

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND BUILDING PERMIT

This is to certify that BAYSIDE MAINE LLC

Located At 645 CONGRESS ST

Job ID: 2011-03-661-HVAC

CBI: 046 - - D - 022 - 001 - - - -

has permission to Install Carrier Chiller To Roof

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

[Signature]
Fire Prevention Officer

[Signature] 5/5/11
Code Enforcement Officer / Plan Reviewer

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



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Director of Planning and Urban Development
Penny St. Louis

Job ID: 2011-03-661-HVAC

Located At: 645 CONGRESS

CBL: 046 - - D - 022 - 001 - - - -

Conditions of Approval:

Zoning

1. This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
2. ANY exterior work requires a separate review and approval thru Historic Preservation. This property is located within an Historic District.
3. The maximum noise allowances under the B-3 Zone must be maintained. Any violations of the noise allowances will be strictly enforced. Mitigating measure will be required to bring the unit into compliance.

Building

1. All conditions on previous approval apply.

Fire

1. All conditions on previous approval apply.

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

1. Final inspection at completion of work

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.

City of Portland, Maine - Building or Use Permit Application

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

Job No: 2011-03-661-HVAC #2011-2782 2 nd chiller permit	Date Applied: 4/14/2011	CBL: 046 - - D - 022 - 001 - - - - -	
Location of Construction: 645 CONGRESS ST	Owner Name: BAYSIDE MAINE LLC	Owner Address: 477 CONGRESS ST STE 1012 PORTLAND, ME - MAINE 04101	Phone:
Business Name:	Contractor Name: AAA Energy Services	Contractor Address: 4 Commercial Rd, POBox 908, Scarborough, ME	Phone: (207) 883-1473
Lessee/Buyer's Name:	Phone:	Permit Type: HVAC - HVAC	Zone: B-3
Past Use: 1 st floor retail & services with apartments above	Proposed Use: Same: 1 st floor retail & services with apartments above - to add a roof chiller	Cost of Work: \$11000.00	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved/conditions <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: M/R Type: Chiller Signature: JMB
Proposed Project Description: Add Chiller at Roof		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>	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetlands <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan <input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM Date: <i>ok with conditions</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	Historic Preservation <i>within</i> <input type="checkbox"/> Not in Dist or Landmark <input type="checkbox"/> Does not Require Review <input type="checkbox"/> Requires Review <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>3/31/11</i> <i>D. Andrews</i>
	CERTIFICATION <i>4/14/11</i>		

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	PHON



SUBMITTAL

Project

~Untitled27

Date

General Contractor

Mechanical Contractor

Mechanical Engineer

Table Of Contents

Project: ~Untitled27
Prepared By:

01/25/2011
02:23PM

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60 ton

Project: ~Untitled27
Prepared By:

01/25/2011
02:23PM

60 ton

**Tag Cover Sheet
Unit Report
Certified Drawing
Wiring Diagram
Performance Report
Acoustic Summary
Detailed Performance Output Report**

Unit Report For 60 ton

Project: ~Untitled27
Prepared By:

01/25/2011
02:23PM

Unit Information

Tag Name:..... **60 ton**
 Model Number:..... **30RAP060**
 Condenser Type:..... **Air Cooled**
 Compressor Type:..... **Scroll**
 Nameplate Voltage:..... **208/230-3-60** V-Ph-Hz
 Quantity:..... **1**
 Manufacturing Source:..... **Charlotte, NC USA**
 Refrigerant:..... **R410A**
 Independent Refrigerant Circuits:..... **2**
 Capacity Control Steps:..... **4**
 Minimum Capacity:..... **25.0** %
 Shipping Weight:..... **2924** lb
 Operating Weight:..... **2719** lb
 Unit Length:..... **89** in
 Unit Width:..... **93** in
 Unit Height:..... **79** in

Accessories and Installed Options

Cooler Heater
 Micro Channel, E-Coat
Ultra Low Sound
 Single Pump, 7.5 HP
 Low Sound Compressor Blankets
 Vibration Isolation Package

Warranty Information (Note: for US & Canada only)

First Year - Parts Only (Standard)
 Compressor Years 2-5 Parts & Carrier CCS Labor

Ordering Information

Part Number	Description	Quantity
30RAP0605K-70100	Packaged Chiller	1
	Base Unit	
	Cooler Heater	
	Micro Channel, E-Coat	
	Ultra Low Sound	
	Single Pump, 7.5 HP	
38AP-900--009	Low Sound Compressor Blankets	4
30RA-900--005	Vibration Isolation Package	1

Certified Drawing for 60 ton

Project: ~Untitled27
Prepared By:

01/25/2011
02:23PM

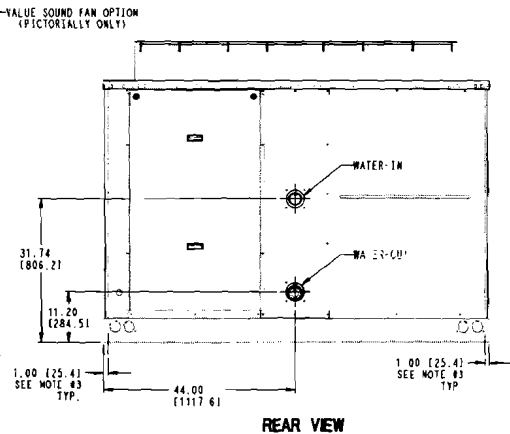
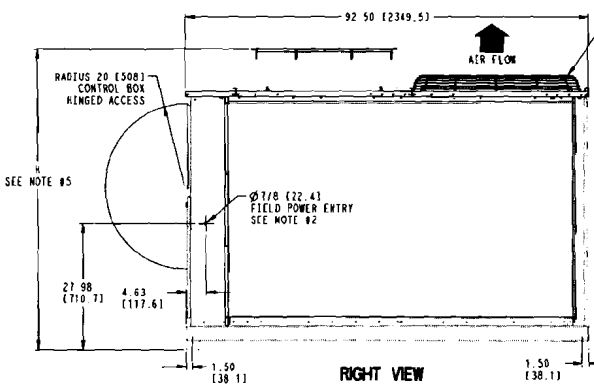
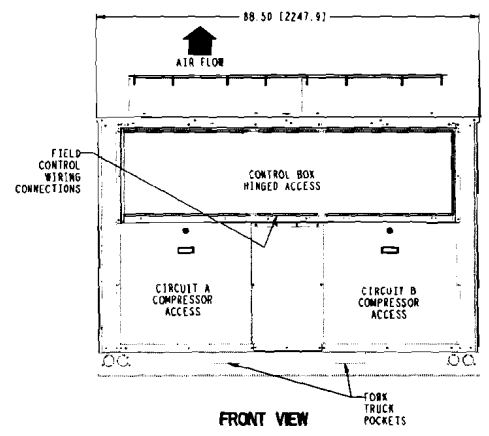
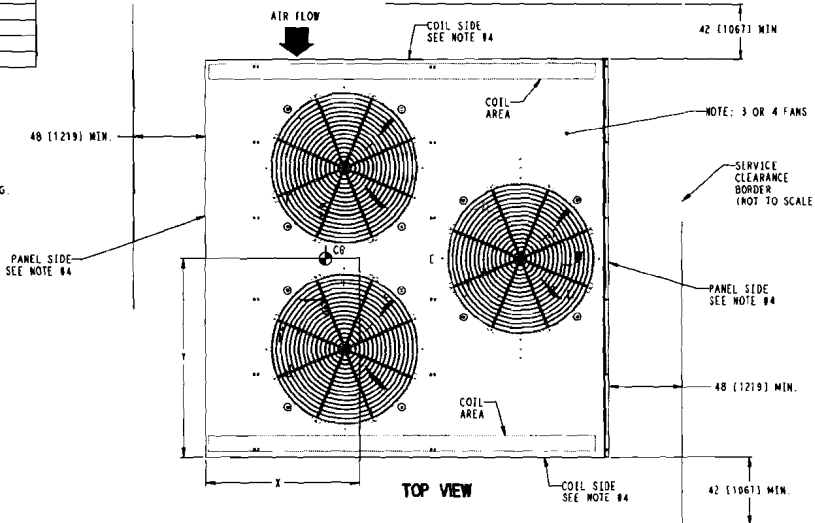
UNIT	CENTER OF GRAVITY		UNIT HEIGHT		VICTAULIC CONNECTIONS	
	X	Y	H (STANDARD)	H (VALUE SOUND)	WATER IN/OUT	
30RA035	36.45 (926.1)	46.08 (1170.7)	66.5 (1689.1)	61.0 (1549.1)	2-1/2"	
30RA040	36.24 (921.1)	44.03 (1118.1)	66.5 (1689.1)	61.0 (1549.1)	2-1/2"	
30RA045	36.24 (921.1)	46.15 (1172.2)	78.5 (1994.1)	73.0 (1854.1)	2-1/2"	
30RA050	36.00 (914.1)	44.00 (1117.8)	78.5 (1994.1)	73.0 (1854.1)	2-1/2"	
30RA055	36.48 (927.1)	44.60 (1133.1)	78.5 (1994.1)	73.0 (1854.1)	2-1/2"	
30RA060	36.50 (927.1)	44.56 (1132.2)	78.5 (1994.1)	73.0 (1854.1)	2-1/2"	

UNITED TECHNOLOGIES P.O. BOX 4808
CARRIER INDIANAPOLIS, IN 46201
 THIS DOCUMENT IS THE PROPERTY OF CARRIER CORPORATION AND IS DELIVERED UPON THE EXPRESS CONDITION THAT THE CONTENTS WILL NOT BE DISCLOSED OR USED WITHOUT CARRIER CORPORATION'S WRITTEN CONSENT. SUBMISSION OF THESE DRAWINGS OR DOCUMENTS DOES NOT CONSTITUTE PART PERFORMANCE OR ACCEPTANCE OF CONTRACT.

NOTES

1. DO NOT CAP OR OTHERWISE OBSTRUCT THE LIQUID LINE TEMPERATURE RELIEF.
2. \varnothing 7/8 (22.4) PILOT HOLE PROVIDED FOR LOCATING FIELD POWER WIRING. ACTUAL HOLE REQUIRED DEPENDS ON FIELD WIRE SIZING.
3. \varnothing 0.437 (11.10) HOLE USED FOR MOUNTING UNIT.
4. UNIT MUST HAVE CLEARANCES AS FOLLOWS:
 TOP - DO NOT RESTRICT
 COIL SIDE - 42 (1067) FROM SOLID SURFACE.
 PANEL SIDE - 48 (1219) PER NEC.
5. SEE TABLE COLUMN H; DIMENSION FOR STANDARD FAN OR VALUE SOUND FAN OPTION.
6. CARRIER DOES NOT RECOMMEND INSTALLATION IN A PIT.
7. UNIT CAN BE HANDLED USING THE FORK TRUCK LIFT POCKETS (MINIMUM OF 60" FORK LENGTH).
8. WATER CONNECTIONS RECESSED 4-1/2 INCHES INSIDE UNIT.

DIMENSIONS IN () ARE IN MILLIMETERS



DATE 08/20/13	SUPERVISOR -	UNIT ASSY	30RA55556	REV 1.5
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Field Wiring Diagram for 60 ton

Project: ~Untitled27
Prepared By:

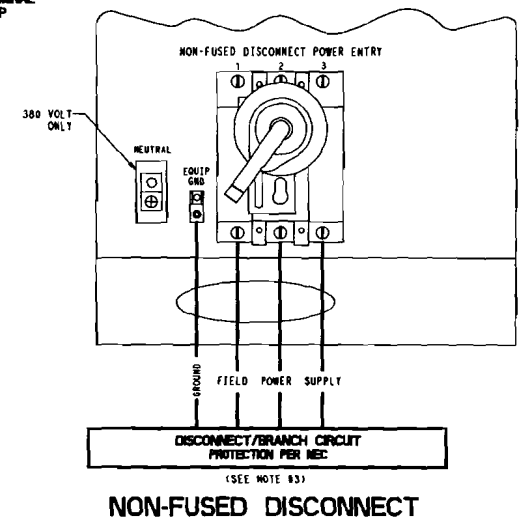
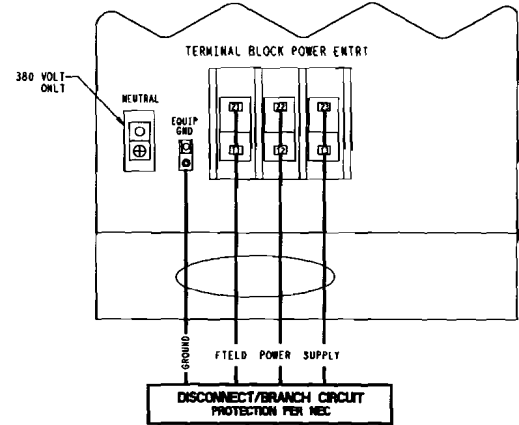
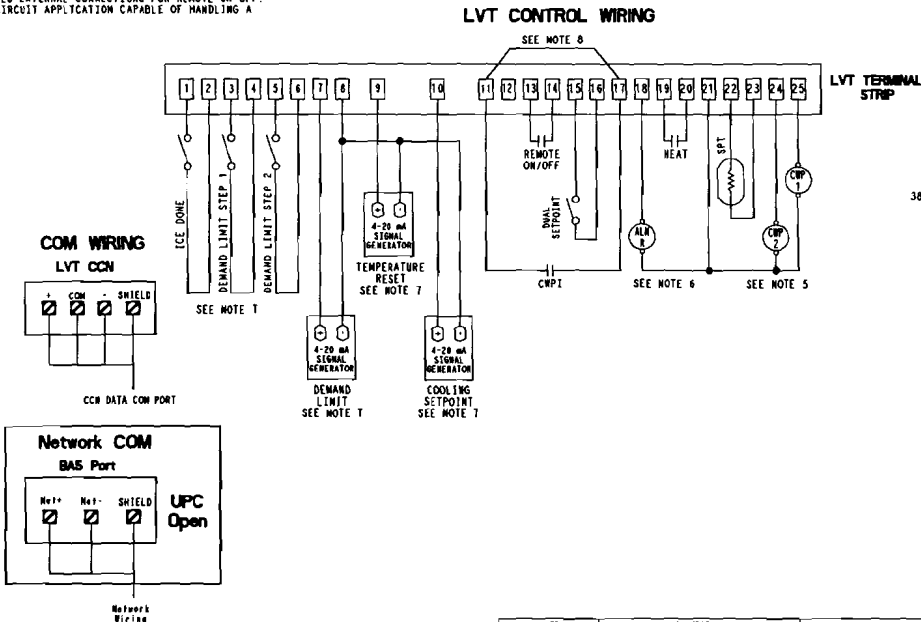
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- NOTES:**
1. FACTORY WIRING IS IN ACCORDANCE WITH UL 1995 STANDARDS. FIELD MODIFICATIONS OR ADDITIONS MUST BE IN COMPLIANCE WITH ALL APPLICABLE CODES.
 2. ALL UNITS OR MODULES HAVE SINGLE POINT PRIMARY POWER CONNECTION. MAIN POWER MUST BE SUPPLIED FROM A FIELD OR FACTORY SUPPLIED DISCONNECT.
 3. WIRING FOR WATH FIELD SUPPLY MUST BE RATED TSC. USE COPPER CONDUCTORS ONLY.
 - a. INCOMING WIRE SIZE RANGE FOR TERMINAL BLOCK WITH MCA UP TO 175 AMPS IS 14 AWG (AMERICAN WIRE GAGE) TO 2/0.
 - b. INCOMING WIRE SIZE RANGE FOR TERMINAL BLOCK WITH MCA FROM 175.1 AMPS TO 420 AMPS IS 2 AWG (AMERICAN WIRE GAGE) TO 600 KCMIL.
 - c. INCOMING WIRE SIZE RANGE FOR NON-FUSED DISCONNECT WITH MCA UP TO 100 AMPS IS 14 AWG (AMERICAN WIRE GAGE) TO 1/0.
 - d. INCOMING WIRE SIZE RANGE FOR NON-FUSED DISCONNECT WITH MCA FROM 100.1 AMPS TO 200 AMPS IS 6 AWG (AMERICAN WIRE GAGE) TO 350 KCMIL.
 - e. INCOMING WIRE SIZE RANGE FOR NON-FUSED DISCONNECT WITH MCA FROM 200.1 AMPS TO 450 AMPS IS 3/0 TO 500 KCMIL.
 4. REFER TO CERTIFIED DIMENSIONAL DRAWINGS FOR EXACT LOCATIONS OF THE MAIN POWER AND CONTROL POWER ENTRANCE LOCATIONS.
 5. TERMINALS 21 AND 25 OF THE LVT ARE FOR CONTROL OF CHILLED WATER PUMP1 (CWP1) STARTER. TERMINALS 21 AND 24 OF THE LVT ARE FOR CONTROL OF CHILLED WATER PUMP2 (CWP2) STARTER. THE MAXIMUM LOAD ALLOWED FOR THE CHILLED WATER PUMP RELAT IS 5 VA SEALED, 10 VA INRUSH AT 24 V. FIELD POWER SUPPLY IS NOT REQUIRED.
 6. TERMINALS 18 AND 21 OF LVT ARE FOR AN ALARM RELAY. THE MAXIMUM LOAD ALLOWED FOR THE ALARM RELAY IS 5 VA SEALED, 10 VA INRUSH AT 24V. FIELD POWER SUPPLY IS NOT REQUIRED.
 7. MAKE APPROPRIATE CONNECTIONS TO LVT AS SHOWN FOR ENERGY MANAGEMENT BOARD OPTIONS. THE CONTACTS FOR DEMAND LIMIT AND ICE DOME OPTIONS MUST BE RATED FOR DRY CIRCUIT APPLICATION CAPABLE OF HANDLING A 24VAC LOAD UP TO 50 MA. INSTALLATION OF OPTIONAL ENERGY MANAGEMENT BOARD REQUIRED.
 8. REMOVE JUMPER BETWEEN TERMINALS 11 AND 17 WHEN FIELD CWP1 IS INSTALLED.
 9. TERMINALS 13 & 14 OF TBS ARE FOR FIELD EXTERNAL CONNECTIONS FOR REMOTE ON-OFF. THE CONTACTS MUST BE RATED FOR DRY CIRCUIT APPLICATION CAPABLE OF HANDLING A 24VAC LOAD UP TO 50MA.

UNITED TECHNOLOGIES SYMCOHE, NY P.O. BOX 4840 13921
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- LEGEND:**
- ALN R - ALARM RELAY (24V) 5 VA MAX
 - AWG - AMERICAN WIRE GAUGE
 - CWP - CHILLED WATER PUMP
 - CWPI - CHILLED WATER PUMP INTERLOCK
 - EMM - ENERGY MANAGEMENT MODULE
 - LVT - LOW VOLTAGE TERMINAL STRIP
 - SPT - SPACE TEMPERATURE

- FIELD POWER WIRING
- FIELD CONTROL WIRING
- FACTORY INSTALLED WIRING
- FACTORY INSTALLED OPTION



DATE	SUPERSEDES	30RAP010-060 ELECTRICAL	30RA555560	REV
10/20/10	04-22-10			C

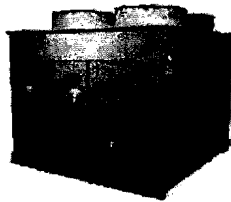
Summary Performance Report For 60 ton

Project: ~Untitled27
Prepared By:

01/25/2011
02:23PM



AquaSnap™ Air-Cooled Scroll Chiller



Unit Information

Tag Name: **60 ton**
 Model Number: **30RAP060**
 Quantity: **1**
 Manufacturing Source: **Charlotte, NC USA**
 Refrigerant: **R410A**
 Independent Refrigerant Circuits: **2**
 Shipping Weight: **2924 lb**
 Operating Weight: **2719 lb**
 Unit Length: **89 in**
 Unit Width: **93 in**
 Unit Height: **79 in**

Evaporator Information

Fluid Type: **Fresh Water**
 Fouling Factor: **0.00010 (hr-sqft-F)/BTU**
 Leaving Temperature: **44.0 °F**
 Entering Temperature: **54.0 °F**
 Fluid Flow: **132.7 gpm**
 Pressure Drop: **39.2 ft**

Condenser Information

Altitude: **0 ft**
 Number of Fans: **4**
 Total Condenser Fan Air Flow: **38800 CFM**
 Entering Air Temperature: **95.0 °F**

Integrated Pump Information

Dynamic Head At Pump: **101.9 ft**
 Internal Chiller Head Loss: **39.2 ft**
 Dynamic Head External To Chiller: **62.7 ft**

Performance Information

Cooling Capacity: **55.5 Tons**
 Total Compressor Power: **61.8 kW**
 Total Fan Motor Power: **5.36 kW**
 Pump Power: **5.68 kW**
 Total Unit Power (without pump): **67.1 kW**
 Total Unit Power (with pump): **72.8 kW**
 Efficiency (without pump): **9.92 EER**
 A-Weighted Sound Power Level: **88 dbA**

Accessories and Installed Options

- Cooler Heater
- Micro Channel, E-Coat
- Ultra Low Sound
- Single Pump, 7.5 HP
- Low Sound Compressor Blankets
- Vibration Isolation Package

Electrical Information

Unit Voltage: **208/230-3-60 V-Ph-Hz**
 Connection Type: **Single Point**

Amps	Electrical Circuit 1	Electrical Circuit 2
MCA	279.7	---
MOCP	300.0	---
ICF	525.9	---

All performance efficiency data are without pump.

Certified in accordance with the AHRI Water-Chilling Packages using the Vapor Compression Cycle Certification Program, which is based on AHRI Standard 550/590-2003.

Sound power measured in accordance with ANSI/AHRI Standard 370-2001.

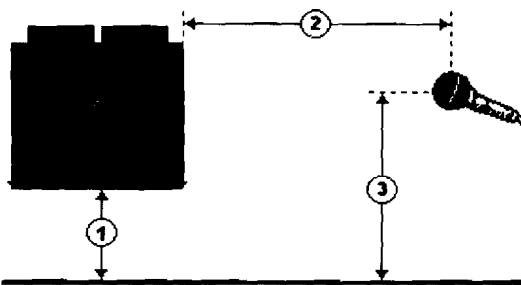
Acoustic Summary For 60 ton

Project: ~Untitled27
Prepared By:

01/25/2011
02:23PM

Unit Parameters

Tag Name:	60 ton	
Model Number:	30RAP060	
Condenser Type:	Air Cooled	
Compressor Type:	Scroll	
Chiller Nameplate Voltage:	208/230-3-60	V-Ph-Hz
Quantity:	1	
Manufacturing Source:	Charlotte, NC USA	
Refrigerant:	R410A	
Shipping Weight:	2924	lb
Operating Weight:	2719	lb
Unit Length:	89	in
Unit Width:	93	in
Unit Height:	79	in



- 1 - Chiller Height Above Ground
- 2 - Horizontal Distance From Chiller to Receiver
- 3 - Receiver Height Above Ground

Accessories and Installed Options

Cooler Heater	
Micro Channel, E-Coat	Single Pump, 7.5 HP
Ultra Low Sound	38AP-900---009
	30RA-900---005

Acoustic Information (Full Load)

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Total
Sound pressure at specified distance in a free field, dB	43	55	55	52	53	53	48	43	36	61
A-Weighted Sound Pressure Level, dBA	4	28	39	44	49	53	49	44	35	56
Sound Power at Chiller Acoustic Center, dB	75	87	87	84	85	85	80	75	68	93
A-Weighted Sound Power, dBA	36	60	71	76	82	85	81	76	67	88

Notes

- 1 - Chiller Height Above Ground = 0.0 ft
- 2 - Horizontal Distance From Chiller to Receiver = 50.0 ft
- 3 - Receiver Height Above Ground = 0.0 ft
- Estimated Sound Power levels - dB re: 1 picowatt
- Estimated Sound Pressure levels - dB re: 20 micropascal
- Estimated sound levels given above are assumed to originate at the acoustic center of the chiller.

Sound pressure level data used to develop this program was determined in accordance with AHRI Standard 575 for water chillers in a free field and ANSI/AHRI Standard 370 for air cooled chillers.

Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the AHRI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Detailed Performance Summary For 60 ton

Project: ~Untitled27
Prepared By:

01/25/2011
02:23PM

Unit Information

Tag Name:..... **60 ton**
 Model Number:..... **30RAP060**
 Condenser Type:..... **Air Cooled**
 Compressor Type:..... **Scroll**
 Nameplate Voltage:..... **208/230-3-60** V-Ph-Hz
 Quantity:..... **1**
 Manufacturing Source:..... **Charlotte, NC USA**
 Refrigerant:..... **R410A**
 Capacity Control Steps:..... **4**
 Minimum Capacity:..... **25.0** %
 Shipping Weight:..... **2924** lb
 Operating Weight:..... **2719** lb
 Unit Length:..... **89** in
 Unit Width:..... **93** in
 Unit Height:..... **79** in
 Minimum Outdoor Operating Temp:..... **32** °F

Performance Information

Cooling Capacity:..... **55.5** Tons
 Total Compressor Power:..... **61.8** kW
 Total Fan Motor Power:..... **5.36** kW
 Pump Power:..... **5.68** kW
 Total Unit Power (without pump):..... **67.1** kW
 Total Unit Power (with pump):..... **72.8** kW
 Efficiency (without pump):..... **9.92** EER

Acoustics Information

A-Weighted Sound Power Level:..... **88** dbA

Evaporator Information

Fluid Type:..... **Fresh Water**
 Fouling Factor:..... **0.00010** (hr-sqft-F)/BTU
 Leaving Temperature:..... **44.0** °F
 Entering Temperature:..... **54.0** °F
 Fluid Flow:..... **132.7** gpm
 Pressure Drop:..... **39.2** ft

Condenser Information

Altitude:..... **0** ft
 Number of Fans:..... **4**
 Total Condenser Fan Air Flow:..... **38800** CFM
 Entering Air Temperature:..... **95.0** °F

Electrical Information

Unit Voltage:..... **208/230-3-60** V-Ph-Hz
 Connection Type:..... **Single Point**

Amps	Electrical Circuit 1	Electrical Circuit 2
MCA	279.7	---
MOCP	300.0	---
ICF	525.9	---

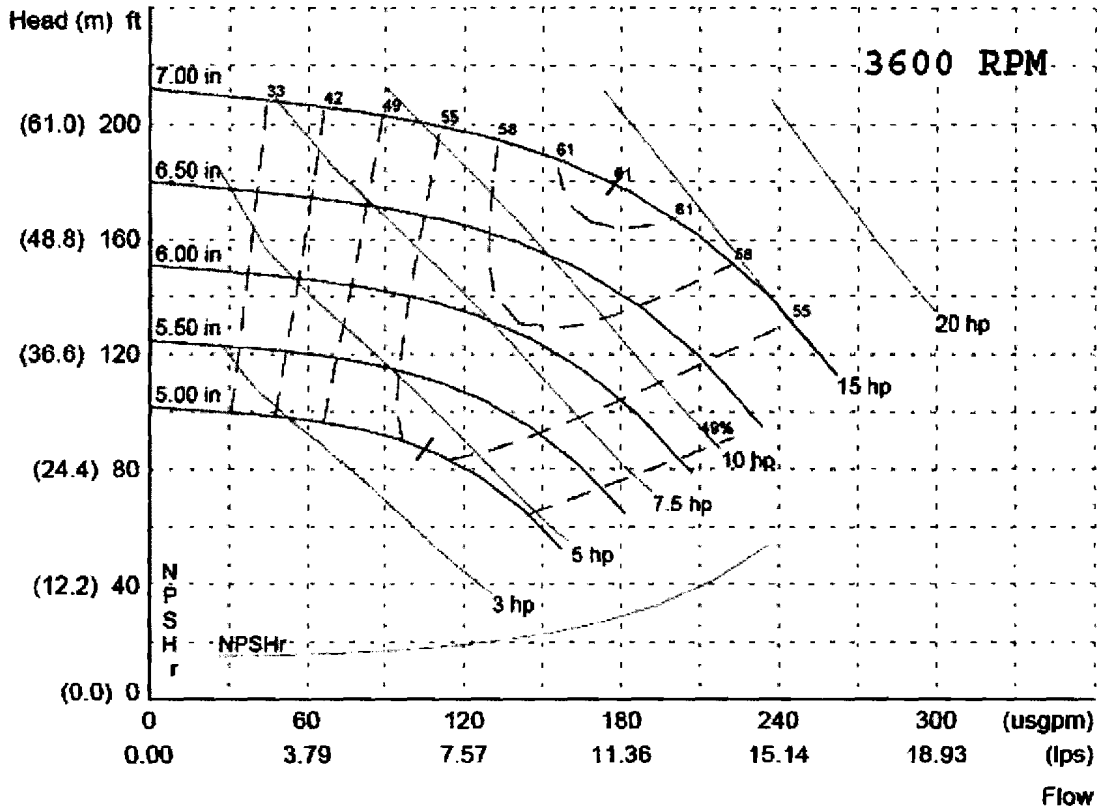
Integrated Pump Information

Dynamic Head At Pump:..... **101.9** ft
 Internal Chiller Head Loss:..... **39.2** ft
 Dynamic Head External To Chiller:..... **62.7** ft

Detailed Performance Summary For 60 ton

Project: ~Untitled27
Prepared By:

01/25/2011
02:23PM



Accessories and Installed Options

- Cooler Heater
- Micro Channel, E-Coat
- Ultra Low Sound
- Single Pump, 7.5 HP
- Low Sound Compressor Blankets
- Vibration Isolation Package

Integrated Part Load Value (ARI)

IPLV: 14.28 EER

Unit Performance				
Percent of Full Load Capacity, %	100	75	50	25
Percent of Full Load Power, %	100.0	69.8	52.2	24.9
Unloading Sequence	A	A	A	A
Cooling Capacity, Tons	55.5	41.6	27.7	13.9
Total Unit Power, kW	67.1	46.8	35.0	16.7
Efficiency, EER	9.92	13.50	15.16	14.08
Evaporator Data				
Fluid Entering Temperature, °F	54.0	51.5	49.0	46.5
Fluid Leaving Temperature, °F	44.0	44.0	44.0	44.0
Fluid Flow Rate, gpm	133.1	133.1	133.1	133.1
Fouling Factor, (hr-sqft-F)/BTU	0.0001	0.0001	0.0001	0.0001
Condenser Data				
Entering Air Temperature, °F	95.0	80.0	65.0	55.0

Detailed Performance Summary For 60 ton

Project: ~Untitled27
Prepared By:

01/25/2011
02:23PM

For some 75% operating points, the efficiency may be calculated at a condenser inlet air operating temperature as much as 0.8 degrees higher.

All performance efficiency data are without pump.

Certified in accordance with the AHRI Water-Chilling Packages using the Vapor Compression Cycle Certification Program, which is based on AHRI Standard 550/590-2003.

Sound power measured in accordance with ANSI/AHRI 370-2001.

Job Summary Report
Job ID: 2011-03-661-HVAC

201-2782

Report generated on Apr 14, 2011 3:43:34 PM

Job Type:	HVAC	Job Description:	Add Chiller at Roof	Job Year:	2011
Building Job Status Code:	Approved	Pin Value:	959	Tenant Name:	
Job Application Date:		Public Building Flag:	N	Tenant Number:	
Estimated Value:	11,000	Square Footage:			
Related Parties:		MAINE BAYSIDE		<i>Property Owner</i>	
		AAA ENERGY SERVICE CO - AAA CO		<i>PLUMBING CONTRACTOR</i>	
		FAVREAU ELECTRIC INC. - Neil FAVREAU		<i>ELECTRICAL CONTRACTOR</i>	
		AAA ENERGY SERVICE CO. - AAA ENERGY SERVICE CO.		<i>MECHANICAL CONTRACTOR</i>	
		AAA ENERGY SERVICE CO.			

Job Charges

Fee Code Description	Charge Amount	Permit Charge Adjustment	Net Charge Amount	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Net Payment Amount	Outstanding Balance
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Location ID: 7344

Location Details

Alternate Id	Parcel Number	Census Tract	GIS X	GIS Y	GIS Z	GIS Reference	Longitude	Latitude
977810	046 D 022 001		M				-70.265518	43.653883

Location Type	Subdivision Code	Subdivision Sub Code	Related Persons	Address(es)
1				645 CONGRESS STREET WEST

Location Use Code	Variance Code	Use Zone Code	Fire Zone Code	Inside Outside Code	District Code	General Location Code	Inspection Area Code	Jurisdiction Code
		DOWNTOWN BUSINESS			Historic District		DISTRICT 3	CENTRAL BUSINESS DISTRICT

Structure Details

Structure: Loc id 000046388 Alt id 977810

Occupancy Type Code:

Structure Type Code	Structure Status Type	Square Footage	Estimated Value	Address
Commerical Mixed Use	6	0		645 CONGRESS STREET WEST

Longitude	Latitude	GIS X	GIS Y	GIS Z	GIS Reference
0	0	M			

User Defined Property Value

Abstract fees pd
Unrecorded
Not in Que

Job Summary Report
Job ID: 2011-03-661-HVAC

Report generated on Apr 14, 2011 3:43:34 PM

Structure: Loc id 000051058 Alt id 977810										
Occupancy Type Code:										
Structure Type Code	Structure Status	Type	Square Footage	Estimated Value	Address					
CONVERSION	6		0		645 CONGRESS STREET WEST					
Longitude	Latitude	GIS X	GIS Y	GIS Z	GIS Reference	User Defined Property				Value
0	0	M								

Permit #: 20112158

Permit Data								
Location Id	Structure Description	Permit Status	Permit Description	Issue Date	Reissue Date	Expiration Date		
7344	Ground Floor Retail Upper floors living space	Final Insp Comp	add Chiller To roof	4/7/11		10/4/11		
Inspection Details								
Inspection Id	Inspection Type	Inspection Result Status	Inspection Status Date	Scheduled Start Timestamp	Result Status Date	Final Inspection Flag		
Fees Details								
Fee Code Description	Charge Amount	Permit Charge Adjustment	Permit Charge Adj Remark	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Payment Adj Comment
Historic Review - Administrative	\$50.00			3/24/11	2159	\$50.00		
Job Valuation Fees	\$130.00			3/24/11	2159	\$30.00		
Job Valuation Fees	\$130.00			4/7/11	2531	\$100.00		

Permit #: 20112168

Permit Data								
Location Id	Structure Description	Permit Status	Permit Description	Issue Date	Reissue Date	Expiration Date		
7344	Ground Floor Retail Upper floors living space	Initialized	Chiller On Roof					
Inspection Details								
Inspection Id	Inspection Type	Inspection Result Status	Inspection Status Date	Scheduled Start Timestamp	Result Status Date	Final Inspection Flag		
Fees Details								
Fee Code Description	Charge Amount	Permit Charge Adjustment	Permit Charge Adj Remark	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Payment Adj Comment
Electric Commercial	\$55.00			3/25/11	2170	\$55.00		

Job Summary Report
Job ID: 2011-03-661-HVAC

Report generated on Apr 14, 2011 3:43:34 PM

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Fee Code Description	Charge Amount	Permit Charge Adjustment	Permit Charge Adj Remark	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Payment Adj Comment
Permit Fee								

Permit #: 20112782

Permit Data						
Location Id	Structure Description	Permit Status	Permit Description	Issue Date	Reissue Date	Expiration Date
7344	Ground Floor Retail Upper floors living space	Initialized	install Carrier Chiller To Roof			

Inspection Details						
Inspection Id	Inspection Type	Inspection Result Status	Inspection Status Date	Scheduled Start Timestamp	Result Status Date	Final Inspection Flag

Fees Details								
Fee Code Description	Charge Amount	Permit Charge Adjustment	Permit Charge Adj Remark	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Payment Adj Comment
HVAC Permit Fee	\$860.00							



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 645 Congress St Use of Building _____ Date 4-12-11
 Name and address of owner of appliance BAYSIDE MAINE LLC 477 CONGRESS ST
PORTLAND ME 04101
 Installer's name and address AAT Energy Service Co 4 Commercial Rd
Po Box 908 Sebucorough Me Telephone 207-883-1473

Location of appliance:

- Basement Floor
 Attic Roof

Type of Fuel:

- Gas Oil Solid

Appliance Name: CARRIER CHILLER

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 # _____
 Other Ref 039400501

Type of Chimney:

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

Type of Fuel Tank

- Oil
 Gas

Size of Tank NA

Number of Tanks NA

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 33,397.00

Permit Fee: \$ 860

Approved

Approved with Conditions

Fire: _____

Ele.: _____

Bldg.: _____

- See attached letter or requirement

Inspector's Signature

Date Approved

Signature of Installer [Signature]



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, cooling or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location / City: 645 Congress St Use of Building: _____ Date: 4-12-11
 Name and address of owner of appliance: BAYSIDE MAINE LLC 477 CONGRESS ST
PORTLAND ME 04101
 Installer's name and address: AAA Energy Service Co 4 Commercial Rd
Portland 04103 Telephone: 207-883-1473

Location of appliance:
 Basement Floor
 Attic Roof

Type of Fuel:
 Gas Oil Solid

Appliance Name: CARRIER CHILLER
 U.L. Approved Yes No

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

IF NO Explain: _____

Type of Chimney:
 Masonry Lined
 Factory built NA
 Metal
 Factory Built U.L. Listing # _____
 Direct Vent
 Type _____ U.L.# _____

Type of Fuel Tank
 Oil
 Gas

Size of Tank NA

Number of Tanks 1

Distance from Tank to Center of Flame _____ feet.

Cost of Work: \$ 33,397.00
 Permit Fee: \$ 860

The Type of License of Installer:
 Master Plumber # _____
 Solid Fuel # _____
 Oil # _____
 Gas # _____
 Other Ref 039400501

Approved

Approved with Conditions

Fire: _____
 Ele.: _____
 Bldg.: _____

See attached letter or requirement

Signature of Installer [Signature]

Inspector's Signature _____ Date Approved _____