

Submittal

Engineer: Allied Engineering

Prepared For: Riverside Mechanical Inc 27 Rebecca Way Falmouth, ME 04105 U.S.A.

Customer P.O. Number: 20155-4350-1

Specification Section: 238126

Date: July 26, 2013

Job Name: Casco Bay Terminal Building

Trane Job Number: A223251

Trane is pleased to provide the enclosed submittal for your review and approval.

Qty Product

1 LG Multi-Split Heat Pump System

Tag(s) CU-1 & HP-1 thru HP-3

The attached information describes the equipment we propose to furnish for this project, and is submitted for your approval.

Jeff Charette

Trane U.S. Inc. dba Trane 860 Spring Street, Unit 1 Westbrook, ME 04092 Phone: (207) 239-3401 Fax: (207) 828-1511

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Product Summary	1
VRV - LG (Item A1)	3
Tag Data	
Product Data	-

Tag Data – LG Multi-Split Heat Pump System (Qty: 1)

Item	Tag(s)	Qty	Model Number
A1	CU-1	1	LMU247HV
A2	HP-1	1	LMDN095HVT
A3	HP-2	1	LMDN095HVT
A4	HP-3	1	LMDN125HV

Product Data - LG Multi-Split Heat Pump System

Item: A1, A2, A3, A4 Tag(s): CU-1/HP-1, HP-2, HP-3

LG Multi-F Heat Pump Mini-split system 2 ton outdoor unit w/ 2 year parts warranty and 5 year compressor parts warranty Indoor units are Multi-zone concealed ducted units w/ 2 year parts warranty

Wired programmable thermostat

sco Bay Terminal Build	ing			
Job Name/Location: Cas	co Bay Ferry Terminal			Tag #: CU-1
Date: 07/26/2013	For	: 🔲 File	Resubmi	
				n
PO No.:		Approval	Other	Churter
Architect:	GC:			
Engr: Allied Engineering	Med	h: Riverside Mech	nanical	
Rep: Trane				
(Company)	(Project	Manager)		
LMU247HV				
	t Pump Outdoor Unit			LG
Performance:				Operating Panger
Capacity (Btu/h)		24,000		Operating Range:
Cooling Power Input (kW)		1.43		Cooling (°F DB)
Heating Power Input (kW)		2.21		Heating (°F WB) Unit Data:
Cooling Nominal Test Conditions:	Heating Nominal Test Conditions:			Unit Data:
Indeer: 80°F DB/67°F WB Outdeer: 95°F DB/75°F WB	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB			Refrigerant Type
Electrical:				Refrigerant Control
Power Supply (V ¹ /Hz/Ø)	208-230	0/60/1		Sound Pressure (±3 dB(A)) ³
MOP (A)	200 250	25		Net Unit Weight (lbs)
MCA (A)		15.4		Shipping Weight (lbs)
Cooling Rated Amps (A)		14.9		Heat Exchanger Coating
Heating Rated Amps (A)		14.9		Min Number of Indoor Units
Compressor (A)		11.6		Max Number of Indoor Units
Fan Motor (A)		0.40		Communication Cable (No. x AW AWG - American Wire Gage
MOP - Maximum Overcurrent Protection	MCA - Minimum Circuit Ampacity			Compressor:
Piping:				Quantity
Refrigerant Charge (lbs)		4.63		Туре
Liquid Line (in, OD)	1/4 (3	Each)		Oil/Type
Vapor Line (in, OD)	3/8 (3	Each)		Fan:
Max Total Piping (ft) ²		246.1		
Max ODU to IDU Piping (ft)		82.0		Туре
Piping Length (no add'l refr	igerant, ft)	73.8		Quantity
Max Elevation between OD	U and IDU (ft)	49.2		Fan Motor/Drive Brushle
Max Elevation between IDU	J and IDU (ft)	24.6		Airflow Rate (CFM)
ODU - Outdoor Unit IDU - Indoor Unit Controls Features:				Notes:
	ow ambient operation to			1.Acceptable operating voltage: 187V-253V. 2.Piping lengths are equivalent.

 Low ambient operation to
14F (cooling mode)
 Restart delay (3-minutes)
 Self diagnosis
 Soft start

Standard Features:

- •Limited Five Year Compressor Warranty
- Limited Two Year Functional Parts Warranty

Optional Accessories:

- PI-485 Integration Board (PMNFP14A0)
- AC Smart II (PQCSW320A1E)
- AC Ez (PQCSZ250S0)



Cooling (°F DB)	14-118
Heating (°F WB)	0-64
Unit Data:	
Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure (±3 dB(A)) ³	51
Net Unit Weight (Ibs)	130.1
Shipping Weight (lbs)	138.8
Heat Exchanger Coating	GoldFin™
Min Number of Indoor Units	2
Max Number of Indoor Units	3
Communication Cable (No. x AWG) ³	4 x 18
AWG - American Wire Gage Compressor:	
Quantity	1
Туре	Twin-Rotary Inverter
Oil/Type	FVC68D
Fan:	
1	

Туре	Propeller
Quantity	1
Fan Motor/Drive	Brushless Digitally Controlled/Direct
Airflow Rate (CFM)	2,119
Notes:	

Piping lengths are equivalent.
 Sound Pressure levels are tested in an anechoic chamber under ISO Standard 1996.
 All communication cable to be minimum 18 AWG, 2-conductor, stranded, shielded and must comply with applicable local and national code.
 See Engineering Manual for sensible and latent capacities.
 6-Power wiring cable size must comply with the applicable local and national code.
 7.This data is rated 0 fs above sea level, with 24.6 ft of refrigerant line and a 0 ft level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95 – 105%.
 8.Must follow installation instructions in the applicable LG installation manual.





System	Combined With	Nominal Cooling Capacity	EER	SEER	Nominal Heating Capacity	СОР	HSPF	Low Heating Capacity	СОР	Energy Star
	Non-Ducted Indoor Units	19,200	13.4	21.7	26,400	3.5	9.4	16,200	2.6	Yes
LMU247HV	Ducted Indoor Units	18,000	11.8	16.4	26,200	3.4	8.5	16,400	2.6	-
	Mixed Ducted & Non-Ducted	18,600	12.6	19.05	26,300	3.5	8.95	16,300	2.6	-

LMU247HV

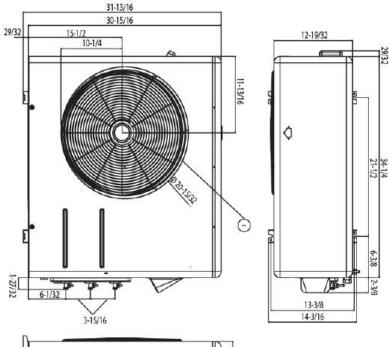
Multi F Inverter Heat Pump Outdoor Unit

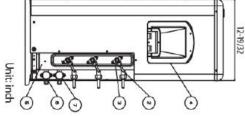


Tag #: CU-1

Date: 07/26/2013

PO No .:





No.	Part Name
-	Air discharge grille
2	Gas pipe connection
ω	Liquid pipe connection
4	Power & transmission connection
S	Earth screw
6	Main service valve(Liquid)
7	Main service valve(Gas)

FLD = Furnished by Trane U.S. Inc. dba Trane / Installed by Others

LMU247HV

Flex Multi Inverter Heat Pump Outdoor Unit



Tag #: CU-1

Date: 07/26/2013

PO No.:

Non-Ducted Indoor Units

Cooling

																	-		
	Cor	mbinatio	on of			Beem	-				Total C	apacity			mart DAD				
	ndoor U	nits (kBt	tu/h Clas	s)		Room	араску		Min Rated					input (w)			EED	SEER	
UNIT	UNIT		UNIT	Total	UNIT-A (Btu/h)	UNIT-B (Btu/h)	UNIT-C (Btu/h)	UNIT-D (Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	LEN	JEEK
9	9		<.	18	8,500	8,500	-	-	10,798	3.16	17,000	4.98	19,800	5.80	1,002	1,349	2,560	12.6	19.0
9	12	-		21	7,586	10,114	-	-	11,100	3.25	17,700	5.19	23,100	6.77	1,044	1,383	2,830	12.8	19.0
12	12	-		24	9,600	9,600	-	-	11,400	3.34	19,200	5.63	25,500	7.47	1,194	1,469	3,090	13.1	19.0
9	18	-		27	6,400	12,800	-	-	11,400	3.34	19,200	5.63	27,500	8.06	1,284	1,469	3,090	13.1	19.0
12	18			30	7,680	11,520		-	11,400	3.34	19,200	5.63	27,500	8.06	1,284	1,469	3,090	13.1	19.0
9	9	9	-	27	6,400	6,400	6,400	6,400	11,700	3.43	19,200	5.63	28,800	8.44	1,200	1,431	3,050	13.4	21.7
9	9	9	-	30	5,760	5,760	7,680	7,680	11,700	3.43	19,200	5.63	28,800	8.44	1,200	1,431	3,050	13.4	21.7
9	12	12	-	33	5,236	6,982	6,982	6,982	11,700	3.43	19,200	5.63	28,800	8.44	1,200	1,431	3,050	13.4	21.7
	UNIT A 9 12 9 12 9 12 9 9	Hadoor U UNIT UNIT A B 9 9 12 12 12 18 12 18 9 9	Hadoor Units (kB) UNIT UNIT UNIT A B C 9 9 - 9 12 - 12 12 - 9 18 - 12 18 - 9 9 9 9 9 9 9 9	UNIT UNIT UNIT UNIT A B C D 9 9 - - 9 12 - - 12 12 - - 9 18 - - 12 18 - - 9 9 9 9 -	Indecor Units (kBtu/h Class) UNIT UNIT UNIT UNIT A B - - 18 9 9 - - 18 9 12 - - 21 12 12 - - 24 9 18 - - 27 12 18 - - 30 9 9 9 - 27 9 9 9 9 30	Indeor Units (kBtu/h Class) UNIT UNIT	Indeor Units (kBtu/h Class) Room 0 UNIT UNIT UNIT UNIT UNIT UNIT-8 (Btu/h) UNIT-8 (Btu/h) A B - 18 8,500 8,500 9 12 - - 21 7,586 10,114 12 12 - - 24 9,600 9,600 9 18 - - 27 5,400 12,800 12 18 - - 30 7,680 11,520 9 9 9 - 23 5,400 6,480 9 9 9 - 30 5,760 5,760	Room Capacity UNIT UNIT UNIT UNIT UNIT Class) Room Capacity UNIT UNIT UNIT UNIT UNIT UNIT-R UNIT-R UNIT-C (Btu/h) (Btu/h)	Hadoor Units (kBtu/h Class) Room Capacity UNIT UNIT-6 UNIT-6 UNIT-6 UNIT-0 (Btu/h) (Btu/h)	Room Capacity UNIT Btu/h Btu/h Btu/h 9 9 - - 18 8,500 8,500 - - 10,798 9 12 - - 21 7,586 10,114 - - 11,400 12 12 - - 27 \$400 12,800 - - 11,400 12 18 - - 30 7,680 11,520 - - 11,400 12 18 - 30 5,760 5,760 5,400 11,700 9 9 9 - 30 5,760	Room Capacity Min UNIT UNIT UNIT UNIT UNIT UNIT Min Min A B C D Total (Btu/h) (Btu/h) (Btu/h) (Btu/h) (Btu/h) (Btu/h) (Btu/h) (Btu/h) Btu/h kW 9 9 - - 18 8,500 8,500 - 10,798 3.16 9 12 - - 21 7,586 10,114 - - 11,100 3.25 12 12 - - 27 5,400 12,800 - - 11,400 3.34 9 18 - 20 7,680 11,520 - - 11,400 3.34 9 9 9 - 27 6,400 6,780 6,400 11,700 3.43 9 9 9 - 30 5,760 5,760 5,680 7,680 11,700<	Hadoor Units (kBtu/h Class) Room Capacity Min Rat UNIT UNIT UNIT UNIT-R UNIT-A UNIT-B UNIT-C UNIT-C UNIT-D Btu/h kW Btu/h 9 9 - - 18 8,500 - 10,798 3.16 17,000 9 12 - - 21 7,586 10,114 - - 11,100 3.25 17,700 12 12 - - 21 7,586 10,114 - - 11,400 3.34 19,200 9 18 - - 27 6,400 12,800 - - 11,400 3.24 19,200 12 18 - - 30 7,680 11,520 - - 11,400 3.44 19,200 12 18 - - 30 5,760 5,760 5,600 6,400 11,700 3.43 19,200 <td< td=""><td>Hadoor Units (kBtu/h Class) Room Capacity Min Rate UNIT UNIT UNIT UNIT UNIT-6 <</td><td>Hadoor Units (kB±u/h Class) Room Capacity Min Rate UNIT UNIT UNIT UNIT-R UNIT-A UNIT-C UNIT-C</td><td>Hadoor Units (kB±u/h Class) Room Capacity Min Rate Read UNIT A UNIT 9 UNIT 9</td><td>Independence Image: Constraint of the constr</td><td>Hadoor Units (kB±u/h Class) Room Capacity Min Rate Imput (W) UNIT A UNIT B UNIT B UNIT-6 (Btu/h) UNIT-6 (Btu/h)</td><td>Indicor Units (kBu/h Class) Room Capacity Min Rade/ Min/L Rade/ Min/L Rade/ Min/L Rade/ Min/L Min/L</td><td>Indicative like Image: Real with a classical with classical with a classical with classical with a cla</td></td<>	Hadoor Units (kBtu/h Class) Room Capacity Min Rate UNIT UNIT UNIT UNIT UNIT-6 <	Hadoor Units (kB±u/h Class) Room Capacity Min Rate UNIT UNIT UNIT UNIT-R UNIT-A UNIT-C UNIT-C	Hadoor Units (kB±u/h Class) Room Capacity Min Rate Read UNIT A UNIT 9 UNIT 9	Independence Image: Constraint of the constr	Hadoor Units (kB±u/h Class) Room Capacity Min Rate Imput (W) UNIT A UNIT B UNIT B UNIT-6 (Btu/h) UNIT-6 (Btu/h)	Indicor Units (kBu/h Class) Room Capacity Min Rade/ Min/L Rade/ Min/L Rade/ Min/L Rade/ Min/L Min/L	Indicative like Image: Real with a classical with classical with a classical with classical with a cla

Heating

Active		Cor	nbinatio	n of			Room C	anaditu				Total C			Input (W)					
IDUs	1	ndoor U	nits (kBt	u/h Clas	5]		Room C	apacity		Min Rated						COP	HSPF			
UNIT	UNIT A	UNIT B	UNIT	UNIT D	Total	UNIT-A (Btu/h)	UNIT-B (Btu/h)	UNIT-C (Btu/h)	UNIT-D (Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	cor	norr
	9	9	/-	-	18	10,120	10,120	-	-	12,418	3.64	20,240	5.93	23,700	6.95	1,200	1,951	2,660	3.0	7.7
	9	12	-	-	21	9,857	13,143	-	-	12,765	3.74	23,000	6.74	27,700	8.12	1,260	2,174	3,010	3.1	7.7
Units	12	12	-	-	24	13,200	13,200	-	-	16,200	4.75	26,400	7.74	29,040	8.51	1,368	2,320	3,100	3.3	8.2
oning	9	18	-	-	27	8,800	17,600	-		16,200	4.75	26,400	7.74	31,500	9.23	1,428	3,320	3,100	3.3	8.2
	12	18		-	30	10,560	15,840	-		16,200	4.75	26,400	7.74	31,500	9.23	1,428	2,320	3,100	3.3	8.2
	9	9	9	-	27	8,800	8,800	8,800	-	16,200	4.75	26,400	7.74	32,000	9.38	1,308	2,207	3,090	3.5	9.4
Units	9	9	9	-	30	7,920	7,920	10,560	-	16,200	4.75	26,400	7.74	32,000	9.38	1,308	2,207	3,090	3.5	9.4
Units	9	12	12	-	33	7,200	9,600	9,600	-	16,200	4.74	26,400	7.74	32,000	9.38	1,308	2,207	3,090	3.5	9.4

Ducted Indoor Units

Cooling

Active		Cor	mbinatio	n of			Room Capacity					Total C	Input (W)							
IDUs	I	ndoor U	nits (kBt	u/h Clas	s)						Min Rated						iiput (w)	EER	SEER	
UNIT	UNIT A	UNIT B	UNIT	UNIT	Total	UNIT-A (Btu/h)	UNIT-B (Btu/h)	UNIT-C (Btu/h)	UNIT-D (Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	EEK	SEEN
	9	9	-	-	18	8,300	8,300	-	-	10,798	3.16	16,600	4.87	19,800	5.80	1,042	1,495	2,560	11.1	14.4
-	9	12	-	-	21	7,286	9,714	-	-	12,000	3.52	17,000	4.98	23,100	6.77	1,084	1,504	2,830	11.3	14.4
Z Units	12	12	-	-	24	9,000	9,000	-	-	12,300	3.60	18,000	5.28	25,500	7.47	1,234	1,565	3,090	11.5	14.4
Units	9	18	-		27	6,000	12,000		-	12,300	3.60	18,000	5.28	27,500	8.06	1,324	1,565	3,090	11.5	14.4
	12	18	-	-	30	7,200	10,800		-	12,300	3.60	18,000	5.28	27,500	8.06	1,324	1,565	3,090	11.5	14.4
	9	9	9		27	6,000	6,000	6,000	-	12,300	3.60	18,000	5.28	28,800	8.44	1,260	1,525	3,050	11.8	16.4
3 Unite	9	9	9	-	30	5,400	5,400	7,200	-	12,300	3.60	18,000	5.28	28,800	8.44	1,260	1,525	3,050	11.8	16.4
Units	9	12	12		33	4,910	6,545	6,545	-	12,300	3.60	18,000	5.28	28,800	8.44	1,260	1,525	3,050	11.8	16.4

Heating

Active		Co	mbinatio	n of			Poom (apacity				Total C	apacity			nput (W)				
IDUs		Indoor U	nits (kBt	u/h Clas	s)		Room C	apacity		Min Rated					· ·	nput (w)	COP	HSPF		
UNIT	UNIT	UNIT B	UNIT	UNIT D	Total	UNIT-A (Btu/h)	UNIT-B (Btu/h)	UNIT-C (Btu/h)	UNIT-D (Btu/h)	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	COP	113/1
	9	9	-	-	18	10,000	10,000	-	-	12,418	3.64	20,000	5.86	23,700	6.95	1,240	1,967	2,660	3.0	7.9
2 Units	9	12			21	9,771	13,029		-	13,800	4.04	22,800	6.68	27,700	8.12	1,300	2,227	3,010	3.0	7.9
	12	12			24	13,100	13,100		-	16,500	4.84	26,200	7.68	29,040	8.51	1,408	2,360	3,100	3.3	8.1
Units	9	18	-	-	27	8,733	17,467	-	-	16,500	4.84	26,200	7.68	31,500	9.23	1,468	2,360	3,100	3.3	8.1
	12	18	-	-	30	10,480	15,720	-	-	16,500	4.84	26,200	7.68	31,500	9.23	1,468	2,360	3,100	3.3	8.1
	9	9	9		27	8,733	8,733	8,733	-	16,500	4.84	26,200	7.68	32,000	9.38	1,368	2,226	3,090	3.4	8.5
Units	9	9	9	-	30	7,860	7,860	10,480	-	16,500	4.84	26,200	7.68	32,000	9.38	1,368	2,226	3,090	3.4	8.5
Units	9	12	12	-	33	7,145	9,527	9,527	-	16,500	4.84	26,200	7.68	32,000	9.38	1,368	2,226	3,090	3.4	8.5

Capacity data is based on the following conditions -

capacity data is based on the following	conditions-
Cooling Nominal Test Conditions:	Heating Nominal Test Conditions:
Indoor: 80°F DB/67°F WB	Indoor: 70°F DB/60°F WB
Outdoor: 5*F DB/75*F WB	Outdoor: 47*F DB/43*F WB
Refer to the EPDB Capacity Tables for ca	pacities at other temperatures.

Job Name/Location: Casco Bay Ferry Terminal		Tag #: HP-1, HP-2
Date: 07/26/2013	For: File Resubmit	
PO No.:	Approval Other	_
Architect:	GC:	
Engr: Allied Engineering	Mech: Riverside Mechanical	
Rep: Trane		V • 00
(Company)	(Project Manager)	PQRCVCL0QW

LMDN095HV

Flex Multi Ceiling Concealed Duct 9,000 Btu/h Indoor Unit

Performance:

Nominal Capacity (Btu/h)	9,000
Cooling Nominal Test Conditions: Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB	Heating Nominal Test Conditions: Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
Electrical:	
Power Supply (V ¹ /Hz/Ø)	208-230/60/1
Rated Amps (A)	0.25

Piping:

Liquid Line (in, OD)	1/4
Vapor Line (in, OD)	3/8
Drain OD, ID (in)	1-1/4, 1
Temperature Sensor	Thermistor
Max Length Each Pipe (ft)	82
Max Elevation between ODU and IDU (ft)	49.2
Max Elevation between IDU and IDU (ft)	24.6

Features:

 2 Thermistor control 	 Internal Condensate Pump
 Auto operation 	 Inverter
 Auto restart 	(variable speed fan)
 Control lock function 	

Included Accessories:

Simple Controller with Mode (White) - PQRCVCL0QW

Optional Accessories (sold separately)

- 7-Day Programmable Controller (Black) PQRCVSL0
- Simple Controller with Mode (Black) PQRCVCL0Q
- Simple Controller without Mode (Black) PQRCHCA0Q
- Simple Controller without Mode (White) PQRCHCA0QW
- AC Smart II PQCSW320A1E
- ACP without Digital I/O PQCPA11A03
- ACP with Digital I/O PQCPB11A0E
- LonWorks Gateway PQNFB16A1
- BACnet Gateway PQNFB17B0
- AC Ez PQCSZ250S0
- Dry Contact Unit Dry Contact Unit (1 contact, 24 VAC external power) PQDSB1
- Dry Contact Unit Dry Contact Unit (2 input, power from indoor unit) PQDSBC
- Dry Contact for third party thermostat PQDSBNGCM1



Operating Range:

Cooling Max (°F WB)	76
Heating Min (°F DB)	59
Unit Data:	
Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure H/M/L (±3 dB(A))	32/26/25
Primary Filter	Washable Pre-filter
Net Unit Weight (Ibs)	46

Shipping Weight (Ibs)	50
Communication Cable (No x AWG)	4 x 18

Fan:

Туре		Sirocco
Quantity		3
Motor/Drive	Brushless Digitall	y Controlled/Direct
Airflow Rate H/M/L	(CFM)	300/265/229
Max External Static Pressure (in wg)		0.157
Dehumidification Ra	te (pts/h)	2.1

Standard Features:

Limited Warranty with LG Certified Installation
 Limited Two Year Functional Parts Warranty

inneed two real to

Notes:

1.Acceptable operating voltage: 187V-253V. 2.See Engineering Manual for sensible and latent capacities.

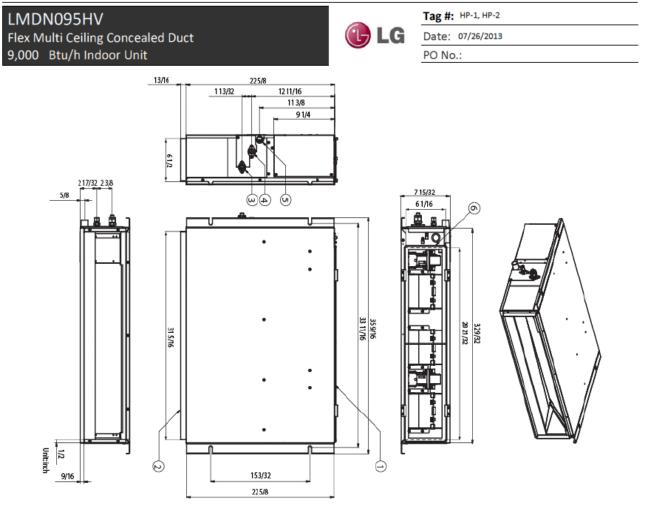
3.Sound Pressure levels are tested in an anechoic chamber under ISO Standard 1996. 4.All communication cable to be minimum 18 American wire gage (AWG), 2-conductor, strandard, itilialad and music acombu with applicable local and actional cade.

stranded, shielded and must comply with applicable local and national code. 5.Power wiring eable size must comply with the applicable local and national code

6.This unit comes with a dry helium charge. 7.This data is rated 0 ft above sea level, with 24.6 ft of refrigerant line per indoor unit and a 0 ft level difference between outdoor and indoor units. All capacities are net with a

combination ratio between 95 - 105%. 8.Must follow installation instructions in the applicable LG installation manual.





6	5	4	3	2	1	No.	
Power supply connection	Drain pipe connection	Liquid pipe connection	Gas pipe connection	Air discharge flange	Air suction flange	Part Name	
						Remarks	

Job Name/Location: Casco Bay Ferry Terminal		Тад #: НР-3	
Date: 07/26/2013	For: File Resubmit		
PO No.:	Approval Other		_
Architect:	GC:		
Engr: Allied Engineering	Mech: Riverside Mechanical		
Rep: Trane			••
(Company)	(Project Manager)		PQRCVCL0QW

LMDN125HV Flex Multi Ceiling Concealed Duct 12,000 Btu/h Indoor Unit

Performance:

Nominal Capacity (Btu/h)	12,000
Cooling Nominal Test Conditions: Indoor: 80°F DB/67°F WB	Heating Nominal Test Conditions: Indoor: 70°F DB/60°F WB
Outdoor: 95'F DB/75'F WB Electrical:	Outdoor: 47*FDB/43*FWB
Power Supply (V ¹ /Hz/Ø)	208-230/60/1
Rated Amps (A)	0.25
Piping:	
Liquid Line (in, OD)	1/4
Vapor Line (in, OD)	3/8
Drain OD, ID (in)	1-1/4, 1
Temperature Sensor	Thermistor

Max Length Each Pipe (ft)	82
Max Elevation between ODU and IDU (ft)	49.2
Max Elevation between IDU and IDU (ft)	24.6

Features:

 2 Thermistor control 	 Internal Condensate Pump
 Auto operation 	 Inverter
 Auto restart 	(variable speed fan)
 Control lock function 	

Included Accessories:

•Simple Controller with Mode (White) - PQRCVCL0QW

Optional Accessories (sold separately)

- 7-Day Programmable Controller (Black) PQRCVSL0
- 7-Day Programmable Controller (White) PQRCVSLOQW
- Simple Controller with Mode (Black) PQRCVCL0Q
- Simple Controller without Mode (Black) PQRCHCA0Q
- Simple Controller without Mode (White) PQRCHCA0QW
- AC Smart II PQCSW320A1E
- ACP without Dlgital I/O PQCPA11A03
- ACP with Digital I/O PQCPB11A0E
- LonWorks Gateway PQNFB16A1
- BACnet Gateway PQNFB17B0
- AC Ez PQCSZ250S0
- Dry Contact Unit Dry Contact Unit (1 contact, 24 VAC external power) PQDSB1
- Dry Contact Unit Dry Contact Unit (2 input, power from indoor unit) PQDSBC
- Dry Contact for third party thermostat PQDSBNGCM1



Operating Range:

Unit Data:	
Heating Min (°F DB)	59
Cooling Max (°F WB)	76

Refrigerant Type	R410A
Refrigerant Control	EEV
Sound Pressure H/M/L (±3 dB(A))	33/31/26
Primary Filter	Washable Pre-filter
Net Unit Weight (Ibs)	46
Shipping Weight (Ibs)	50
Communication Cable (No x AWG)	4 x 18

Fan:

Туре		Sirocco		
Quantity		3		
Motor/Drive	Brushless Digitall	y Controlled/Direct		
Airflow Rate H/M/L (CFM)		335/300/265		
Max External Static Pressure (in wg)		0.157		
Dehumidification Rate (pts/h)		2.5		

Standard Features:

Limited Warranty with LG Certified Installation

Limited Two Year Functional Parts Warranty

Notes:

1.Acceptable operating voltage: 187V-253V. 2.See Engineering Manual for sensible and latent capacities.

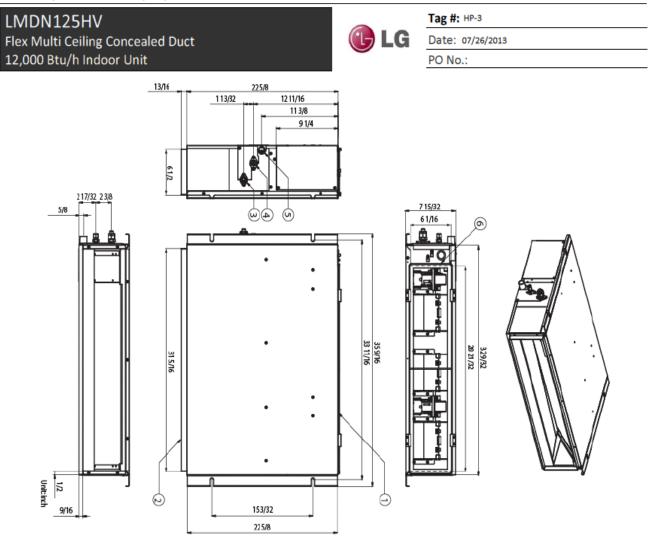
3.Sound Pressure levels are tested in an anechoic chamber under ISO Standard 1996. 4.All communication cable to be minimum 18 American wire gage (AWG), 2-conductor, stranded, shielded and must comply with applicable local and national code. 5.Power wiring cable size must comply with the applicable local and national code

6.This unit comes with a dry helium charge. 7.This data is rated 0 ft above sea level, with 24.6 ft of refrigerant line per indoor unit and

a 0 ft level difference between outdoor and indoor units. All capacities are net with a combination ratio between 95 - 105%.

8. Must follow installation instructions in the applicable LG installation manual.





6	5	4	3	2	1	No.	
Power supply connection	Drain pipe connection	Liquid pipe connection	Gas pipe connection	Air discharge flange	Air suction flange	Part Name	
						Remarks	