

Outdoor Unit Multi-zone Heat Pump Ductless System

Outdoor Model: **DLCMRBH48EAK**

Submittal Data

| | | | |
|--------------------------------|----------------------|---------------|----------------------|
| Job Data: | <input type="text"/> | Location: | <input type="text"/> |
| Buyer: | <input type="text"/> | Buyer P.O. #: | <input type="text"/> |
| Unit Number: | <input type="text"/> | Carrier #: | <input type="text"/> |
| Performance Data Certified By: | <input type="text"/> | Model Number: | <input type="text"/> |
| | | Date: | <input type="text"/> |

MULTI-ZONE OUTDOOR STANDARD FEATURES:

- Connect 2 to 5, multiple style indoor units
 - High Wall ≤36K
 - Cassette ≤24K
 - Ducted ≤24K
 - Console ≤24K

- Variable Speed (Inverter) Compressor
- Basepan Heater factory installed
- Quiet operation
- Aluminum Hydrophilic pre-coated fins

- Cooling operating range -22°~122° F (-30°~50° C)
 Heating operating range -22°~75° F (-30°~24° C)
- 76% Heating Capacity Maintenance at 5° F (-15° C)
 - 51% Heating Capacity Maintenance at -22° F (-30° C)

LIMITED WARRANTY*

- 10 year limited to original purchaser on compressor and parts upon timely registration, otherwise 5 years
- *For residential applications. See warranty for full details.



| | | | |
|-----------------|--------------------------------|----------|---------------------------------------|
| Operating Range | Cooling Outdoor DB Min - Max | °F(°C) | -22~122 (-30~50) |
| | Heating Outdoor DB Min - Max | °F(°C) | -22~75 (-30~24) |
| Piping | Total Piping Length | ft (m) | 328 (100) |
| | Piping to furthest FCU | ft (m) | 115 (35) |
| | Drop (OD above ID) | ft (m) | 65 (20) |
| | Lift (OD below ID) | ft (m) | 65 (20) |
| | Pipe Connection Size - Liquid | in (mm) | 1/4*5(6.35*5) |
| | Pipe Connection Size - Suction | in (mm) | 1/2 *2+ 3/8*3(12.7*2+9.52*3) |
| Refrigerant | Type | | R410A |
| | Charge | lbs (kg) | 10.14 (4.6) |
| | Metering Device | | EXV |
| Electrical | Voltage, Phase, Cycle | V/Ph/Hz | 208/230-1-60 |
| | Power Supply | | Indoor unit powered from outdoor unit |
| | MCA | A. | 40 |
| | Recommended Fuse Size | A. | 45 |
| | MOPA - Fuse Rating | A. | 60 |
| Compressor | Type | | R410A |
| | Model | | ATQ360D1UMU |
| | Oil Type | | ESTER OIL VG74 |
| | Oil Charge | Fl. Oz. | 47.4 |
| | Rated Current | RLA | 24.0 |
| | | | |
| Outdoor | Unit Width | in (mm) | 37.48 (952) |
| | Unit Height | in (mm) | 52.48 (1333) |
| | Unit Depth | in (mm) | 16.34 (415) |
| | Net Weight | lbs (kg) | 225.5 (102.3) |
| | Airflow | CFM | 4,500 |
| | Sound Pressure | dB(A) | 64 |

Specifications

| | | | |
|--|--------------------------------|-------|---------------|
| System | Size | | 48R |
| | Outdoor Model | | DLCMRBH48EAK |
| | Max Number of Zones | | 5 |
| Performance Non-Ducted | Energy Star | | YES |
| | Cooling System Tons | | 4 |
| | Cooling Rated Capacity | Btu/h | 48,000 |
| | Cooling Cap. Range Min - Max | Btu/h | 19,000~50,000 |
| | SEER | | 22.4 |
| | EER | | 12.5 |
| | Heating Rated Capacity (47°F) | Btu/h | 48,000 |
| | Heating Rated Capacity (17°F) | Btu/h | 29,600 |
| | Heating Rated Capacity (5°F) | Btu/h | 29,500 |
| | Heating Maximum Capacity (5°F) | Btu/h | 36,000 |
| | Heating Cap. Range Min - Max | Btu/h | 12,500~52,000 |
| | HSPF | | 11 |
| | COP (47°F) | W/W | 3.60 |
| | COP (17°F) | W/W | 2.60 |
| | COP (5°F) - Rated | W/W | 1.80 |
| Performance Combination Ducted and Non-Ducted | Energy Star | | NO |
| | Cooling System Tons | | 4 |
| | Cooling Rated Capacity | Btu/h | 48,000 |
| | Cooling Cap. Range Min - Max | Btu/h | 19,200~50,500 |
| | SEER | | 21.5 |
| | EER | | 11.3 |
| | Heating Rated Capacity (47°F) | Btu/h | 49,000 |
| | Heating Rated Capacity (17°F) | Btu/h | 29,300 |
| | Heating Rated Capacity (5°F) | Btu/h | 28,700 |
| | Heating Maximum Capacity (5°F) | Btu/h | 36,000 |
| | Heating Cap. Range Min - Max | Btu/h | 14,000~54,000 |
| | HSPF | | 10.55 |
| | COP (47°F) | W/W | 3.59 |
| | COP (17°F) | W/W | 2.61 |
| | COP (5°F) - Rated | W/W | 1.70 |
| Performance Ducted | Energy Star | | NO |
| | Cooling System Tons | | 4 |
| | Cooling Rated Capacity | Btu/h | 48,000 |
| | Cooling Cap. Range Min - Max | Btu/h | 19,400~51,000 |
| | SEER | | 20.5 |
| | EER | | 10.1 |
| | Heating Rated Capacity (47°F) | Btu/h | 50,000 |
| | Heating Rated Capacity (17°F) | Btu/h | 29,000 |
| | Heating Rated Capacity (5°F) | Btu/h | 28,000 |
| | Heating Maximum Capacity (5°F) | Btu/h | 36,000 |
| | Heating Cap. Range Min - Max | Btu/h | 15,500~56,000 |
| | HSPF | | 10.1 |
| | COP (47°F) | W/W | 3.57 |
| | COP (17°F) | W/W | 2.62 |
| | COP (5°F) - Rated | W/W | 1.70 |

Rated Combinations

| Two Zones | Three Zones | | | Four Zones | | |
|-----------|-------------|----------|----------|------------|------------|-------------|
| 9+18 | 6+6+24 | 12+12+12 | 9+18+36 | 6+6+6+18 | 6+9+24+24 | 9+12+18+18 |
| 9+24 | 6+9+12 | 12+12+18 | 12+12+30 | 6+6+6+24 | 6+12+12+24 | 9+18+18+18 |
| 12+12 | 6+9+18 | 12+12+24 | 12+12+36 | 6+6+9+12 | 6+12+12+18 | 12+12+12+12 |
| 12+18 | 6+9+24 | 12+18+18 | 12+18+30 | 6+6+9+18 | 6+12+12+24 | 12+12+12+18 |
| 12+24 | 6+12+18 | 12+18+24 | | 6+6+9+24 | 6+12+18+18 | 12+12+12+24 |
| 18+18 | 6+12+24 | 12+24+24 | | 6+6+12+12 | 6+12+18+24 | 12+12+18+18 |
| 18+24 | 6+18+18 | 18+18+18 | | 6+6+12+18 | 6+18+18+18 | 6+6+6+30 |
| 24+24 | 6+18+24 | 18+18+24 | | 6+6+12+24 | 9+9+9+9 | 6+6+9+30 |
| 6+36 | 6+24+24 | 6+6+30 | | 6+6+18+18 | 9+9+9+12 | 6+6+12+30 |
| 9+36 | 9+9+9 | 6+6+36 | | 6+6+18+24 | 9+9+9+18 | 6+9+9+30 |
| 12+36 | 9+9+12 | 6+12+30 | | 6+9+9+9 | 9+9+9+24 | 9+9+9+30 |
| 18+36 | 9+9+18 | 6+12+36 | | 6+9+9+12 | 9+9+12+12 | 9+9+9+30 |
| 24+36 | 9+9+24 | 6+18+30 | | 6+9+9+18 | 9+9+12+18 | 9+9+12+30 |
| 6+30 | 9+12+12 | 6+18+36 | | 6+9+9+24 | 9+9+12+24 | 6+6+6+36 |
| 9+30 | 9+12+18 | 9+9+30 | | 6+9+12+12 | 9+9+18+18 | 6+6+9+36 |
| 12+30 | 9+12+24 | 9+9+36 | | 6+9+12+18 | 9+9+18+24 | 6+6+12+36 |
| 18+30 | 9+18+18 | 9+12+30 | | 6+9+12+24 | 9+12+12+12 | 6+9+9+36 |
| 24+30 | 9+18+24 | 9+12+36 | | 6+9+18+18 | 9+12+12+18 | 9+9+9+36 |
| 30+30 | 9+24+24 | 9+18+30 | | 6+9+18+24 | 9+12+12+24 | |

Rated Combinations (cont'd)

| Five Zones | | | | | | |
|------------|-------------|-------------|---------------|---------------|---------------|----------------|
| 6+6+6+6+6 | 6+6+6+12+12 | 6+9+9+9+12 | 6+9+9+18+18 | 6+12+12+12+18 | 9+9+9+12+18 | 12+12+12+12+12 |
| 6+6+6+6+9 | 6+6+6+12+18 | 6+9+9+9+18 | 6+9+12+12+12 | 9+9+9+9+9 | 9+9+9+18+18 | |
| 6+6+6+6+12 | 6+6+6+12+24 | 6+9+9+9+24 | 6+9+12+12+18 | 9+9+9+9+12 | 9+9+12+12+12 | |
| 6+6+6+6+18 | 6+6+6+18+18 | 6+9+9+12+12 | 6+9+12+12+24 | 9+9+9+9+18 | 9+9+12+12+18 | |
| 6+6+6+6+24 | 6+6+6+18+24 | 6+9+9+12+18 | 6+9+12+18+18 | 9+9+9+9+24 | 9+12+12+12+12 | |
| 6+6+6+9+12 | 6+9+9+9+9 | 6+9+9+12+24 | 6+12+12+12+12 | 9+9+9+12+12 | 9+12+12+12+18 | |

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