4375RPW	240/208	750 / 562	2560 / 1920	3.1 / 2.7
328005	HF4310RP	328081	HF4310RPW		1000 / 750	3413 / 2560	4.2 / 3.6
328012	HF4315RP	328098	HF4315RPW		1500 / 1125	5120 / 3840	6.3 / 5.4
328029	HF4320RP	328104	HF4320RPW		2000 / 1500	6826 / 5120	8.3 / 7.2

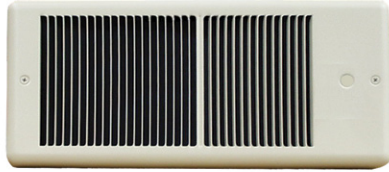
Accessories

UPC 686334	IVORY MODEL	UPC 686334	WHITE MODEL	ACCESSORY OPTIONS	WT. LBS.
327657	4300EX8	328456	4300EX8W	1" SEMI RECESSING EXTENDER	2
327664	4300EX16	328463	4300EX16W	2" SEMI RECESSING EXTENDER	3
327671	4300EX32	328470	4300EX32W	4" SURFACE MOUNTING FRAME	4
327688	4300P	328487	4300PW	WALL PLATE ADAPTOR (OD 21.5" x 12.25")	1
FIELD INSTALLED THERMOSTATS		329774	43T	SINGLE POLE THERMOSTAT 50° - 90° F	1
		329781	43T2	DOUBLE POLE THERMOSTAT 50° - 90° F	1

4300 Series Low Profile Fan Forced Wall Heater - No Wall Box



WITH IN-BUILT THERMOSTAT



WITHOUT IN-BUILT THERMOSTAT

Features

- Available in ivory or white.
- Powder coated 20 Gauge steel front.
- Manual reset thermal limit.
- Finned tubular steel element.
- Weight 9 lbs.
- Propeller style fan blade - 2200 RPM / 70 CFM
- Rough in dimensions: 14 1/2" Wide, 7 1/8" High, 3 1/2" Deep
- Grill dimensions: 16 3/4" Wide, 7 5/8" High
- Unit not approved for ceiling mount applications.
- Unit can be positioned to allow left, right or top discharge.



Manufactured in U.S.A.

Standard Models

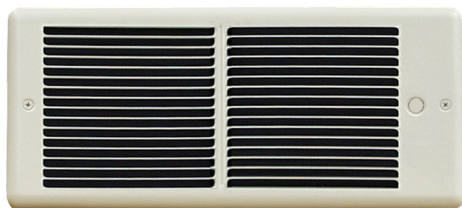
IVORY		WHITE		VOLTS	WATTS	MAX BTU's	AMPS
UPC 686334	MODEL	UPC 686334	MODEL				
DOUBLE POLE IN-BUILT THERMOSTAT (RANGE 50° - 90°F)							
327213	F4320T2	327268	F4320T2W	208	2000	6826	9.6
327220	HF4375T2	327275	HF4375T2W	240/208	750 / 562	2560 / 1920	3.1 / 2.7
327237	HF4310T2	327282	HF4310T2W		1000 / 750	3413 / 2560	4.2 / 3.6
327244	HF4315T2	327299	HF4315T2W		1500 / 1125	5120 / 3840	6.3 / 5.4
327251	HF4320T2	327305	HF4320T2W		2000 / 1500	6826 / 5120	8.3 / 7.2
SINGLE POLE INBUILT THERMOSTAT (RANGE 50° - 90°F)							
327312	E4375T	327398	E4375TW	120	750	2560	6.25
327329	E4310T	327404	E4310TW		1000	3413	8.33
327336	E4315T	327411	E4315TW		1500	5120	12.5
327343	F4320T	327428	F4320TW	208	2000	6826	9.6
327350	HF4375T	327435	HF4375TW	240/208	750 / 562	2560 / 1920	3.1 / 2.7
327367	HF4310T	327442	HF4310TW		1000 / 750	3413 / 2560	4.2 / 3.6
327374	HF4315T	327459	HF4315TW		1500 / 1125	5120 / 3840	6.3 / 5.4
327381	HF4320T	327466	HF4320TW		2000 / 1500	6826 / 5120	8.3 / 7.2
NO IN-BUILT THERMOSTAT							
327473	E4375	327558	E4375W	120	750	2560	6.25
327480	E4310	327565	E4310W		1000	3413	8.33
327497	E4315	327572	E4315W		1500	5120	12.5
327503	F4320	327589	F4320W	208	2000	6826	9.6
327510	HF4375	327596	HF4375W	240/208	750 / 562	2560 / 1920	3.1 / 2.7
327527	HF4310	327602	HF4310W		1000 / 750	3413 / 2560	4.2 / 3.6
327534	HF4315	327619	HF4315W		1500 / 1125	5120 / 3840	6.3 / 5.4
327541	HF4320	327626	HF4320W		2000 / 1500	6826 / 5120	8.3 / 7.2

Accessories

UPC 686334	MODEL	ACCESSORY OPTIONS	WT. LBS.
327633	BOX 4300	WALL BOX for 4200 / 4300 / 4400 / 4800 SERIES HEATERS	5
327640	BOX 4300-5 PACK	5 WALL BOXES for 4200 / 4300 / 4400 / 4800 SERIES HEATERS	25

UPC 686334	IVORY MODEL	UPC 686334	WHITE MODEL	ACCESSORY OPTIONS	WT. LBS.
327657	4300EX8	328456	4300EX8W	1" SEMI RECESSING EXTENDER	2
327664	4300EX16	328463	4300EX16W	2" SEMI RECESSING EXTENDER	3
327671	4300EX32	328470	4300EX32W	4" SURFACE MOUNTING FRAME	4
327688	4300P	328487	4300PW	WALL PLATE ADAPTOR (OD 21.5" x 12.25")	1
FIELD INSTALLED THERMOSTATS		329774	43T	SINGLE POLE THERMOSTAT 50° - 90° F	1
		329781	43T2	DOUBLE POLE THERMOSTAT 50° - 90° F	1

4800 Series Register Style Fan Forced Wall Heater - With Wall Box



Manufactured in U.S.A.

Features

- Units have white powder coat finish.
- Powder coated 20 Gauge steel front.
- Manual reset thermal limit.
- Finned tubular steel element.
- Propeller style fan blade - 2200 RPM / 70 CFM.
- Weight 9 lbs.
- Rough in dimensions: 14 1/2" Wide x 7 1/8" High x 3 1/2" Deep.
- Grill dimensions: 16 3/4" Wide x 7 5/8" High.
- Unit not approved for ceiling mount applications.
- Left discharge only.

Standard Models

UPC 686334	MODEL	VOLTS	WATTS	MAX BTU'S	AMPS
DOUBLE POLE IN-BUILT THERMOSTAT (50° - 90° F TEMPERATURE RANGE)					
328159	F4820T2RPW	208	2000	6826	9.6
328166	HF4875T2RPW	240/208	750 / 562	2560 / 1920	3.1 / 2.7
328173	HF4810T2RPW		1000 / 750	3413 / 2560	4.2 / 3.6
328180	HF4815T2RPW		1500 / 1125	5120 / 3840	6.3 / 5.4
328197	HF4820T2RPW		2000 / 1500	6826 / 5120	8.3 / 7.2
SINGLE POLE IN-BUILT THERMOSTAT (50° - 90° F TEMPERATURE RANGE)					
328203	E4875TRPW	120	750	2560	6.25
328210	E4810TRPW		1000	3413	8.33
328227	E4815TRPW		1500	5120	12.5
328234	F4820TRPW	208	2000	6826	9.6
NO IN-BUILT THERMOSTAT					
328241	E4875RPW	120	750	2560	6.25
328258	E4810RPW		1000	3413	8.33
328265	E4815RPW		1500	5120	12.5
328272	F4820RPW	208	2000	6826	9.6
328289	HF4875RPW	240/208	750 / 562	2560 / 1920	3.1 / 2.7
328296	HF4810RPW		1000 / 750	3413 / 2560	4.2 / 3.6
328302	HF4815RPW		1500 / 1125	5120 / 3840	6.3 / 5.4
328319	HF4820RPW		2000 / 1500	6826 / 5120	8.3 / 7.2

Accessories

UPC# 686334	MODEL	DESCRIPTION	WT. LBS.
328456	4300EX8W	1" SEMI RECESSING EXTENDER	2
328463	4300EX16W	2" SEMI RECESSING EXTENDER	3
328470	4300EX32W	4" SURFACE MOUNTING FRAME	4
328487	4300PW	WALL PLATE ADAPTOR (OD 21.5" x 12.25")	1
329774	43T	SINGLE POLE THERMOSTAT 50° - 90° F	1
329798	48T2	DOUBLE POLE THERMOSTAT 50° - 90° F	1

Markel Products Company