City of Portland, Mai	ne - Buil	lding or Use	Permi	t Application	Permit No:	Issue Date:		CBL:		
389 Congress Street, 041		_						041 A	017001	
Location of Construction:		Owner Name:			Owner Address:			Phone:		
254 COMMERCIAL ST		WATERFRO	NT MA	INE	14 MAINE ST					
Business Name:		Contractor Name			Contractor Address:	 -		Phone		
		Johnson & Jor	dan		18 Mussey Road	Scarborough	1	2078838	345	
Lessee/Buyer's Name		Phone:		T	Permit Type:				Zone:	
-					HVAC				WIE	
Past Use:		Proposed Use:			Permit Fee:	Cost of Worl	k: (CEO District:	 	
Commercial		Commercial -	install	reznor	\$60.00	\$3,18	1	1		
	UDAP60 on the				Approved	INSPEC	TION:			
						_ **	Use Gro		Type:	
					L	Denied		. 0	_	
								WAR	C	
Proposed Project Description:					-			7/10/	1	
install reznor UDAP60 on	the 2nd flo	oor			Signature:	(Signature	. 3/	~/	
mount reznor objet oo on	the Zha h	001			PEDESTRIAN ACT	7. 1.			X	
					Action: Appro	ved App	roved w/C	Conditions	Denled	
					Signature:		I	Date:		
Permit Taken By:	Date A	pplied For:	Ι			g Approva				
ldobson		3/2008			Zoning	.1				
			Spe	cial Zone or Revie	ws Zoning Appeal Variance			Historic Pre	servation	
				1 4				Not in District or Landma		
Applicant(s) from meeting applicable State and Federal Rules.				noreland						
2. Building permits do no septic or electrical wor		plumbing,		etland etland	Miscell	Miscellaneous			equire Review	
3. Building permits are v within six (6) months of			☐ FI	ood Zone	☐ Conditional Use ☐ Interpretation			Requires Re	view	
False information may permit and stop all wo	invalidate		☐ St	ubdivision				Approved		
		-	☐ Si	te Plan	Approv	ed		Approved w	//Conditions	
PERMIT ISS	UED		Maj	Minor MM	Denied			Denied	$\overline{}$	
	1		0		> ,				\prec	
1 1 1:01 - 7	1	1	Date:	10/2901	Date:		Dat	te:		
	1	1						/	•	
		, 1								
CITY OF POS	RTLANL									
GITTO										
				CERTIFICATI						
I hereby certify that I am the										
I have been authorized by the jurisdiction. In addition, if										
shall have the authority to e										
such permit.	411 410	and to releately st	-on pen	at any 104501	more from to enfor	or and provi	01 (•••••(0) 4	Priodoio to	
•										
										
SIGNATURE OF APPLICANT				ADDRES	5	DATE		PHO	ONE	
RESPONSIBLE PERSON IN CH	ARGE OF W	ORK TITLE				DATE		PHO	ONE	



APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

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To the INSPECTOR OF BUILDINGS, PORTLAND, ME.	CHY OF POLICE
The undersigned hereby applies for a permit to insta	all the following heating, cooking or power equipment in
accordance with the Laws of Maine, the Building Code of the	
Location / CBL Combolind Storage Postland	ercialst.
Name and address of owner of appliance Water tout	7 ' /
14 MAINE ST/SviTe # 4/0 Bry	uswick ME 04'011
Installer's name and address Johnson + Jord 18 MUSSey of Scalewood ME. 040	ad The
18 MUSSey od Scalbarough ME. 040	Telephone 201-285-8345
I and an afternoon	
Location of appliance: Basement Basement Basement	Type of Chimney:
	☐ Masonry Lined
☐ Attic ☐ Roof	Factory built
The of Frale	D 14.1
Type of Fuel:	☐ Metal
Gas □ Oil □ Solid	Factory Built U.L. Listing #
Appliance Name: ACZUON UDAP 60	FI D' (V)
U.L. Approved A Yes No 60,000 BTV infut	Direct Vent
U.L. Approved at les a no get of the transfer	Type Jim UL#
Will appliance be installed in accordance with the manufacture's	Type of Fuel Tank
installation instructions? A Yes No	Oil
instantion instanctions.	
IF NO Explain:	Gas 007 2 € 220
II ItO Explain.	
	Size of Tank
The Type of License of Installer:	Number of Tanks
☐ Master Plumber #	Number of Tanks
□ Solid Fuel #	Distance from Tank to Center of Flame feet.
□ Oil #	Distance from Tank to Center of Flame feet.
Q Gas # PNT 1241	Cost of Work: \$ 3 /82.00
□ Other	Permit Fee: \$ 50.00
	remit ree: 3 go 100
Amazza	Annual with Conditions
<u>Approved</u>	Approved with Conditions
Fire:	☐ See attached letter or requirement
Ele.:	
Bldg.:	Inspector's Signature Date Approved
S	
Signature of Installer	

White - Inspection

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy

City of Portland, M	Iaine - Buil	ding or Use Permit			Permit No:	Date Applied For:	CBL:			
389 Congress Street, 0	Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716 Owner Name: COMMERCIAL ST WATERFRONT MAINE Ses Name: Contractor Name: Johnson & Jordan Phone: Permit Type: HVAC Seed Use: Innercial - install reznor UDAP60 on the 2nd floor Proposed Project Description: install reznor UDAP60 on the 2nd floor Reviewer: Marge Schmuckal Approval Date: 10/28/2 Ok to Issue: pt: Building Status: Approved with Conditions Reviewer: Tammy Munson Approval Date: 11/07/2		A017001							
Location of Construction:		Owner Name:			Owner Address:		Phone			
254 COMMERCIAL S	T	WATERFRONT MAI	NE		14 MAINE ST					
Business Name:	_	Contractor Name:		(Contractor Address:		Phone			
		Johnson & Jordan			18 Mussey Road S	Scarborough	(207)	883-8345		
Lessee/Buyer's Name		Phone:		i	Permit Type:		•			
				L	HVAC					
Proposed Use:				Proposed	l Project Description:					
Commercial - install re	znor UDAP60	on the 2nd floor		install	reznor UDAP60 o	on the 2nd floor				
Dept: Zoning Note:	Status: A	pproved	Re	viewer:	Marge Schmuck	al Approval D		10/28/2008 Issue: ✓		
Dept: Building Note:	Status: A	pproved with Condition	s Re	viewer:	Tammy Munson	Approval D		11/07/2008 Issue: ✓		
	•	-	d by an a	approved	d firestop system in	nstalled in accordance	e with	ASTM 814		
2) The installation mu	st comply with	the State of Maine Gas	Regulat	ions.				•		
Dept: Fire Note:	Status: A	pproved with Condition	s Re	viewer:	Capt Greg Cass	Approval D		10/28/2008 Issue: ✓		

1) Install shall comply with all manufactures specifications

REZNOR **Model UDAP**

Power Vented, Low Static Axial Fan Unit Heaters for Residential and Commercial/Industrial Use **Sizes 30-125**

approved for utility applications such as residential garages under CSA International Requirement

10.96 - U.S. and CR96-0005 - Canada







CSA 2 6b







DESCRIPTION

Reznor® V3 Series Model UDAP gas-fired unit heaters are available in 14 sizes ranging from 30,000 to 400,000 BTUH gas input. Sizes 30-125 are approved for residential application. All sizes are approved for commercial/ industrial installations. Model UDAP heaters are designed for 82-83% thermal efficiency and are approved for installation in the United States and Canada by the Canadian Standards Association (CSA).

Reznor V3 Series unit heaters have a refreshing new appearance with a glossy white cabinet finish and less visible hardware. Each size cabinet is easily suspended from either 2 or 4 suspension points. Or, an optional hanger kit for Sizes 30-125 allows for ceiling mounting. The low voltage terminal strip on the outside of the cabinet makes connecting control wiring easy with no panels to remove. The addition of a "G" terminal to the strip, along with the new design of the circuit board, allows for fan only operation (without adding relays). All units have a factory installed gas line nipple to the exterior of the cabinet for easy gas service connection.

The preeminent new internal feature is the TCORE2 ® heat exchanger and single burner combustion system. Other standard features include a single-stage gas valve, multi-try direct spark ignition with 100% lockout, pressure switch to verify vent flow, resiliently isolated venter motor, venter wheel with improved housing, resiliently isolated axial fan and motor assembly, and a high temperature limit control. Sizes 30-125 also include a flame rollout safety switch. Operation is controlled through an integrated circuit board. The circuit board monitors heater operation and has LED diagnostic indicator lights to identify abnormalities in control functions.

The V3 Series unit heaters are designed to provide all the features you expect in a Reznor heater plus improved efficiency, easier installation, and a new look ~ both inside and out. Look for the unique white unit with no visible front and bottom hardware, deep red louvers, black side handle, and angled corner to know you have a genuine Reznor unit by Thomas & Betts.

STANDARD FEATURES

- Sizes 30-125 certified for residential heating application
- Sizes 30-400 certified for commercial/industrial heating application
- 82-83% Thermal efficient ~ TOP in its class!
- 50-60°F Rise range
- TCORE^{2 ®} titanium stabilized aluminized steel heat exchanger
- Patented** Tcore2® single burner combustion system including a one-piece burner assembly
- 115/1/60 Supply voltage
- 115 Volt open fan motor with internal overload protection
- Transformer for 24-volt controls
- Integrated circuit board with diagnostic indicator lights
- Multi-try direct spark ignition with 100% lockout
- Fan relay (included on the circuit board)
- Single-stage natural gas valve (field adjustable for operation to 9,000 ft. elevation)
- Vibration/noise isolated fan and venter motors ~ designed for low noise operation
- 2-pt and 4-pt Suspension ~ standard on all sizes
- External terminal strip for 24-volt wiring
- External gas connection
- Full fan guard ~ engineered for safety
- Improved cabinet design with less visible hardware and a NEW Reznor appearance
- Single-stage, propane gas valve (field adjustable for operation to 9,000 ft. elevation) Two-stage natural gas or propane gas valve - Sizes 60-400
- 409 or 316 Stainless steel heat exchangers 208 or 230 Single phase voltage
- Totally enclosed fan motor (Sizes 30-250, 115V only)
- Common venting with other gravity vented Category I appliance(s) (Sizes 30-100)

OPTIONAL FEATURES -

FACTORY INSTALLED

[&]quot; U.S. Patent No. 6,889,686

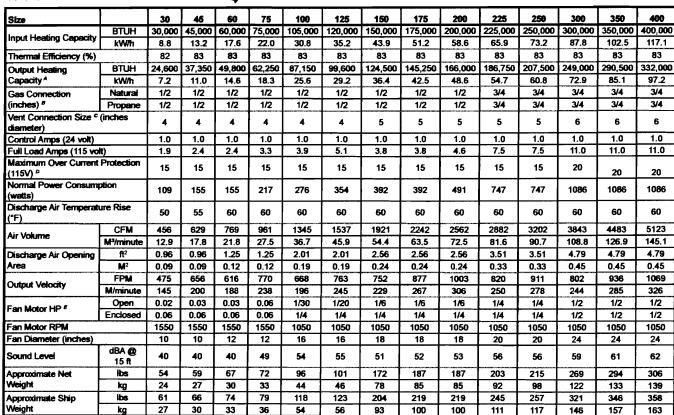
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OPTIONAL FEATURES -FIELD INSTALLED

- Vent cap
- Thermostat
- Thermostat guard with locking cover
- Vertical louvers ~ new design
- Downturn nozzle kits ~ new design
- Gas conversion kits (natural and propane)
- Master/Slave controls for zoning up to six units
- Ceiling suspension kit Sizes 30-125
- Hanger kits for 1" pipe
- Stepdown transformer (for 230/3 and 460/3 supply voltage)
- Manual shutoff valves

TECHNICAL DATA

Model UDAP



CSA rating for altitudes to 2000 ft.

st motor FLA. Answer is rounded to the nearest commercially available circuit breaker. * All other information in this table is based on a heater equipped with a standard 115 volt open fan motor.

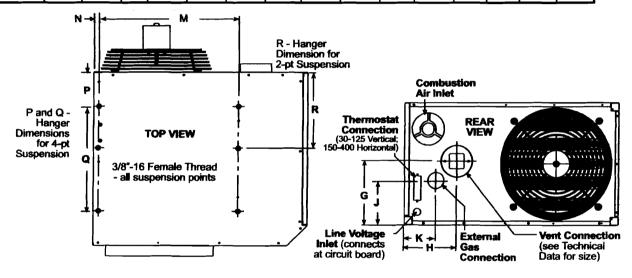
Size shown is for gas connection to a single stage gas vaive, not supply line size.
 Smaller or larger vent pipe diameters may be allowed; refer to the Venting Installation Manual, Form I-V-PV. If vent diameter is different from vent connection, reducer/enlargers will be field-required. $MODP = 2.25 \times (largest motor FLA) + smallest motor.$

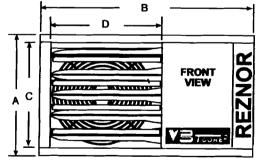
DIMENSIONS

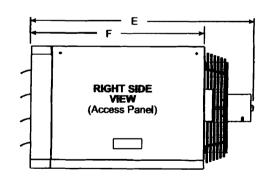
Model UDAP

±1/16" (2mm)

										_					
Size	A	В) C	D	_ E	F	G	Н	J	K	M	N	Р	Q	R
30, 45	12 1/8	25 5/8	10	13 13/16	26	21 9/16	5 3/16	6 1/2	2 11/16	3 7/8	17 3/8	11/16	4 5/16	13	9 9/16
60	15 1/8	25 5/8	13	13 13/16	27	21 9/16	7 7/8	6 1/2	5 1/2	3 7/8	17 3/8	11/16	4 5/16	13	10 1/2
75	15 1/8	25 5/8	13	13 13/16	27 5/8	21 9/16	77/8	6 1/2	5 1/2	3 7/8	17 3/8	11/16	4 5/16	13	10 1/2
100	23 1/8	25 5/8	21	13 13/16	28 5/8	21 9/16	14 1/2	6 1/2	8 3/4	3 7/8	17 3/8	11/16	4 5/16	13	10 1/2
125	23 1/8	25 5/8	21	13 13/16	29 3/8	21 9/16	14 1/2	6 1/2	8 3/4	3 7/8	17 3/8	11/16	4 5/16	13	10 1/2
150, 175, 200	20 1/8	38 3/16	16	23	42	35 3/8	8 1 <i>/</i> 2	8 1/4	5 7/16	6 1/2	25 11/16	1 3/8	8 3/16	22 3/16	16 3/8
225, 250	26 1/8	38 3/16	22	23	42	35 3/8	13 1/16	8 13/16	9	6 1/2	25 11/16	1 3/8	8 3/16	22 3/16	15 5/8
300, 350, 400	34 1/8	41	30	23	42	35 3/8	17 1/16	9	11 13/16	7 5/16	27 11/16	1 3/8	8 3/16	22 3/16	16 3/16
Size	A	В	С	D	E	F	G	Н	J	K	M	N	Р	Q	R
30, 45	(308)	(651)	(254)	(351)	(660)	(548)	(132)	(165)	(68)	(98)	(441)	(17)	(110)	(330)	(243)
60	(384)	(651)	(330)	(351)	(686)	(548)	(200)	(165)	(140)	(98)	(441)	(17)	(110)	(330)	(267)
75	(384)	(651)	(330)	(351)	(702)	(548)	(200)	(165)	(140)	(98)	(441)	(17)	(110)	(330)	(267)
100	(587)	(651)	(533)	(351)	(727)	(548)	(368)	(165)	(222)	(98)	(441)	(17)	(110)	(330)	(267)
125	(587)	(651)	(533)	(351)	(746)	(548)	(368)	(165)	(222)	(98)	(441)	(17)	(110)	(330)	(267)
150, 175, 200	(511)	(970)	(406)	(584)	(1,067)	(899)	(216)	(210)	(138)	(165)	(652)	(35)	(208)	(564)	(416)
225, 250	(664)	(970)	(559)	(584)	(1,067)	(899)	(332)	(224)	(229)	(165)	(652)	(35)	(208)	(564)	(397)







CLEARANCES FROM COMBUSTIBLES

	Тор		Flue Connector		Access Panel		Non-Access Side		Bottom*		Rear	
Size	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
30-125	1	25	6	152	18	457	1	25	1	25	18	457
150-400	4	102	6	152	18	457	2	51	1	25	18	457

*Suspend the heater so that the bottom is a minimum of 5' (1.5M) above the floor.