

Job Name/Location:

Tag No:

Date:

For: ☐ File ☐ Resubmit

PO No.:

☐ Approval ☐ Other _____

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

PM BD3630ZR

Three-Port Branch Distribution Unit

For Multi F MAX and Multi F MAX with LGRED° Outdoor Units

**Performance:**

Max. Nominal Port Capacity (Btu/h) (each port)	24,000
Max. Nominal Unit Capacity (Btu/h) (sum of ports)	72,000
Connected Indoor Unit Capacity (Btu/h)	7,000 ~ 24,000
Power Input (W)	87

Electrical:

Power Supply (V/Hz/Ø) ¹	208-230/60/1
Rated Amps (A)	0.36

Piping:**Piping Connections to Outdoor Unit:**

Liquid Line (in., O.D.)	ø3/8 Braze
Vapor Line (in., O.D.)	ø3/4 Braze

Piping Connections to Indoor Unit:

Liquid Line (in., O.D.)	Ø1/4 Flare x 3
Vapor Line (in., O.D.)	Ø3/8 Flare x 3

Features:

- Distributes refrigerant to indoor units
- Internal components are insulated
- Compact design

Operating Range:

Temperature Range (°F D.B.)	0 ~ 150
Maximum Humidity	80%

Unit Data:

Net Weight (lbs.)	18.3
Shipping Weight (lbs.)	21.8
Power Wiring: ODU→BDU, BDU→IDU (No. x AWG) ²	3 x 14, 3 x 14
Comm. Wiring: ODU→BDU, BDU→IDU (No. x AWG) ²	2 x 18, 2 x 18

Notes:

1. Acceptable operating voltage: 187V-253V.
2. The power wiring and the communication wiring from the outdoor unit to the branch distribution unit, and from the branch distribution unit to the indoor unit is field supplied and must be stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only). All wiring must comply with applicable local and national codes.
 - a. Power Wiring and Communication Wiring from ODU to BDU (No. x AWG) 3 x 14 / 2 x 18.
 - b. Power Wiring and Communication Wiring from BDU to IDU (No. x AWG) 3 x 14 / 2 x 18.
3. Piping lengths:
 - Maximum height difference between branch distribution unit and indoor units - 32.8 feet.
 - Maximum height difference between branch distribution unit and branch distribution unit - 49.2 feet.
 - Maximum piping length between branch distribution unit and indoor units - 49.2 feet.
4. The branch distribution unit should be installed inside of a building.
5. Must follow installation instructions in the applicable LG installation manual.



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