

SUBMITTAL DATA SHEET

DHW36CMB21S **36,000 BTU/H Multi-Zone Heat Pump Outdoor Unit**

| | | | |
|--------------------------|-------------|----------------------|----------------------|
| Job Name: | | Location: | |
| Purchaser: | | Order No.: | |
| Engineer: | | | |
| Submitted To: | For: | Ref: | Approval: |
| | | | Construction: |
| Submitted By: | | Date: | |
| Unit Designation: | | Schedule No.: | Model N |

FEATURES

- Heavy Gauge Steel Cabinet
- Sound Levels down to 56DB
- Low Ambient Cooling down to 0 degF
- Low Ambient Heating down to -4 degF
- No Refrigerant Distribution Boxes
- Indoor Primary/Secondary Settings
- Multi Condensate Ports

- R410A Refrigerant

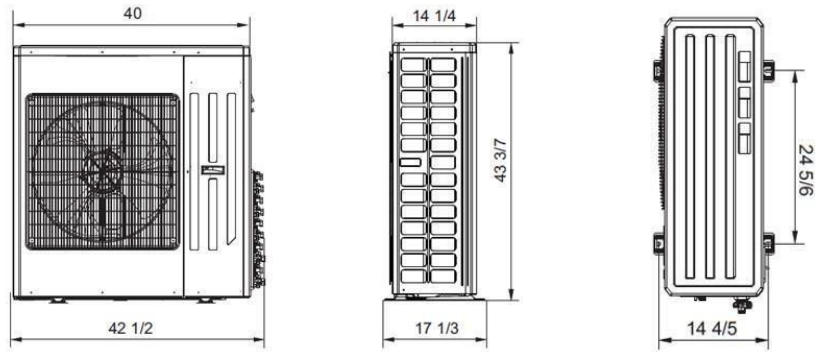


DHW36CMB21S

| System Rating | | |
|---|----------|-----------------------------------|
| System Type | | Heat Pump |
| Rated Cooling Capacity | Btu/h | 34,000 |
| Cooling Capacity (Min-Max) | Btu/h | 8,530 - 34,120 |
| Rated Heating Capacity | Btu/h | 35,800 |
| Heating Capacity (Min-Max) | Btu/h | 10,663 - 40,944 |
| EER (Non-ducted / Ducted) (Btu/h)/W | | 12.4 / 10.1 |
| SEER (Non-ducted / Ducted) | | 21 / 14.8 |
| HSPF (Non-ducted / Ducted) | | 10.2 / 9.9 |
| Rated Voltage | V-PH-Hz | 208/230-1-60 |
| MCA | Amps | 21 |
| MOCP | Amps | 30 |
| Max. Total Piping Length | ft.. (m) | 245 (75) |
| Drop (outdoor above Indoor) | ft. (m) | 49.2 (14.9) |
| Rise (Indoor above outdoor) | ft.. (m) | 49.2 (14.9) |
| Max. Equivalent Length (Piping to furthest indoor unit) | ft. (m) | 82 (25) |
| Port 1 Piping Connection Diameter - Liquid | (OD) in. | 1/4 |
| Port 1 Piping Connection Diameter - Gas | (OD) in. | 3/8 |
| Port 2 Piping Connection Diameter - Liquid | (OD) in. | 1/4 |
| Port 2 Piping Connection Diameter - Gas | (OD) in. | 3/8 |
| Port 3 Piping Connection Diameter - Liquid | (OD) in. | 1/4 |
| Port 3 Piping Connection Diameter - Gas | (OD) in. | 3/8 |
| Port 4 Piping Connection Diameter - Liquid | (OD) in. | 1/4 |
| Port 4 Piping Connection Diameter - Gas | (OD) in. | 3/8 |
| Port 5 Piping Connection Diameter - Liquid | (OD) in. | 1/4 |
| Port 5 Piping Connection Diameter - Gas | (OD) in. | 3/8 |
| Outdoor Model Number | | DHW 36CMB21S |
| Operation Range - Cooling | F (C) | 0—118.4 (-18—48) |
| Operation Range - Heating | F (C) | -4—86 (-20—30) |
| Refrigerant | | R410A |
| Refrigerant Charge | oz (kg) | 129 (3.7) |
| Unit Dimension (WxHxD) | in. (mm) | 42.79x43.42x17.32 (1087x1103x440) |
| Net / Gross Weight | lbs (kg) | 198.41/214.05 (90/98) |
| Sound Pressure Level | dB(A) | 61 |

Outdoor Unit Dimensions

Unit: inch



Notes:

1. Recommended Cable Type between Outdoor and Indoor Units, 14-4 AWG Stranded Copper THHN 600V Wire
2. Power wiring cable size must comply with applicable national and local codes
3. Test conditions are based on AHRI 210/240

Combination Table



| 36K Outdoor Unit & Possible Indoor Combinations WITH AHRI Certified Performance-W Series | | | | | | | | | | | |
|--|------------------|--------------------------|--------|--------|--------|--------|--------------------------|--------|--------|--------|--------|
| Model Number | Combinations | Cooling Capacity (Btu/h) | | | | | Heating Capacity (Btu/h) | | | | |
| | | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| DHW36CMB21S | 9K+9K | 8,530 | 8,530 | | | | 11,089 | 11,089 | | | |
| DHW36CMB21S | 9K+12K | 8,530 | 12,283 | | | | 11,089 | 15,968 | | | |
| DHW36CMB21S | 9K+18K | 7,506 | 16,719 | | | | 9,758 | 21,735 | | | |
| DHW36CMB21S | 9K+21K | 7,008 | 19,542 | | | | 9,121 | 22,900 | | | |
| DHW36CMB21S | 9K+24K (2) | 6,824 | 20,472 | | | | 8,189 | 24,567 | | | |
| DHW36CMB21S | 12K+12K | 10,236 | 10,236 | | | | 13,307 | 13,307 | | | |
| DHW36CMB21S | 12K+18K | 10,577 | 13,648 | | | | 12,693 | 16,378 | | | |
| DHW36CMB21S | 12K+21K (2) | 10,390 | 15,904 | | | | 12,473 | 18,590 | | | |
| DHW36CMB21S | 12K+24K (2) | 10,236 | 17,060 | | | | 12,283 | 20,472 | | | |
| DHW36CMB21S | 18K+18K | 13,658 | 13,648 | | | | 16,378 | 16,387 | | | |
| DHW36CMB21S | 18K+21K (2) | 13,090 | 14,546 | | | | 15,658 | 17,380 | | | |
| DHW36CMB21S | 18K+24K (2) | 12,283 | 15,354 | | | | 14,740 | 18,425 | | | |
| DHW36CMB21S | 21K+21K (2) | 13,209 | 13,209 | | | | 15,865 | 15,865 | | | |
| DHW36CMB21S | 21K+24K | 12,935 | 13,648 | | | | 15,253 | 16,378 | | | |
| DHW36CMB21S | 24K+24K (2) | 13,648 | 13,648 | | | | 16,378 | 16,378 | | | |
| DHW36CMB21S | 9K+9K+9K | 8,189 | 8,189 | 8,189 | | | 9,008 | 9,008 | 9,008 | | |
| DHW36CMB21S | 9K+9K+12K | 6,994 | 7,336 | 10,236 | | | 7,694 | 8,069 | 11,260 | | |
| DHW36CMB21S | 9K+9K+18K | 7,165 | 7,165 | 15,354 | | | 8,598 | 8,598 | 18,425 | | |
| DHW36CMB21S | 9K+9K+21K | 6,822 | 6,822 | 16,206 | | | 8,066 | 8,066 | 19,428 | | |
| DHW36CMB21S | 9K+9K+24K (2) | 6,312 | 6,312 | 17,060 | | | 7,574 | 7,574 | 20,472 | | |
| DHW36CMB21S | 9K+12K+12K | 7,506 | 11,089 | 11,089 | | | 9,008 | 13,307 | 13,307 | | |
| DHW36CMB21S | 9K+12K+18K | 6,141 | 10,065 | 13,477 | | | 7,370 | 12,078 | 16,173 | | |
| DHW36CMB21S | 9K+12K+21K (2) | 5,823 | 9,065 | 14,988 | | | 6,902 | 10,506 | 17,985 | | |
| DHW36CMB21S | 9K+12K+24K (2) | 5,459 | 8,018 | 16,207 | | | 6,551 | 9,622 | 19,449 | | |
| DHW36CMB21S | 9K+18K+18K | 5,971 | 11,771 | 11,771 | | | 7,165 | 14,126 | 14,126 | | |
| DHW36CMB21S | 9K+18K+21K (2) | 5,765 | 10,950 | 13,420 | | | 6,854 | 12,205 | 16,856 | | |
| DHW36CMB21S | 9K+18K+24K (2) | 5,459 | 9,042 | 15,184 | | | 6,551 | 10,850 | 18,220 | | |
| DHW36CMB21S | 9K+21K+21K | 5,722 | 1,203 | 1,203 | | | 6,753 | 14,324 | 14,324 | | |
| DHW36CMB21S | 9K+21K+24K | 5,722 | 1,203 | 13,052 | | | 6,753 | 14,324 | 17,653 | | |
| DHW36CMB21S | 12K+12K+12K | 9,895 | 9,895 | 9,895 | | | 11,874 | 11,874 | 11,874 | | |
| DHW36CMB21S | 12K+12K+18K | 8,530 | 8,530 | 12,624 | | | 10,236 | 10,236 | 15,149 | | |
| DHW36CMB21S | 12K+12K+21K (2) | 8,035 | 8,035 | 13,654 | | | 9,535 | 9,535 | 16,605 | | |
| DHW36CMB21S | 12K+12K+24K (2) | 7,506 | 7,506 | 14,672 | | | 9,008 | 9,008 | 17,606 | | |
| DHW36CMB21S | 12K+18K+18K | 9,212 | 12,283 | 12,283 | | | 11,055 | 14,740 | 14,740 | | |
| DHW36CMB21S | 12K+18K+21K | 8,806 | 10,265 | 13,154 | | | 10,563 | 12,850 | 15,200 | | |
| DHW36CMB21S | 12K+18K+24K | 8,708 | 10,235 | 13,425 | | | 10,478 | 12,750 | 15,500 | | |
| DHW36CMB21S | 12K+21K+21K | 8,906 | 13,326 | 13,326 | | | 10,566 | 15,620 | 15,620 | | |
| DHW36CMB21S | 18K+18K+18K | 9,895 | 9,895 | 9,895 | | | 11,874 | 11,874 | 11,874 | | |
| DHW36CMB21S | 9K+9K+9K+9K | 8,359 | 8,359 | 8,359 | 8,359 | | 10,031 | 10,031 | 10,031 | 10,031 | |
| DHW36CMB21S | 9K+9K+9K+12K | 7,506 | 7,506 | 7,506 | 10,918 | | 9,008 | 9,008 | 9,008 | 13,102 | |
| DHW36CMB21S | 9K+9K+9K+18K | 6,824 | 6,824 | 6,824 | 12,283 | | 8,189 | 8,189 | 8,189 | 14,740 | |
| DHW36CMB21S | 9K+9K+9K+21K (2) | 6,420 | 6,420 | 6,420 | 14,250 | | 7,865 | 7,865 | 7,865 | 16,014 | |
| DHW36CMB21S | 9K+9K+9K+24K (2) | 6,141 | 6,141 | 6,141 | 15,013 | | 7,370 | 7,370 | 7,370 | 18,016 | |
| DHW36CMB21S | 9K+9K+12K+12K | 6,824 | 6,824 | 9,895 | 9,895 | | 8,189 | 8,189 | 11,874 | 11,874 | |
| DHW36CMB21S | 9K+9K+12K+18K | 5,459 | 5,459 | 11,260 | 11,260 | | 6,551 | 6,551 | 13,512 | 13,512 | |
| DHW36CMB21S | 9K+9K+12K+21K | 5,305 | 5,305 | 11,113 | 12,056 | | 6,500 | 6,500 | 13,253 | 14,520 | |
| DHW36CMB21S | 9K+9K+18K+18K | 6,650 | 6,650 | 11,980 | 11,980 | | 7,968 | 7,968 | 13,980 | 13,980 | |
| DHW36CMB21S | 9K+9K+12K+24K | 5,398 | 5,398 | 11,026 | 12,506 | | 6,420 | 6,420 | 13,056 | 15,035 | |
| DHW36CMB21S | 9K+12K+12K+12K | 7,847 | 8,530 | 8,530 | 8,530 | | 9,417 | 10,236 | 10,236 | 10,236 | |
| DHW36CMB21S | 9K+12K+12K+18K | 6,141 | 7,506 | 7,506 | 12,283 | | 7,370 | 9,008 | 9,008 | 14,740 | |
| DHW36CMB21S | 9K+12K+12K+21K | 6,141 | 7,506 | 7,506 | 12,860 | | 7,370 | 9,008 | 9,008 | 15,035 | |
| DHW36CMB21S | 12K+12K+12K+12K | 8,359 | 8,359 | 8,359 | 8,359 | | 10,031 | 10,031 | 10,031 | 10,031 | |
| DHW36CMB21S | 12K+12K+12K+18K | 8,359 | 8,359 | 8,359 | 8,965 | | 10,031 | 10,031 | 10,031 | 11,055 | |
| DHW36CMB21S | 9K+9K+9K+9K+12K | 6,824 | 6,824 | 6,824 | 6,824 | 8,359 | 9,031 | 9,031 | 9,031 | 9,031 | 10,031 |
| DHW36CMB21S | 9K+9K+9K+9K+18K | 6,824 | 6,824 | 6,824 | 6,824 | 8,965 | 9,031 | 9,031 | 9,031 | 9,031 | 11,055 |
| DHW36CMB21S | 9K+9K+9K+12K+12K | 6,624 | 6,624 | 6,624 | 8,159 | 8,159 | 9,031 | 9,031 | 9,031 | 10,031 | 10,031 |