Job Name/Location: _____   Tag No.: _____

Date: _____

PO No.: _____

Architect: _____   GC: _____

Engr: _____   Mech: _____

Rep: _____
(Company)   (Project Manager)

| For: | File | Resubmit |
| Approval | Other_____ |

PRHR023C
R32 Multi V™ Heat Recovery Unit with Shutoff Valve
Two (2) Port

LG

Performance:

Maximum Port Capacity Btu/h (each port)[1,2]	60,000
Maximum Unit Capacity Btu/h (sum of ports)	120,000
Number of Indoor Unit Ports	2
Max. Connectable Number of Indoor Units	16
Max. Connectable Number of Indoor Units per Branch	8
Power Input[3]	
Cooling (W)	49.2
Heating (W)	46.6

Refrigerant Piping:[4]

Port Liquid Line (in., O.D.)	3/8 - 1/4
Port Vapor Line (in., O.D.)	5/8 - 1/2
System Liquid Line (in., O.D.)	3/8
System Vapor Line High (in., O.D.)	3/4
System Vapor Line Low (in., O.D.)	7/8
Condensate Line (in., I.D.)	1

Features:

- Allows connected indoor units to be in cooling or heating mode simultaneously.
- Internal components are insulated.
  - External casing insulation is not needed.[4]
  - Condensate drain required.
- High pressure vapor pipe strainer accessory not required.
- Factory installed indoor unit vapor pipe strainers.
- Series or parallel connection with additional heat recovery units.
- Flexible placement for service access or pipe routing.
- Access panels:
  - Top panel for EEV heads.
  - Rear panel for control access.
  - Bottom panel for refrigerant circuit.
- Includes R32 shutoff valve unit.

Electrical:[3]

Power Supply (V/Hz/Ø)	208-230/60/1
Rated Amps	0.1

Unit Data:

Refrigerant Type	R32
Refrigerant Control	EEV
Sound Pressure	
Cooling Mode dB(A)	31
Heating Mode dB(A)	31
Simultaneous dB(A)	38
Changeover Cooling to Heating	33
Changeover Heating to Cooling	38
Unit Net Weight (lbs.)	75
Unit Shipping Weight (lbs.)	98.5

Notes:

1. Each port can allow up to 8 indoor units with a maximum capacity of 60 MBh per port.
2. Multiple units installed on the same heat recovery port must operate in the same mode. Auto-changeover or Mode override is not possible.
3. Power wiring is field provided, and must comply with the applicable local and national codes.
4. All refrigerant piping requires insulation.
5. Communication cable between Main outdoor units to indoor units/ heat recovery units to be 18 AWG, 2-conductor, twisted, stranded, shielded. Ensure the communication cable shield is properly grounded to the Main outdoor unit chassis only. ⃠Do not ground the outdoor unit to indoor units / heat recovery units communication cable at any other point. Wiring must comply with all applicable local and national codes.
6. Kit components must be kept dry and free of debris before installation.
7. This unit comes with a dry nitrogen charge.
8. Must follow installation instructions in the applicable LG installation manual.

CSA C US

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Two Port:
Strainers are factory installed on the indoor unit vapor piping.

Three and Four Port:
– Connect the strainer that is provided as an accessory to the HRU high pressure vapor pipe.
– Strainers are factory installed on the indoor unit vapor piping.

High pressure vapor pipe
Strainer
Liquid pipe
Low pressure vapor pipe

No.	Part Name	Description		
		Two Port	Three Port	Four Port
6	Control Box	–		
5	Liquid Pipe to Indoor Unit	∅3/8 (9.52) – ∅1/4 (6.35)		
4	Vapor Pipe to Indoor Unit	∅5/8 (15.88) – ∅1/2 (12.7)		
3	Low Pressure Vapor Pipe	∅7/8 (22.2)	∅1-1/8 (28.58)	∅1-1/8 (28.58)
2	Liquid Pipe to Outdoor Unit	∅3/8 (9.52)	∅1/2 (12.7)	∅5/8 (15.88)
1	High Pressure Vapor Pipe	∅3/4 (19.05)	∅7/8 (22.2)	∅7/8 (22.2)

Heat Recovery Units
PRHR023C, PRHR033C, PRHR043C

Secondary Condensate
Main Condensate

Note:
1. Unit should be installed in compliance with the appropriate LG installation manual.
2. Unit should be grounded in accordance with the local regulations or applicable national codes.
3. All electrical components and materials supplied from the site must comply with the local regulations or national codes.