



- ☒ NO EXCEPTIONS TAKEN
- ☐ MAKE CORRECTIONS NOTED
- ☐ AMEND & RE-SUBMIT

- ☐ SUBMIT SPECIFIED ITEM
- ☐ REJECTED-SEE REMARKS
- ☐ SEE COMMENTS BELOW

CHECKING IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. ANY ACTION SHOWN IS SUBJECT TO THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE, FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATION OF THE WORK WITH THAT OF OTHER TRADES AND THE SATISFACTORY PERFORMANCE OF THE WORK.

Stephen P. Doel
SIGNATURE

8/14/13
REVIEW DATE

Project: Marriott Hotel - Portland, Maine

Submittal: Markel Electric Wall Heaters

Comments: NONE

Project Name: Marriott Courtyard
 321 commercial Street
 Portland, Maine 04101

Architect:

Contractor: Opechee Construction Corporation
 11 Corporate Drive
 Belmont, NH 03220

Subcontractor: Warren Mechanical, Inc.
 P.O. Box 149
 Westbrook, Maine 04098-0149

Supplier: John C. Hare & Company
 P.O. Box 2377
 South Portland, Maine 04116

Manufacturer: Markel

Section: 230000/2.18 Electric Wall Heaters

Contractor Review

Architect's Review

John C. Hare & Company

1230 Shore Rd
Cape Elizabeth, ME 04107
Phone: 207-799-4851
Fax: 207-799-7184

PO Box 2377
South Portland, ME 04116

Submittal

Project:

Courtyard by Marriott
Portland, ME

Installer:

Warren Mechanical

Products/ Mfr.

Markel Electric Wall Heater

Date:

Aug 7, 2013

Delivery Information: 3-4 Weeks

3320 Series Architectural Fan Forced Electric Wall Heater

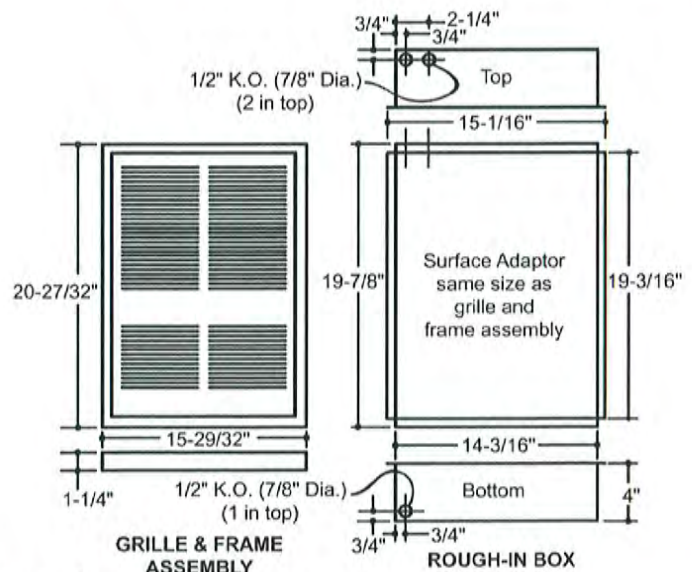
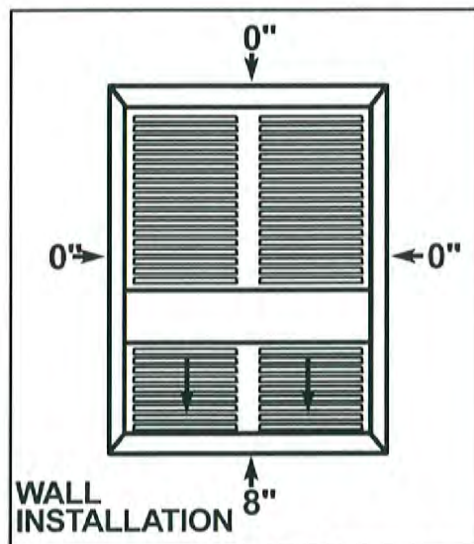
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SUBMITTAL DATA, 3320 SERIES

[Print Form](#)

AGENT	PROJECT	ENGINEER	DATE
	Courtyard Marriott		8/7/2013

TAG	EWB-1				
QTY.	5				
MODEL	HF3325TD-RP				
WATTS	1500				
VOLTS SINGLE PHASE	208/1				
ACCESSORIES	Wall Thermostat				
NOTES					



Markel Products Company

3320 Series Architectural Fan Forced Electric Wall Heater



FEATURES:

- Disconnect switch.
- Automatic fan delay circuit.
- Built-In tamperproof thermostat.
- 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

TYPICAL SPECIFICATION:

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.

Markel Products Company

3320 Series Commercial Fan Forced Wall Heater

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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



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

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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.
IN-BUILT SINGLE POLE TAMPERPROOF THERMOSTAT (50° - 90° TEMPERATURE RANGE) FOR DOUBLE POLE THERMOSTAT REPLACE "T" 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	26
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		4.1	
380997	G3324TD-RP	2000	6284	277	7.2	26
381000	G3325TD-RP	3000	10350		10.8	27
381017	G3326TD-RP	4000	13800		14.4	29
381048	G3327TD-RP	4800	16560		17.3	
International Models						
396424	M3324TD-RPi	3360/1680	11468/5734	220	15.3/7.64	27
396437	M3325TD-RPi	4032/2016	13761/6881		18.3/9.16	

Accessories

UPC	MODEL	DESCRIPTION	TYPE	WT. lbs.
686334				
377850	BOX 3310	Additional Rough-in Box		3
378451	3320EX33	4" Surface Mounting Frame	Field Installed	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



Manufactured in U.S.A.



- 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.

Standard Models

UPC	MODEL	VOLTS	WATTS	MAX BTU'S	AMPS
686334					
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