Climate 5000 Series
48K BTU Multi Zone Regular System
Outdoor Unit – Non Ducted

Overview and Project Information

Project Name
Location
Architect
Engineer
General Contractor
Reference #
Date

48K Btu Multi Zone Regular System Outdoor Unit - Non Ducted

Indoor model # 8733953094 (Qty 4)
Indoor model name BMS500-AAU009-1AHWXB (Qty 4)
Outdoor model # 8733942706
Outdoor model name BMS500-AAM048-1CSXRA

Performance Data

Cooling
- Capacity (Btu/h): 48000
- Input (W): 3840
- Rated current (A): 16.7
- EER (Btu/w): 12.5
- SEER (Btu/w): 22.4

Heating at 47ºF
- Capacity (Btu/h): 48000
- Input (W): 3908
- Rated current (A): 17.0
- COP (W/W): 3.6
- HSPF4: 10.2
- HSPF5: 8.3

Electrical Data

- Power supply (V / Ω / Hz): 208-230 / 1 / 60
- Min. Circuit ampacity (A): 35.0
- Max. Fuse (A): 50.0

Compressor Data

- Type: Twin-Rotary
- Refrigerant oil /oil charge (ml): ESTER OIL VG74 / 1400
- Input (W): 3040
- Rated current (RLA / A): 21.00

Operation Range

ODU
- Cooling (ºF / ºC): -13-122 / -25-50

Piping

- Refrigerant precharge (ft / m): 123 / 37
- Refrigerant charge (oz / g): 162.3 / 4601
- Additional charge per ft (oz): 0.161
- Liquid side (in / mm): 5 x 1/4" / Φ6.35
- Gas side (in / mm): 3 x 3/8" + 2 x 1/2" / 3 x Φ9.52 + 2 x Φ12.7
- Max. refrigerant pipe length (ft / m): 262 / 80
- Max. length to one IDU (ft / m): 115 / 35
- Max. height difference between IDU and ODU (ft / m): 49 / 15
- Max. height difference between IDU's (ft / m): 33 / 10

System Data

- Refrigerant Type: R410A
- Design pressure (PSIG): 550/340
- Dehumidification (pts/hr): 11.2
- Fan motor qty (ea): 2
- Fan motor input (W): 126.0
- Fan motor RLA (A): 1.18
- Fan motor speed, H / M / L (RPM): 800 / 700 / 600
- Air flow, Max (CFM): 4500
- Noise level, Max (dB(A)): 64.0
- Net weight (lbs / kg): 223.8 / 101.5
- Gross weight (lbs / kg): 255.1 / 115.7
- Minimum # of indoors: 2
- Maximum # of indoors: 5

ODU

IDU

Bosch Thermotechnology Corp.
Londonderry, NH • Watertown, MA • Ft. Lauderdale, FL
Tel: 1-866-642-3198  Fax: 1-603-965-7581  www.boschheatingandcooling.com
## Outdoor Unit Dimensions and Connections

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