

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that BANKS, GREGORY RGREGORY R
BANKS

Located At 23 CHANDLERS WHARF UNIT

Job ID: 2011-07-1664-HVAC

CBL: 031 - - J - 002 - 023 - - - -

has permission to Install new gas heating system

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

Fire Prevention Officer

Code Enforcement Officer / Plan Reviewer

**THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
PENALTY FOR REMOVING THIS CARD**

[Handwritten signature and date 2/14/11]

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, FAX: (207) 8716

Job No: 2011-07-1664-HVAC	Date Applied: 7/8/2011	CBL: 031 - - J - 002 - 023 - - - - -	
Location of Construction: CHANDLERS WHARF UNIT 203	Owner Name: GREGORY R BANKS	Owner Address: 10 WALL ST CONCORD, NH - NEW HAMPSHIRE 03301	Phone:
Business Name:	Contractor Name: Avery Services	Contractor Address: 7 Thomas DR WESTBROOK MAINE 04092	Phone: 772-8687
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC	Zone: WCZ
Past Use: 90 residential condos within 7 bldgs	Proposed Use: Same: 90 residential condos within 7 bldgs – install a new heating system for unit #203	Cost of Work: \$5,000.00	CEO District:
		Fire Dept: Signature: <i>[Signature]</i>	Inspection: Use Group: R-2 Type: HVAC Signature: <i>[Signature]</i>
Proposed Project Description: Install Gas Furnace on floor		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Lannie		Zoning Approval	

<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building Permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False informatin may invalidate a building permit and stop all work.</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetlands</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p><input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM</p> <p>Date: <i>ok - S</i> 7/13/11</p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>	<p>Historic Preservation</p> <p><input checked="" type="checkbox"/> Not in Dist or Landmark</p> <p><input type="checkbox"/> Does not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: <i>S</i></p>
	CERTIFICATION		

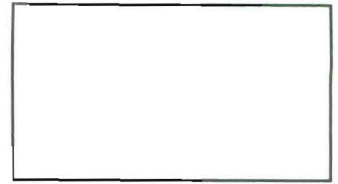
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the appication is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHON



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location / CBL 31J 002025 # 2011-67-166A Use of Building WCE Date _____

Name and address of owner of appliance GREG BANKS
203 CHANDLER'S WHARF, PORTLAND ME

Installer's name and address AVERY SERVICES, INC
7 THOMAS DRIVE WESTBROOK ME 04092 Telephone 207-772-8687

7.13.11

Location of appliance:

- Basement
- Floor
- Attic
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name:

U.L. Approved Yes No

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No

IF NO Explain: _____

The Type of License of Installer:

- Master Plumber # _____
- Solid Fuel # _____
- Oil # _____
- Gas # PNT 46 76
- Other _____

Type of Chimney:

- Masonry Lined
Factory built _____

- Metal EXISTING
Factory Built U.L. Listing # _____

- Direct Vent
Type _____ UL# _____

Type of Fuel Tank

- Oil
- Gas - NATURAL GAS

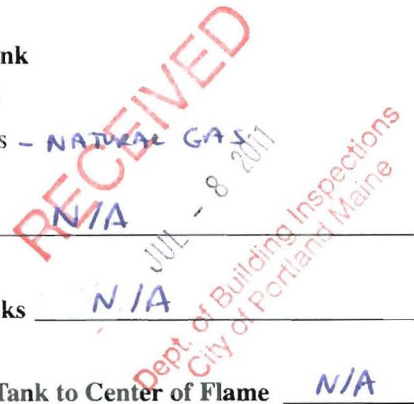
Size of Tank N/A

Number of Tanks N/A

Distance from Tank to Center of Flame N/A feet.

Cost of Work: \$ 4,650

Permit Fee: \$ 70



Approved

Fire: _____

Ele.: _____

Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Inspector's Signature _____

Date Approved _____

Signature of Installer [Signature]

AVERY SERVICES INC.
Colonel Westbrook Executive Park
7 Thomas Drive
WESTBROOK, MAINE 04092
(207) 772-8687

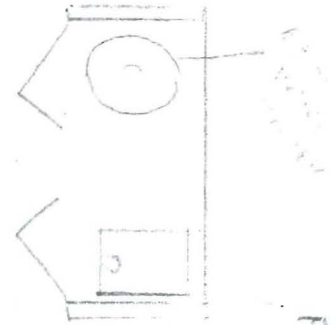
JOB FREE DRAIN 208 Westbrook 2/1/01

SHEET NO. _____ OF _____

CALCULATED BY _____ DATE _____

CHECKED BY _____ DATE _____

SCALE _____



Plumbing
Flooring
2/1/01



Plumbing
Flooring
2/1/01

Plumbing
Flooring
2/1/01



Home Improvement Agreement: HVAC Installation

The Installation Professional named below will furnish, install and service the equipment listed below at the price, terms and conditions as outlined on this form

Installation Professional AVERY SERVICES, INC	Installation Professional's License #/Exp. Date	Proposed Date 6-7-11
Address 7 THOMAS DRIVE	City, State, Zip WESTBROOK ME 04092	
Phone # 207-772-8687		

Home Depot Information:

Lot # 1-1538413023	Store # 2401	THD Installer # 69399
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Customer Information:

Name GREG BANKS	Service Address 203 CHANDLER'S WHARF
Phone #s: Day 603-229-1860 Evening	City, State, Zip PORTLAND ME
Email GBR777@aol.com	

Equipment Information: (attach additional list of equipment if necessary)

Manufacturer: PAYNE	
<input checked="" type="checkbox"/> Condenser/Heat Pump #1 Model # P13NA030000 Serial # _____	<input checked="" type="checkbox"/> Coil Model # PNPVP3017ACA
<input type="checkbox"/> Condenser/Heat Pump #2 Model # _____ Serial # _____	<input type="checkbox"/> Thermostat Model # _____
<input type="checkbox"/> Furnace/Air Handler #1 Model # _____ Serial # _____	<input type="checkbox"/> Air Cleaner Model # _____
<input checked="" type="checkbox"/> Furnace/Air Handler #2 Model # PG8MEA048070 Serial # _____	<input type="checkbox"/> Humidifier Model # _____
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Other _____

	Provider	Length	Type	Equipment Covered	
Extended Service Agreement Only	<input type="checkbox"/> Home Depot	<input type="checkbox"/> 5 Year	<input type="checkbox"/> Parts	<input type="checkbox"/> Complete System/Pkg Unit	<input type="checkbox"/> Accessory
	<input type="checkbox"/> Manufacturer	<input type="checkbox"/> 10 Year	<input type="checkbox"/> Labor	<input type="checkbox"/> Condensing Unit	<input type="checkbox"/> Boiler
		<input type="checkbox"/> 12 Year	<input type="checkbox"/> Parts & Labor	<input type="checkbox"/> Furnace/Air Handler	<input type="checkbox"/> Other _____
		<input type="checkbox"/> Other			

Check all that apply: New _____ Amp electric service/disconnect Clean work area to customer's satisfaction Complete system startup
 Remove existing equipment from premises 33 point installation audit Other _____

Prices quoted will be VALID for a period of 10 days from the proposal date of this contract.	Total investment \$ 4,650 -
NOTICE TO OWNER: DO NOT SIGN THIS CONTRACT IF BLANK.	Taxes \$ USE TAX
YOU ARE ENTITLED TO A COPY OF THIS CONTRACT AT THE TIME YOU SIGN.	Total Amount \$ 4,650 -

Permit/Inspection Information:

Permit Required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Permit Number
City/County Issuing Permit PORTLAND / CUMBERLAND	Scheduled Inspection Date/Time

Notice of Cancellation form received: _____ Initial Termination clause reviewed: _____ Initial

Definitions: "You"/"Your" means the customer identified above. "Installation" means the installation services specified in this Agreement. "Installation Professional" or "Professional" means an independent contractor authorized by Home Depot (licensed and insured as required by Home Depot and applicable law) and the contractor's employees, agents and subcontractors. "Agreement" means this Special Services/Home Improvement Agreement between You and Home Depot U.S.A., Inc. (interchangeably referred to as "Home Depot"), which includes this page, the General Terms and Conditions following this page, the State Supplement, the Invoice or Specifications and any other documents expressly made a part of this Agreement. Please see this Agreement's General Terms and Conditions for additional definitions.

Acceptance and Authorization: By signing below, You authorize Home Depot to (a) arrange for Installation Professional to perform installation and/or (b) order and arrange for the delivery of special order merchandise, including special order merchandise that may be custom made, as specified in this Agreement. You understand this Agreement constitutes the entire understanding between You and Home Depot and may only be amended by a Change Order signed by Home Depot (or by Installation Professional or its authorized representative on Home Depot's behalf) and You. This Agreement expressly supersedes all prior written or verbal agreements or representations made by Home Depot, Installation Professional, You, or anyone else. Except as set forth in this Agreement, You agree there are no oral or written representations or inducements, express or implied, in any way conditioning this Agreement, and You expressly disclaim their existence. Do not sign if blank or incomplete. (Installation Professional's/permitting information may need to be provided to You later.) By signing, You acknowledge that You have read, understand, and accept this Agreement in its entirety. You further acknowledge receiving a complete copy. Keep it to protect Your legal rights.



Scope of Work

SITE INSPECTION: (explain responses in the Scope of Work section below)

YES NO

ACCA Manual J Load calculation performed		X
Equipment listed in this proposal will satisfy the load requirements determined in load calculation performed for this structure	X	
Is the existing ductwork properly sized to meet the requirements of:		
System Airflow (400 cfm/ton)	X	
Standard Velocity in branch and main ducts	X	
(If any deficiencies in existing ductwork, explain in the Scope of Work section below)		
What existing system components will remain a part of this system. <small>(explanation REQUIRED in the Scope of Work section below)</small>		
Outdoor Condensing Unit		X
Refrigerant Lines	X	
Furnace		X
Evaporator Coil		X
Are existing system components compatible with refrigerant type and efficiency of the new equipment listed in the proposal?	X	

SCOPE OF WORK: (attach additional description and/or drawings if necessary)

REMOVE AND DISPOSE OF EXISTING COIL, FURNACE AND CONDENSING UNIT, PER EPA LAWS

INSTALL 13 SEER 410A CONDENSING UNIT ON EXISTING TRAPEZE

INSTALL A PAYNE VERTICAL EVAPORATIVE COIL

FLUSH EXISTING REFRIGERANT LINES WITH R11 FLUSH

INSTALL A PAYNE 80% GAS FURNACE WITH ECM MOTOR

RECONNECT EXISTING UTILITIES AND CONTROL

INSTALL A NEW SUPPLY PLENUM RECONNECT EXISTING DUCT RUNS

Proposed start date: _____ Expected completion date: _____

X Angie M. Batts
Customer Signature:

Date: 6-23-11

X _____
Co-Signer (if applicable)

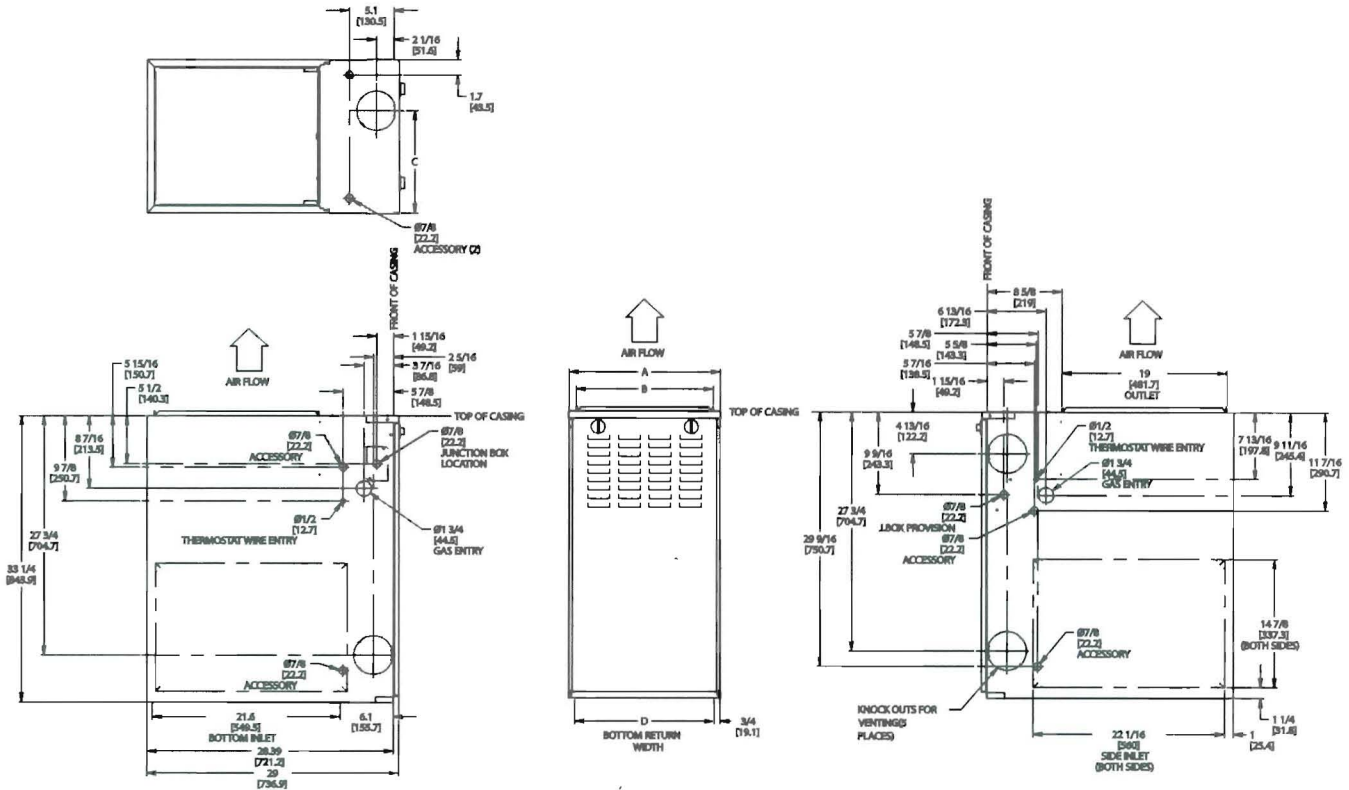
Date: _____

X Thomas Unger, PRESIDENT
Installation Professional Signature:

Date: 6-7-11

This contract is not considered to be binding without the authorized signature of a licensed HVAC Installation Professional. By signing this contract, the licensed HVAC Installation Professional acknowledges the work to be performed will be in accordance with all federal, state, and local codes.

DISTRIBUTION: White—Home Depot Copy Yellow—Customer Acceptance & Invoice Copy Pink—Installation Professional Copy Gold—Customer Proposal Copy
HD-243 (1/20/11)



A10290

NOTES:

- 1 Two additional 7/8-in. (22 mm) diameter holes are located in the top plate.
2. Minimum return-air openings at furnace, based on metal duct. If flex duct is used, see flex duct manufacturer's recommendations for equivalent diameters.
 - a. For 800 CFM—16-in. (406 mm) round or 14 1/2 x 12-in. (368 x 305 mm) rectangle.
 - b. For 1200 CFM—20-in. (508 mm) round or 14 1/2 x 19 1/2-in. (368 x 495 mm) rectangle.
 - c. For 1600 CFM—22-in. (559 mm) round or 14 1/2 x 22 1/16-in. (368 x 560mm) rectangle.
- d. For airflow requirements above 1800 CFM, see Air Delivery table in Product Data literature for specific use of single side inlets. The use of both side inlets, a combination of 1 side and the bottom, or the bottom only will ensure adequate return air openings for airflow requirements above 1800 CFM.

FURNACE SIZE	A CABINET WIDTH IN (mm)	B OUTLET WIDTH IN (mm)	C TOP & BOTTOM FLUE COLLAR IN (mm)	D BOTTOM INLET WIDTH IN (mm)	VENT CONNECTION SIZE IN (mm)	SHIP WT LB (KG)
024045	14-3/16 (360)	12-9/16 (319)	9-5/16 (237)	12-11/16 (322)	4 (102)	104 (47)
036045	14-3/16 (360)	12-9/16 (319)	9-5/16 (237)	12-11/16 (322)	4 (102)	107 (49)
024070	14-3/16 (360)	12-9/16 (319)	9-5/16 (237)	12-11/16 (322)	4 (102)	111 (50)
036070	14-3/16 (360)	12-9/16 (319)	9-5/16 (237)	12-11/16 (322)	4 (102)	115 (52)
048070	17-1/2 (445)	15-7/8 (403)	11-9/16 (294)	16-1/8 (410)	4 (102)	126 (57)
042090	17-1/2 (445)	15-7/8 (403)	11-9/16 (294)	16-1/8 (410)	4 (102)	127 (58)
048090	21 (533)	19-3/8 (492)	13-5/16 (338)	19-1/2 (495)	4 (102)	140 (64)
060090	21 (533)	19-3/8 (492)	13-5/16 (338)	19-1/2 (495)	4 (102)	146 (66)
036110	17-1/2 (445)	15-7/8 (403)	11-9/16 (294)	16-1/8 (410)	4 (102)	135 (61)
048110	21 (533)	19-3/8 (492)	13-5/16 (338)	19-1/2 (495)	4 (102)	146 (66)
066110	21 (533)	19-3/8 (492)	13-5/16 (338)	19-1/2 (495)	4 (102)	152 (69)
048135	21 (533)	19-3/8 (492)	13-5/16 (338)	19-1/2 (495)	4 (102)*	149 (68)
066135	24-1/2 (622)	22-7/8 (581)	15-1/16 (383)	23 (584)	4 (102)*	163 (74)
060155	24-1/2 (622)	22-7/8 (581)	15-1/16 (383)	23 (584)	4 (102)8	170 (77)

*135 and 155 size furnaces require a 5 or 6-in. (127 or 152 mm) vent. Use a vent adapter between furnace and vent stack. See Installation Instructions for complete installation requirements.


DIMENSIONS - SERIES B - ENGLISH

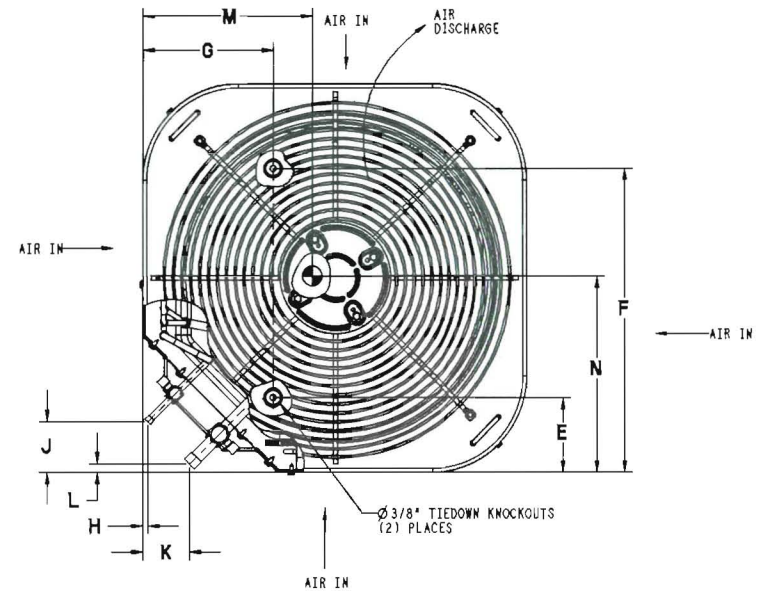
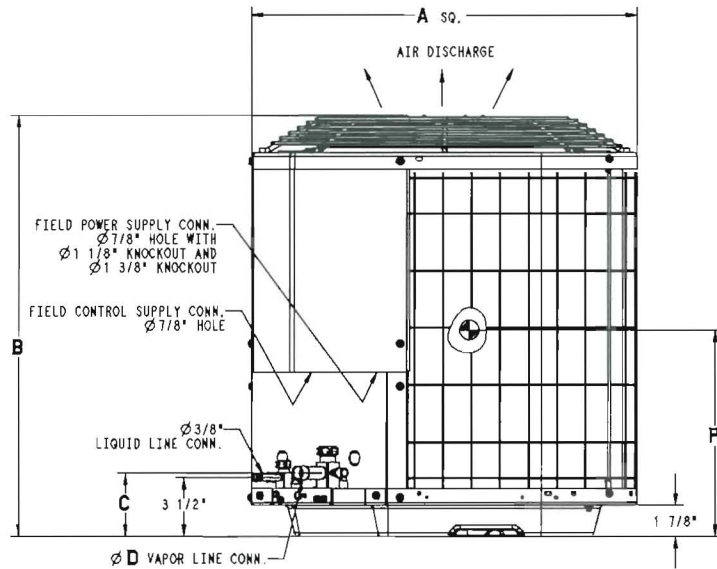
UNIT	SERIES	ELECTRICAL CHARACTERISTICS					A	B	C	D	E	F	G	H	J	K	L	M	N	P	OPERATING WEIGHT	SHIPPING WEIGHT	SHIPPING DIMENSIONS (L x W x H)
		X	O	O	O	O																	
PA13NA018	B	X	O	O	O	23 1/8"	24 13/16"	3 3/4"	3/4"	4 7/16"	18 1/16"	7 13/16"	5/16"	3"	2 13/16"	1/2"	12"	11 3/4"	11 7/8"	104#	120#	24 1/8" X 24 1/8" X 27 3/16"	
PA13NA024	B	X	O	O	O	23 1/8"	24 13/16"	3 3/4"	3/4"	4 7/16"	18 1/16"	7 13/16"	5/16"	3"	2 13/16"	1/2"	12"	11 3/4"	11 7/8"	107#	123#	24 1/8" X 24 1/8" X 27 3/16"	
PA13NA030	B	X	O	O	O	23 1/8"	28 7/16"	3 3/4"	3/4"	4 7/16"	18 1/16"	7 13/16"	5/16"	3"	2 13/16"	1/2"	12"	11 3/4"	12 1/2"	110#	126#	24 1/8" X 24 1/8" X 30 5/8"	
PA13NA036	B	X	O	O	O	23 1/8"	35 3/16"	3 7/8"	7/8"	4 7/16"	18 1/16"	7 13/16"	5/16"	3"	2 13/16"	1/2"	12"	11 3/4"	13 3/4"	122#	139#	24 1/8" X 24 1/8" X 37 7/16"	
PA13NA042	B	X	O	O	O	31 3/16"	31 13/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	16"	15 1/2"	13 3/4"	164#	187#	32 3/16" X 32 3/16" X 34"	
PA13NA048	B	X	O	O	O	31 3/16"	38 5/8"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	16"	15 1/2"	15 1/2"	181#	206#	32 3/16" X 32 3/16" X 40 13/16"	
PA13NA060	B	X	O	O	O	31 3/16"	28 7/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	16"	15 1/2"	12 3/4"	190#	216#	32 3/16" X 32 3/16" X 30 5/8"	
PA13PA036	B	O	O	X	O	23 1/8"	35 3/16"	3 7/8"	7/8"	4 7/16"	18 1/16"	7 13/16"	5/16"	3"	2 13/16"	1/2"	12"	11 3/4"	13 3/4"	122#	139#	24 1/8" X 24 1/8" X 37 7/16"	
PA13PA048	B	O	O	X	O	31 3/16"	38 5/8"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	16"	15 1/2"	15 1/2"	181#	206#	32 3/16" X 32 3/16" X 40 13/16"	
PA13PA060	B	O	O	X	O	31 3/16"	28 7/16"	3 7/8"	7/8"	6 9/16"	24 11/16"	9 1/8"	5/16"	3"	2 15/16"	5/8"	16"	15 1/2"	12 3/4"	190#	216#	32 3/16" X 32 3/16" X 30 5/8"	

208-230-160
230-160
208/230-3-60
460-3-60

X = YES
O = NO

NOTES:

- ALLOW 30° CLEARANCE TO SERVICE SIDE OF UNIT, 48" ABOVE UNIT, 6" ON ONE SIDE, 12" ON REMAINING SIDE, AND 24" BETWEEN UNITS FOR PROPER AIRFLOW.
- MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 55°F, MAX. 125°F.
- SERIES DESIGNATION IS THE 14TH POSITION OF THE UNIT MODEL NUMBER.
- CENTER OF GRAVITY 



UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18, 24, 30, 36	23 1/2" X 23 1/2"
--	26" X 26"
42, 48, 60	31 1/2" X 31 1/2"
--	35" X 35"

SPECIFICATIONS

UNIT SIZE	018	024	030	036	042	048	060			
SERIES	B	B	B	B / C	B / C	B / C	B / C			
ELECTRICAL										
Unit Volts—Hertz—Phase	208/230—60—1			208/230—60—1	208/230—60—3	208/230—60—1	208/230—60—1	208/230—60—3	208/230—60—1	208/230—60—3
Operating Voltage Range*	187—253									
Compressor—Rated Load Amps	9.0	13.5	12.8	14.1 / 17.3	9.0	17.9 / 21.8	19.9 / 20.5	13.1	26.4 / 27.6	16.0
Locked Rotor Amps	48.0	58.3	64.0	77.0 / 96.7	71.0	112.0 / 105.0	109.0 / 115.0	83.1	134.0 / 135.0	110.0
Condenser Fan Motor— Full Load Amps	0.5	0.8	0.8	1.4	1.4	1.1	1.4	1.4	1.4	1.4
Min Unit Ampacity for Wire Sizing	11.7	17.6	16.8	17.6 / 23.0	12.7	23.5 / 28.4	26.2 / 27.0	17.8	34.4 / 35.9	21.4
Min Wire Size (60°/75° Copper) AWG**	14	12	12	12	14	10	8	12	8	12
Max Wire Length (60°/75°) ft (m)†	66 / 62 (20.1 / 18.9)	70 / 66 (21.3 / 20.1)	74 / 70 (22.6 / 21.3)	70 / 66 (21.3 / 20.1)	70 / 67 (21.3 / 20.4)	83 / 79 (25.3 / 24.1)	115 / 109 (35.1 / 33.2)	70 / 66 (21.3 / 20.1)	89 / 82 (27.1 / 25.0)	66 / 63 (20.1 / 19.2)
Max Branch Circuit Fuse Sizer‡	20	30	25	30	20	40	40	25	50	30
COMPRESSOR AND REFRIGERANT										
Type	Scroll									
Temperature and Current Protection	Internal Line Break									
R—410A Refrigerant— Amount Lb (kg) @ 15 ft (4.6 m)	3.15 (1.43)	3.15 (1.43)	3.63 (1.65)	4.67 (2.12)	6.20 (2.82) / 6.07 (2.75)	7.67 (3.48) / 7.19 (3.27)		8.00 (3.64) / 8.5 (3.86)		
Refrigerant Tubes (In. OD) ‡‡ Rated Vapor and Maximum Liquid	3/4 and 3/8			7/8 and 3/8			1—1/8 and 3/8			
CONDENSER COIL AND FAN										
Coil Face Area (Sq Ft)	8.4	8.4	9.8	12.60	17.3	21.63	15.14			
Fan Motor—HP, Type, and RPM	1/12 PSC and 1100	1/10 PSC and 1100		1/4 PSC and 1100		1/5 PSC and 1100	1/4 PSC and 1100			
Volts—Hertz—Phase	208/230—60—1									
Condenser Airflow (CFM)	1700	2000	2000	2500	3000	3400	3400			
OPTIONAL EQUIPMENT										
Cycle Protector	KSACY0101AAA									
Start Assist—PTC Type	KAACS0201PTC			N/A		KAACS0201PTC	N/A	KAACS0201PTC	N/A	N/A
Start Assist—Capacitor/Relay Type	KSAS1501AAA	KSAS1701AAA	KSAS1501AAA	N/A		KSAS1501AAA	N/A	KSAS1501AAA	N/A	N/A
MotorMaster® Control	KSALA0601AAA									
Ball Bearing Fan Motor (RCD)	HC32GE234	HC34GE239	HC40GR232	HC38GE219	HC40GE226					
Low—Pressure Switch	KAALP0401PUR									
High—Pressure Switch	KAAHI0501PUR									
Compressor Sound Hood	KSASH1801COP				KSASH0601COP			KSASH2101COP		
Time—Delay Relay	KAATD0101TDR									
Low—Ambient Pressure Switch Kit	KSALA0301410									
Winter Start Control	KAAWS0101AAA									
Evaporator Freeze Thermostat	KAAFT0101AAA									
Compressor Crankcase Heater	KAACH1401AAA					KAACH1201AAA				
Liquid Line Solenoid Valve††	KAALS0201LLS									
TXV (Hard Shutoff)††	KSATX0201PUR			KSATX0301PUR			KSATX0401PUR		KSATX0501PUR	
Standard Thermostat, Manual Changeover, Non—Programmable, °F/°C, 1—Stage Heat, 1—Stage Cool	TSTATPPBAC01									
Thermostat, Auto Changeover, 7—Day Programmable, °F/°C, 1—Stage Heat, 1—Stage Cool	TSTATPPPAC01									
Outdoor Sensor	TSTATXXSEN01—B									
Liquid Line Filter Drier	KH43LG073									
Backplate for Standard Thermostat	TSTATXXBBP01									
Backplate for Programmable Thermostat	TSTATXXPBP01									

N/A — Not applicable in this application.

* Permissible limits of the voltage range at which unit will operate satisfactorily. Operation outside these limits may result in unit failure.

† Time—delay fuse or circuit breaker.

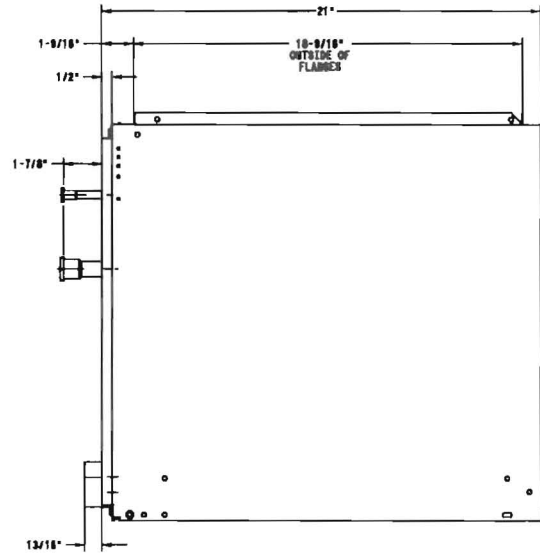
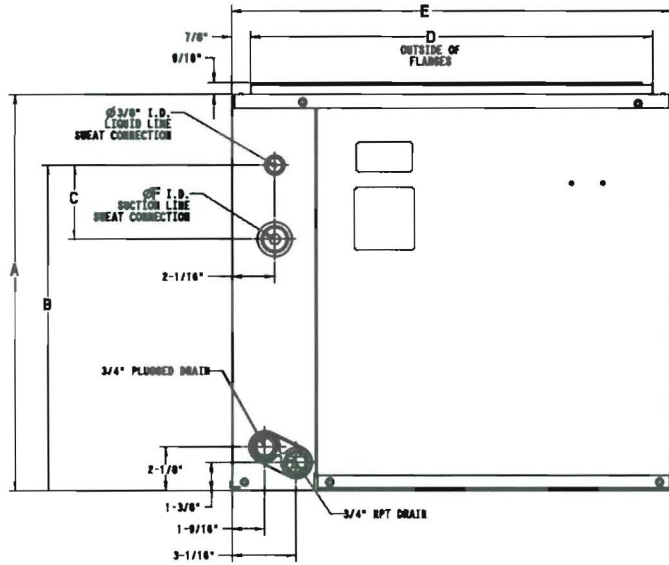
‡ Length shown is as measured 1 way along wire path between unit and service panel for voltage drop not to exceed 2%.

** If wire is applied at ambient greater than 30° C, consult Table 310—16 of the NEC (ANSI/NFPA 70). The ampacity of nonmetallic—sheathed cable (NM), trade name ROMEX, shall be that of 60° C conductors, per the NEC (ANSI/NFPA 70) Article 336—26.

†† Do not use hard shutoff TXV with liquid solenoid valve.

‡‡ Units are rated with 25 ft (7.6 m) of lineset length. See *Vapor Line Sizing and Cooling Capacity Loss* table when using other sizes and lengths of lineset.

DIMENSIONS



CNPV / CNRV

A05429

DIMENSIONS - CN(P,R)VP

UNIT	A in. (mm)	B in. (mm)	C in. (mm)	D in. (mm)	E in. (mm)	F in. (mm)	SHIPPING WT. lbs. (kg)	
							Non-Coated Hairpins (C)	Tin-Coated Hairpins (T)
CN*VP1814A*A	12-5/8 (321)	10-1/16 (255)	5-5/16 (135)	12-1/2 (318)	14-3/16 (361)	5/8 (16)	36.0 (16)	38.5 (17)
CNPVP1917A*A	17 (432)	13-7/8 (352)	3-9/16 (90)	15-3/4 (400)	17-1/2 (445)	3/4 (19)	36.0 (16)	38.5 (17)
CN*VP2414A*A	14-5/8 (371)	12-1/16 (306)	5-5/16 (135)	12-1/2 (318)	14-3/16 (361)	5/8 (16)	39.5 (18)	40.0 (18)
CN*VP2417A*A	14-5/8 (371)	10-1/16 (255)	3-9/16 (90)	15-3/4 (400)	17-1/2 (445)	5/8 (16)	39.5 (18)	42.5 (19)
CN*VP3014A*A	17 (432)	13-5/8 (346)	5-5/16 (135)	12-1/2 (318)	14-3/16 (361)	3/4 (19)	46.5 (21)	50.0 (23)
CN*VP3017A*A	17 (432)	13-7/8 (352)	3-9/16 (90)	15-3/4 (400)	17-1/2 (445)	3/4 (19)	47.0 (21)	49.5 (22)
CNPVP3117A*A	23-1/4 (490)	17-1/2 (445)	3-9/16 (90)	15-3/4 (400)	17-1/2 (445)	3/4 (19)	47.0 (21)	49.5 (22)
CN*VP3617A*A	17 (432)	13-7/8 (352)	3-9/16 (90)	15-3/4 (400)	17-1/2 (445)	3/4 (19)	48.5 (22)	51.0 (23)
CN*VP3621A*A	17 (432)	13-9/16 (344)	3-9/16 (90)	19-1/4 (489)	21 (533)	3/4 (19)	48.0 (22)	51.0 (23)
CNPVP3717A*A	27-3/16 (691)	17-1/2 (445)	3-9/16 (90)	15-3/4 (400)	17-1/2 (445)	7/8 (22)	45.2 (21)	51.8 (24)
CNPVP4217A*A	21-1/8 (537)	13-7/8 (352)	3-9/16 (90)	15-3/4 (400)	17-1/2 (445)	7/8 (22)	52.0 (24)	55.0 (25)
CN*VP4221A*A	19 (483)	15-5/8 (397)	3-9/16 (90)	19-1/4 (489)	21 (533)	7/8 (22)	56.5 (27)	59.5 (27)
CNPVP4324A*A	26-5/16 (668)	17-5/16 (440)	3-9/16 (90)	22-3/4 (578)	24-1/2 (622)	7/8 (22)	58 (26.3)	59.5 (27)
CN*VP4821A*A	22-1/16 (560)	17-1/2 (445)	3-9/16 (90)	19-1/4 (489)	21 (533)	7/8 (22)	65.5 (30)	68.5 (31)
CN*VP4824A*A	22-1/16 (560)	17-1/4 (438)	3-9/16 (90)	22-3/4 (578)	24-1/2 (622)	7/8 (22)	62.0 (28)	65.0 (29)
CN*VP6024A*A	26-5/16 (668)	17-15/16 (456)	3-9/16 (90)	22-3/4 (578)	24-1/2 (622)	7/8 (22)	78.0 (35)	80.5 (37)
CNPVP6124A*A	32-7/16 (824)	17-15/16 (456)	3-9/16 (90)	22-3/4 (578)	24-1/2 (622)	7/8 (22)	83.5 (38)	86.5 (39)



CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

7.8. 20 11

Received from

Abey Services-

Location of Work

203 Commercial Wharf-

Cost of Construction

\$

Building Fee:

Permit Fee

\$

Site Fee:

Certificate of Occupancy Fee:

Total:

70

Building (IL) ___ Plumbing (I5) ___ Electrical (I2) ___ Site Plan (U2) ___

Other

CBL:

310 002 023

Check #:

035829

Total Collected \$

70

**No work is to be started until permit issued.
Please keep original receipt for your records.**

Taken by:

[Signature]

WHITE - Applicant's Copy
YELLOW - Office Copy
PINK - Permit Copy