

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 10-1420	Issue Date:	CBL: 148 A008001
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Location of Construction: 250 CANCO RD	Owner Name: BOTTLING GROUP L.L.C	Owner Address: 1 PEPSI WAY	Phone:
Business Name:	Contractor Name: New Energy Solutions LLC	Contractor Address: P.O. Box 550 Standish	Phone: 2076996199
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	Zone: I-14
Past Use: Commercial - Pepsi Bottling Group	Proposed Use: Commercial - Pepsi Bottling Group - install a Modine/Bryant roof top units replacement of existing units	Permit Fee:	Cost of Work: \$0.00
			CEO District: 4
Proposed Project Description: install a Modine/Bryant roof top units replacement of existing units		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied *See Conditions	INSPECTION: Use Group: F-2 Type: HVAC DMC-2003 Signature: AMB 11/24/10
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: Date:	

Permit Taken By: Idobson	Date Applied For: 11/15/2010	Zoning Approval	
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- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
- Building permits do not include plumbing, septic or electrical work.
- Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

Special Zone or Reviews	Zoning Appeal	Historic Preservation
<input type="checkbox"/> Shoreland	<input type="checkbox"/> Variance	<input checked="" type="checkbox"/> Not in District or Landmark
<input type="checkbox"/> Wetland	<input type="checkbox"/> Miscellaneous	<input type="checkbox"/> Does Not Require Review
<input type="checkbox"/> Flood Zone	<input type="checkbox"/> Conditional Use	<input type="checkbox"/> Requires Review
<input type="checkbox"/> Subdivision	<input type="checkbox"/> Interpretation	<input type="checkbox"/> Approved
<input type="checkbox"/> Site Plan	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved w/Conditions
Maj <input type="checkbox"/> MInor <input type="checkbox"/> MM <input type="checkbox"/>	<input type="checkbox"/> Denied	<input type="checkbox"/> Denied
Date: 11/15/10	Date:	Date:

PERMIT ISSUED

NOV 24 2010

City of Portland

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 application 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 PHONE

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Business Name:	Contractor Name: New Energy Solutions LLC	Contractor Address: P.O. Box 550 Standish	Phone: (207) 699-6199
Lessee/Buyer's Name	Phone:	Permit Type: HVAC	

Proposed Use: Commercial - Pepsi Bottling Group - install a Modine/Bryant roof top units replacement of existing units	Proposed Project Description: install a Modine/Bryant roof top units replacement of existing units
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Dept: Zoning **Status:** Approved **Reviewer:** Marge Schmuckal **Approval Date:** 11/15/2010

Note: **Ok to Issue:**

- 1) The maximum noise allowances shall be met with the proposed replacement units.
- 2) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

Dept: Building **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 11/24/2010

Note: **Ok to Issue:**

- 1) Equipment must be installed in compliance with the UL listing, the manufacturer's specifications and IMC 2003
- 2) The installation must comply with the State of Maine Gas Regulations.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Capt Keith Gautreau **Approval Date:** 11/16/2010

Note: **Ok to Issue:**

- 1) Install shall comply with all manufacture's specifications.
- 2) Install shall comply with NFPA 54.
A compliance letter is required

PERMIT ISSUED

NOV 24 2010



FILL IN AND SIGN WITH INK

PERMIT ISSUED
NOV 24 2010

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

City of Portland

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 Portland 148-A-8 Use of Building COMMERCIAL Date 10-11-10
 Name and address of owner of appliance PEPSI BOTTLING GROUP
250 CANCORR
 Installer's name and address NEW ENERGY SOLUTIONS LLC P.O. BOX 550 STANDISH, ME. 04084
 Telephone 207-699-6199

Location of appliance:

- Basement Floor WAREHOUSE
 Attic Roof

Type of Fuel:

- Gas Oil Solid

Appliance Name: MODINE / BRYANT ROOF TOP
 U.I. Approved Yes No Replacing EXISTING UNIT

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 55
 Other _____

Type of Chimney:

- Masonry Lined
 Factory built _____
 Metal
 Factory Built U.L. Listing # _____
 Direct Vent
 Type PVC UL# _____

Type of Fuel Tank

- Oil
 Gas
 NATURAL

Size of Tank Dept. of Building Inspections
City of Portland Maine

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$51,750.00

Permit Fee: \$ 537.50 540

RECEIVED

NOV 12 2010

Approved

Approved with Conditions

Fire: _____

Ele.: _____

Bldg.: _____

See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer [Signature]

White - Inspection

Yellow - File

Pink - Applicant's

Gold - Assessor's Copy



CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

I-4

11-12

20 10

Received from Newbury St. F.

Location of Work * 2nd St. Garco Rd

Cost of Construction \$ (10) Building Fee: 1000

Permit Fee \$ _____ Site Fee: _____

Certificate of Occupancy Fee: _____

Total: 540

Building (1L) _____ Plumbing (15) _____ Electrical (12) _____ Site Plan (U2) _____

Other _____

CBL: 178-178

Check #: 1029 Total Collected \$ 540

**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



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT

PERMIT ISSUED

NOV 24 2010

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- Masonry Lined
 Factory built _____
 Metal
 Factory Built U.L. Listing # _____
 Direct Vent
 Type PVC UL# _____

Type of Fuel Tank

- Oil
 Gas
 NATURAL

Size of Tank _____

Number of Tanks _____

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 51750.00

Permit Fee: \$ 537.50 540

Approved

Fire: _____
 Ele.: _____
 Bldg.: _____

Approved with Conditions

- See attached letter or requirement

Inspector's Signature _____

Date Approved _____

Signature of Installer [Signature]

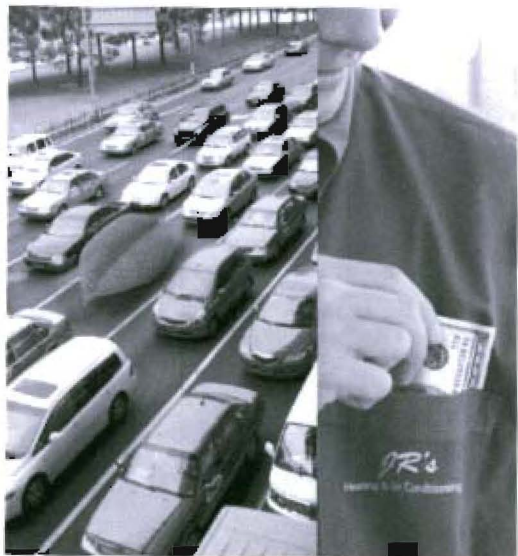
White - Inspection Yellow - File Pink - Applicant's Gold - Assessor's Copy



WHAT DOES THE EFFINITY⁹³ MEAN FOR YOUR BUSINESS?

- Outstanding up-sell and profit opportunity
- Provides end users with substantial annual energy and CO₂ savings
- A smart investment for both you and your customers, with Federal, State and utility rebates available, along with tax incentives
- For the environmentally conscious, it decreases CO₂ emissions a minimum 15% versus other unit heaters
- A full line of HVAC solutions made in the USA to meet the Buy American Act

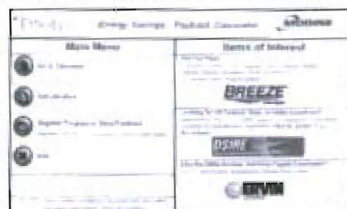
In many regions, each installed Effinity⁹³ heater is equivalent to taking one car off the road, in terms of annual CO₂ emissions. This lets end users help the environment and save money. And for contractors, this combination adds up to more money in your pocket.



SELLING TOOLS.

In order to help you sell this line to your customers, Modine has created the following support materials:

- Energy Savings Calculator** — An easy-to-use tool that lets contractors input customized operating data, such as months and hours of operation, to determine an accurate customer ROI and energy savings total.



End User Brochure — Highlights the features and benefits end users can expect from purchasing the Effinity⁹³.

Product Training — Through presentations and webinars, Modine has the training tools to show you how to make more money with the Effinity⁹³.

To obtain any of these tools or to learn more about training opportunities, please consult your authorized Modine distributor.

To learn more visit
www.ModineHVAC.com
or call 1.800.828.HEAT

Modine Manufacturing Company
1500 DeKoven Avenue
Racine, Wisconsin 53403-2552
1.800.828.HEAT
www.ModineHVAC.com

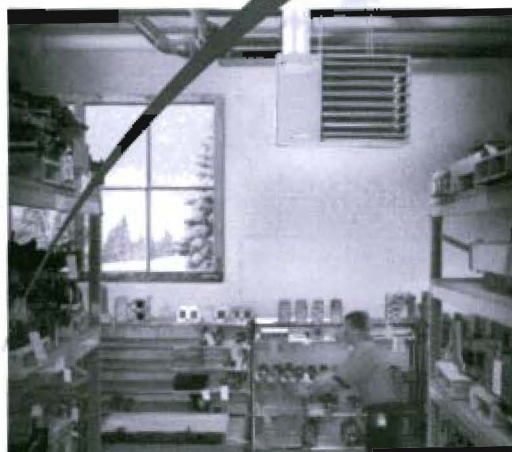


©2010 Modine Manufacturing Company

SAVE YOUR CUSTOMERS THOUSANDS OF DOLLARS IN ENERGY.

Effinity⁹³

93% Efficient



THE MOST EFFICIENT UNIT HEATER IN NORTH AMERICA.



SAVE YOUR CUSTOMERS MONEY, MAKE MORE FOR YOURSELF.

Modine's Effinity⁹³ (model PTC) unit heater line is the most efficient gas-fired, condensing unit heater in North America.

With six models available — from 135,000 to 310,000 BTU/hr — all operating at 93% efficiency, the Effinity⁹³ will dramatically lower your customers' energy costs and CO₂ emissions and give you a new profit opportunity.

Effinity⁹³ PTC260 (260,000 BTU/hr) vs. Comparable Power-Vented Unit Heater*

City	Uses less natural gas for fewer CO ₂ emissions		
	Annual Gas Savings	Equivalent Emissions in Burned Gasoline	Pounds of CO ₂ Saved
Chicago, IL	\$1,013	880 gallons	13,261
Las Vegas, NV	\$677	253 gallons	4,950
Minneapolis, MN	\$1,127	925 gallons	14,088
Nashville, TN	\$691	386 gallons	7,350
Oklahoma City, OK	\$775	424 gallons	8,278
Philadelphia, PA	\$1,087	519 gallons	10,131
Portland, OR	\$175	476 gallons	9,328

*Savings are based on a standard 100,000 BTU/hr unit heater. Efficiency is based on the unit heater's efficiency. Gas prices are based on the average price for natural gas in the United States for the year 2009. Gas prices are based on the average price for natural gas in the United States for the year 2009. Gas prices are based on the average price for natural gas in the United States for the year 2009.

As you can see, just one Effinity⁹³ can save end users more than a thousand dollars in energy and thousands of pounds in CO₂. And, savings are more than doubled compared to gravity-vented unit heaters.

When you factor in multiple units per building, it is not difficult to imagine the positive impact this can have on your bottom line and the environment.





RAISE YOUR COMFORT LEVEL. LOWER ENERGY COSTS.

Modine raises your comfort level with the new Effinity⁹³ high-efficiency, condensing unit heater.

Fuel Savings — At 93% efficiency, Modine's Effinity⁹³ line is the most efficient condensing unit heater in North America. This allows your customers to save those otherwise wasted energy dollars for themselves.

Dependable and Consistent Performance — Thanks to Modine's Conservicore™ technology, corrosion concerns are eliminated, extending the life of your customer's investment.

Gentle Air Circulation and Even Temperatures — Properly applied, the Effinity⁹³ maintains uniform wall-to-wall temperatures with consistent air circulation.

Safer Environments — Harmful combustion fumes are vented outside.

American-Made Quality — For more than 90 years customers like you have counted on Modine to stand by its workmanship. All products are still proudly made in the USA.

Greener Solutions — Just one Effinity⁹³ can lower CO₂ output by thousands of pounds annually.

YOU CAN BE ASSURED THE FOLLOWING WITH EFFINITY⁹³:

Modine's exclusive Conservicore™ technology relieves fear of failure

- Modine's Conservicore technology features a high-grade stainless steel secondary heat exchanger built to withstand acidic condensate
- Other manufacturers use aluminum secondary heat exchangers, a material that doesn't compare to the robust capabilities that Conservicore delivers

Modine's exclusive Conservicore™ technology relieves fear of failure

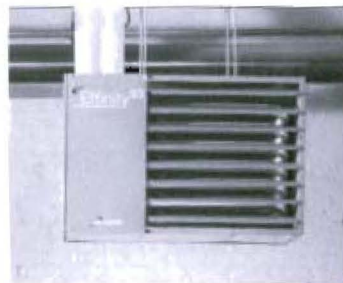
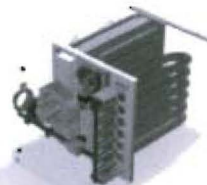


Modine's exclusive Conservicore™ technology relieves fear of failure

Modine's exclusive Conservicore™ technology relieves fear of failure

Modine's exclusive Conservicore™ technology relieves fear of failure

Modine's exclusive Conservicore™ technology relieves fear of failure



Designed for faster installation and lower installation costs

- Ability to be vented as either two-pipe or concentric vent system with 3" and 4" PVC vent pipe for quick, flexible and cost effective installations
- Built on Modine's successful PTS Model footprint, delivering 93% efficiency in the same compact box size as an 80% efficient model
- Factory-installed condensate drain overflow switch provides peace of mind in knowing the unit will shut off if the drain is ever clogged

The Contractor Convenience Package is standard, allowing for easier connectivity and troubleshooting includes:

- A service outlet for a condensate pump, utility light, or for cleaning
- Operational status lights indicate power-to-the unit, a call-for-heat, and burner operation
- A convenient junction box for power connections
- External terminals for fast thermostat connections

MODINE MAKES IT EASY TO ACCESSORIZE THE EFFINITY⁹³ TO MEET YOUR SPECIFICATIONS!

A wide range of available models

	PTC135	PTC155	PTC180	PTC215	PTC260
BTU/hr Input	135,000	155,000	180,000	215,000	260,000
kw	39.6	45.4	52.7	63.0	76.2
Thermal Efficiency	94%	94%	93%	93%	94%
BTU/hr Output	174,550	194,150	227,400	274,950	341,800
kw	50.8	56.7	66.2	79.4	97.8

- Condensate pump, mounting kit, and a PH neutralizing kit
- Stainless steel primary heat exchanger
- Energy Saver Kit, mounted high for destratification
- 30, 60 and 90 degree air deflector hoods
- A selection of room thermostats
- Two-point mounting kit
- Horizontal and vertical concentric vent kits
- Finger-proof fan guard

To learn more visit www.ModineHVAC.com or call 1.800.828.HEAT



Effinity⁹³
with Conservicore™ Technology

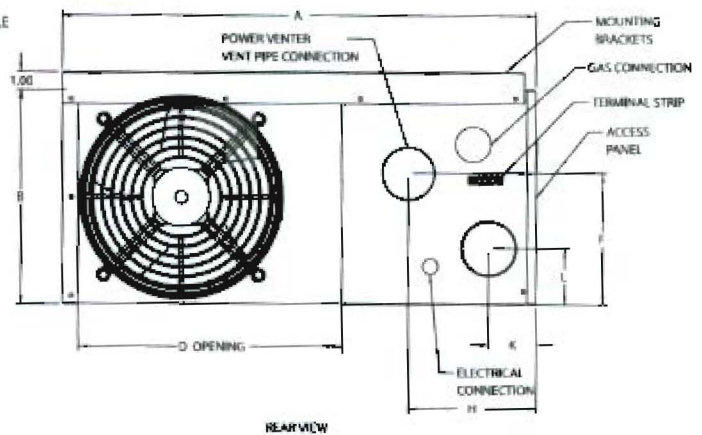
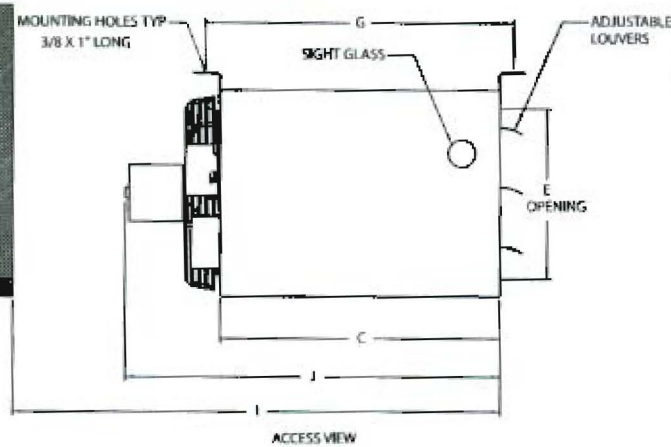


Certified for Residential and Commercial Use

SUBMITTAL DATA

separated combustion gas-fired unit heaters

model HDS



Performance

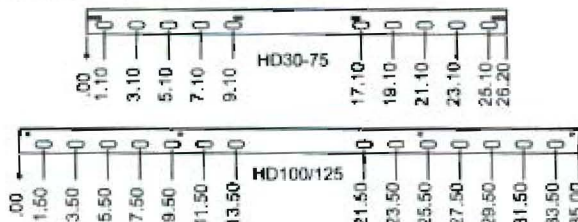
Models	HDS30	HDS45	HDS60	HDS75	HDS100	HDS125
Btu/Hr Input	30,000	45,000	60,000	75,000	100,000	125,000
Btu/Hr Output	24,000	36,000	48,000	60,000	80,000	100,000
Entering Airflow (CFM)	505	720	990	1,160	1,490	1,980
Outlet Velocity	523	749	653	769	565	747
Air Temp. Rise (°F)	44	46	45	48	50	47
Mounting Height (Max ft.)	10	10	12	14	12	16
Heat Throw (ft.)	25	27	36	38	42	56
Motor Data	Horsepower	1/15	1/15	1/12	1/12	1/8
	RPM	1,550	1,550	1,625	1,625	1,050
	Type	S.P.	S.P.	P.S.C.	P.S.C.	S.P.
	Amps	2.4	2.4	1.2	1.2	2.7
Unit Total Amps	3.7	3.7	2.5	2.5	4.7	4.2
Vent Connector Size (in.)	3	3	4	4	4	4

Dimensions (Inches)

Models	HDS30	HDS45	HDS60	HDS75	HDS100/125
A	26.8	26.8	26.8	26.8	35.5
B	12.2	12.2	18.0	18.0	20.5
C	16.5	16.5	16.5	16.5	22.0
D	14.9	14.9	14.9	14.9	22.5
E	10.1	10.1	15.9	15.9	18.4
F	7.25	7.25	10.75	10.75	14.0
G	18.5	18.5	18.5	18.5	24.0
H	7.6	7.6	7.835	7.835	8.4
Gas Connection	1/2	1/2	1/2	1/2	1/2
I	34.5	34.5	34.5	34.5	43.0
J	22	22	25	25	31.0
K	2.74	2.74	3.15	3.15	3.87
L	3.19	3.19	5.55	5.55	10.73
Fan Diameter	10	10	14	14	18.0
Approx. Shipping Weight (lbs.)	55	60	80	85	125

Mounting

1" angle, mounting brackets are slotted to accommodate joists on 16" or 24" centerlines.



Clearances

Unit Side	Clearance To Combustible Materials	Recommended Service Clearance
Top and Bottom	1"	1"
Access Side	1"	18"
Non-Access Side	1"	1"
Rear	18"	18"
Vent Connector	4"	4"

Control Options

Control Description	Control Code No.	Service Voltage	Thermostat Voltage	Type of Gas	Model Size
Single-Stage, Direct Spark Ignition, 100% Shut-Off with Continuous Retry - Utilizes a single-stage combination gas control with ignition control. Gas is lit with a direct spark igniter on call for heat.	11	115V	24V	natural	30-125
	21	115V	24V	propane	30-125
Two-Stage, Direct Spark Ignition, 100% Shut-Off with Continuous Retry - Utilizes a two-stage combination gas control with built-in ignition control. Firing rate is 100% and 50% of full rated input. Gas is lit with a direct spark igniter on call for heat. [Ⓢ]	12	115V	24V	natural	75-125
	22	115V	24V	propane	75-125

580J

SINGLE PACKAGE ROOFTOP GAS HEATING/ELECTRIC COOLING UNIT
WITH PURON® (R-410A) REFRIGERANT
ONE STAGE COOLING CAPACITY CONTROL: SIZES 08-12
TWO STAGE COOLING CAPACITY CONTROL: SIZES 08, 12 & 14



Submittal Data



Certified to ISO 9001:2000



DESCRIPTION

580J units are high-efficiency, single-package electric cooling, gas heating units that are pre-wired and pre-charged with Puron® (R-410A) HFC refrigerant. Size 08 - 12 units are available with Round Tube/Plate Fin (RTPF) condenser coil. In addition, size 08, 12 & 14 units with two-stage cooling capacity are available with an all aluminum flat micro-channel tube with louvered fins condenser coil—NOVATION™. The units are factory tested in both heating and cooling modes. These units meet the ASHRAE 90.1-2007 and Energy Star efficiency levels.

STANDARD FEATURES

Base Unit

- Puron (R-410A) HFC refrigerant
- ARI certified efficiency levels up to 11.1 EER
- Rated in accordance with ARI Standard 360
- Designed in accordance with Underwriters' Laboratories Std 1995 and listed by UL and UL, Canada
- One-stage cooling capacity control (sizes: 08-12)
- Two-stage cooling capacity control (sizes: 08, 12 & 14)
- Non-corrosive composite sloping design; side or center drain condensate pan. Meets ASHRAE Standard 62
- Standard cooling operating range from 40°F up to 115°F (4°C up to 46°C). Field installable accessory extends the minimum down to -20°F (-29°C).
- Convertible from vertical to horizontal airflow for slab mounting
- Two-inch disposable return air filters
- Thru-the-the-bottom power and gas entry capability
- Single point electric connections
- 24-volt control circuit protected with resettable circuit breaker and 75-VA transformer
- Belt drive, constant torque, permanently lubricated evaporator-fan motor
- Totally enclosed condenser motors with permanently lubricated bearings
- Low-pressure and high-pressure switches
- Full perimeter base rail with built-in rigging adapters and fork truck slots
- Centralized Terminal Board for component and unit wiring connections

Cabinet

- Access panels with easy grip handles and NO-STRIP screw collar
- Pre-painted exterior panels and primer-coated interior panels tested to 500 hours salt spray protection
- Fully insulated cabinet
- Tool-less filter access door

Refrigerant System

- Acutrol™ refrigerant metering system
- Liquid line filter drier
- Scroll compressors with internal line-break overload protection
- Copper tube, aluminum fin evaporator coil
- Round Copper Tube/Aluminum Plate Fin (RTPF) condenser coil available for size 08 - 12 units
- NOVATION all aluminum condenser coil available for size 08, 12 and 14 units with two-stage cooling capacity
- Removable gauge line plugs for reading refrigerant pressure with unit panels in place

Gas Heat

- IGC solid-state gas heat exchanger control for on-board diagnostics, anti-cycle protection, LED error code designation, burner control logic and energy saving indoor fan motor delay
- Gas efficiencies up to 82%
- Designed in accordance with ANSI Z21.47 (design and test standard for gas furnaces) and ANSI Z233.1 (National Fuel Gas code relating to appliance installation requirements)
- Induced draft combustion
- Redundant gas valve, with up to 2 stages of heating
- Flame roll-out safety protector
- Solid-state electronic direct spark ignition system

Standard Parts Warranty

- 15-year gas heat exchanger parts - stainless Steel
- 10-year gas heat exchanger parts - Aluminized
- 5-year compressor parts
- 3-year NOVATION condenser coil parts
- 1-year RTPF condenser coil parts
- 1-year parts

SUBMITTAL DATA

Job Name Pepsi Bottling Group - Portland
Architect _____
Engineer _____
Contractor NEW ENERGY SOLUTIONS LLC
Unit Designation Office Roof

PERFORMANCE DATA

Unit Operating Weight 940 lb

Cooling

Gross Total Capacity: 114.0 MBH Btuh

at Condenser Air Temperature 95 °F

Gross Sensible Capacity: _____ Btuh

Compressor Power Input: 12.9 kW

Indoor Entering db 80 °F wb 67 °F

Airflow 4500 External Static Pressure .34 in.wg

Indoor Fan Motor Size _____ Hp

Exhaust Fan Motor Size N/A Hp

Curb Weight 135 ~~900~~ lb

Heating

Heating Capacity:

Stage 1 147 OUT PUT Btuh

Stage 2 184 OUT PUT Btuh

Heating Capacity Total _____ Btuh

Stage 1 _____ kW

Stage 2 _____ kW

Heating Capacity Total _____ kW

ELECTRICAL DATA

Power Supply to Unit _____ Volts 208/230 Phase 3 60 Hz

Minimum Circuit Amps 53.5 Maximum Overcurrent Protection 60

OPTIONS AND ACCESSORIES

FACTORY-INSTALLED OPTIONS (FIOPs)

- Open protocol RTU-MP controller communicates to LON, MODBUS, BACNET and Johnson N2 protocols.
- Through the base connectors for gas and electric conduit/piping
- Stainless steel gas heat exchanger (includes tubes, vestibule plate and collector box)
- Economizer with dry bulb sensing and barometric relief
- Economizer with enthalpy sensing and barometric relief
- 2 position motorized outdoor air damper
- Non-fused disconnect
- Powered 115-volt convenience outlet
- Non-powered 115-volt convenience outlet
- High static evaporator fan motor
- Return Air smoke detector
- Supply Air smoke detector
- CO₂ sensor
- Condenser hail guard - louvered style

OPTIONAL WARRANTIES

- Complete Unit Parts only up to 5 years
 - Complete Unit Parts and Labor up to 5 years
- Many other optional warranties are available. See the *Commercial Start-Up and Optional Extended Warranty Price* price pages for further information.

FIELD INSTALLED ACCESSORIES

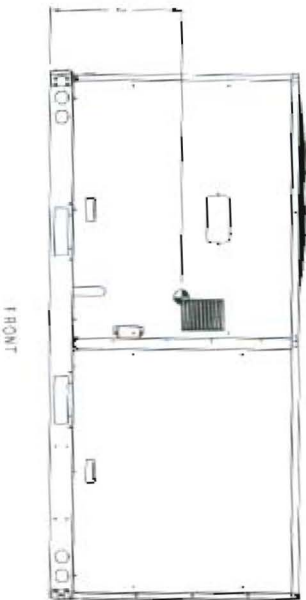
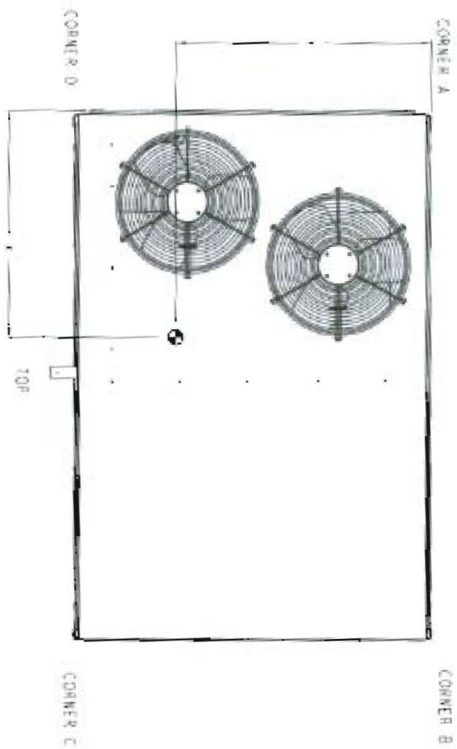
- Economi\$er™ IV-electromechanical, gear driven with Belimo actuator (2-10v DC signal) and controller
- Economi\$er™ 2-compatible with DDC controls; gear driven with Belimo actuator (4-20mA) signal and no controller
- Power exhaust
- Two-position motorized outdoor air damper
- Manual outdoor air damper 25%
- Manual outdoor air damper 50%
- Roofcurb - 14 inch (356mm) tall
- Roofcurb - 24 inch (610mm) tall
- Thru-the-bottom connections-electrical only
- Thru-the-bottom connections-electrical and gas
- Condenser hail guard - louvered style
- Flue shield
- Flue discharge deflector
- Liquid propane (LP) conversion kit
- High altitude conversion kit
- Phase monitor (loss of phase/phase reversal)
- Winter start kit, down to 25°F (-4°C)
- Low ambient head pressure controller, down to 0°F (-18°C)
- Low ambient head pressure controller, down to -20°F (-29°C)
- Time Guard II compressor anti-cycle protection

Economizer Sensors

- Single Dry bulb control
- Differential Dry bulb control
- Single enthalpy control
- Differential enthalpy control
- CO₂ - wall mounted
- CO₂ - duct mounted
- CO₂ - unit mounted

CERTIFIED DIMENSION 580J#08 - 12

UNIT	CORNER A		CORNER B		CORNER C		CORNER D		CORNER E		CORNER F	
	W (IN)	H (IN)	W (IN)	H (IN)	W (IN)	H (IN)	W (IN)	H (IN)	W (IN)	H (IN)	W (IN)	H (IN)
580J-08A	810	367	721	378	704	371	708	387	718	677	378	683
580J-08B	810	367	721	378	704	371	708	387	718	677	378	683
580J-12A	865	418	776	425	759	418	763	434	773	724	425	729
580J-12B	865	418	776	425	759	418	763	434	773	724	425	729
580J-12C	865	418	776	425	759	418	763	434	773	724	425	729
580J-12D	865	418	776	425	759	418	763	434	773	724	425	729



DATE	REV	REVISION	DESCRIPTION	DATE
11-24-08		10-21-08	580J 08-12 SINGLE TONE ELECTRICAL COOLING WITH GAS HEAT	

580J

CORNER