

|                   |       |
|-------------------|-------|
| Job Name:         |       |
| System Reference: | Date: |



Outdoor Unit: MXZ-3C24NA

### ACCESSORIES

- 3/8" x 1/2" Port Adapter (MAC-A454JP-E)
- 1/2" x 3/8" Port Adapter (MAC-A455JP-E)
- 1/2" x 5/8" Port Adapter (MAC-A456JP-E)
- 1/4" x 3/8" Port Adapter (PAC-493PI)
- 3/8" x 5/8" Port Adapter (PAC-SG76RJ-E)
- M-NET Adapter (PAC-IF01MNT-E)
- Base Heater (PAC-645BH-E)

(For data on specific indoor units, see the MXZ-C Technical and Service Manual.)

| Specifications                              |                               |                       | Model Name                                    |
|---|-------------------------------|-----------------------|---|
| Unit Type                                   |                               |                       | MXZ-3C30NA2                                   |
| Cooling*<br>(Non-ducted / Ducted)           | Rated Capacity                | Btu/h                 | 28,400 / 27,400                               |
|   | Capacity Range                | Btu/h                 | 12,600-28,400 / 12,600-27,400                 |
|   | Rated Total Input             | W                     | 2,680 / 2,860                                 |
| Heating at 47°F*<br>(Non-ducted / Ducted)   | Rated Capacity                | Btu/h                 | 28,600 / 27,600                               |
|   | Capacity Range                | Btu/h                 | 11,400-36,000 / 11,400-35,000                 |
|   | Rated Total Input             | W                     | 2,150 / 2,220                                 |
| Heating at 17°F*<br>(Non-ducted/Ducted)     | Rated Capacity                | Btu/h                 | 16,000 / 15,100                               |
|   | Rated Total Input             | W                     | 2,120 / 2,140                                 |
| Electrical Requirements                     | Power Supply                  | Voltage, Phase, Hertz | 208 / 230V, 1-Phase, 60 Hz                    |
|   | Recommended Fuse/Breaker Size | A                     | 25  |
|   | MCA                           | A                     | 22.1  |
| Voltage                                     | Indoor - Outdoor S1-S2        | V                     | AC 208 / 230                                  |
|   | Indoor - Outdoor S2-S3        | V                     | DC ±24  |
| Compressor                                  |                               |                       | INVERTER-driven Scroll Hermetic               |
| Fan Motor (ECM)                             |                               | F.L.A.                | 2.43  |
| Sound Pressure Level                        | Cooling                       | dB(A)                 | 52  |
|   | Heating                       |                       | 56  |
| External Dimensions (H x W x D)             |                               | In (mm)               | 31-11/32 x 37-13/32 x 13<br>(796 x 950 x 330) |
| Net Weight                                  |                               | Lbs (kg)              | 137 (62)                                      |
| External Finish                             |                               |                       | Munsell 3.0Y 7.8/1.1                          |
| Refrigerant Pipe Size O.D. —<br>Eight Ports | Liquid (High Pressure)        | In (mm)               | 1/4 (12.7)                                    |
|   | Gas (Low Pressure)            |                       | A: 1/2 (6.35) ; B,C: 3/8 (9.52)               |
| Max. Refrigerant Line Length                |                               | Ft (m)                | 230 (70)                                      |
| Max. Piping Length for Each Indoor Unit     |                               | Ft (m)                | 82 (25)                                       |
| Max. Refrigerant Pipe Height<br>Difference  | If IDU is Above ODU           | Ft (m)                | 49 (15)                                       |
|   | If IDU is Below ODU           |                       | 49 (15)                                       |
| Connection Method                           |                               |                       | Flared/Flared                                 |
| Refrigerant                                 |                               |                       | R410A   |

\* Rating Conditions per AHRI Standard:

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB  
Cooling | Outdoor: 95° F (35° C) DB / 23.9° C (75° F) WB

Heating at 47°F | Indoor: 70° F (21° C) DB / 60° F (16° C) WB  
Heating at 47°F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

Heating at 17° F | Indoor: 70° F (21° C) DB  
Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

# SPECIFICATIONS: MXZ-3C30NA2, contd.

**OPERATING RANGE:**

|         | Outdoor                        |
|---------|--------------------------------|
| Cooling | 14 to 115° F (-10 to 46° C) DB |
| Heating | 5 to 65° F (-15 to 18° C) WB   |

**ENERGY EFFICIENCIES:**

| Indoor Unit Type                 | SEER | EER  | HSPF | COP @ 47°F | COP @ 17°F |
|----------------------------------|------|------|------|------------|------------|
| <b>Non-ducted (06 + 06 + 09)</b> | 19.0 | 10.6 | 10.6 | 3.90       | 2.77       |
| <b>Ducted and Non-ducted</b>     | 17.6 | 10.1 | 10.1 | 3.77       | 2.78       |
| <b>Ducted (09 + 09 + 09)</b>     | 16.2 | 9.6  | 9.6  | 3.64       | 2.78       |

**NOTES:**

- Minimum of two Indoor Units must be connected to the MXZ-3C30NA2.
- Minimum installed capacity cannot be less than 12,000 Btu/h.
- Total connected capacity must not exceed 130% of outdoor unit capacity.
- System can operate with only one Indoor Unit turned on.
- Information provided at 208/230V.
- For Reference:
  - MXZ-C Technical & Service Manual for detailed specifications and additional information per Indoor Unit Combination.
  - MXZ Series Multi-Zone Indoor/Outdoor Combination Table for allowed unit combinations.

**MVZ CONNECTION RULES:**

- Only 1 MVZ may be used on any system.
- When an MVZ is connected, total connected capacity must be 100% or less.
- When an MVZ is connected, no P-Series indoor units can be used (PCA, PLA, or PEAD).

Notes:

# MXZ-3C30NA2 OPERATIONAL PERFORMANCE

**DUCTED:**

| Operational Performance for Indoor Unit Combinations (Unit A + Unit B + Unit C) | Cooling Capacity Range (Btu/h) |        |        | Power Usage Range (W) | Current (208/230V) |
|---|--------------------------------|--------|--------|-----------------------|--------------------|
|   | Heating Capacity Range (Btu/h) |        |        |                       |                    |
|   | Unit A                         | Unit B | Unit C |                       |                    |
| 9   | 9000                           | 0      | 0      | TBD                   |                    |
|   | 10900                          | 0      | 0      |                       |                    |
| 12  | 12000                          | 0      | 0      |                       |                    |
|   | 13600                          | 0      | 0      |                       |                    |
| 15  | 15000                          | 0      | 0      |                       |                    |
|   | 18000                          | 0      | 0      |                       |                    |
| 18  | 17200                          | 0      | 0      |                       |                    |
|   | 21600                          | 0      | 0      |                       |                    |
| 24  | 24000                          | 0      | 0      |                       |                    |
|   | 26000                          | 0      | 0      |                       |                    |
| 9 + 9   | 9000                           | 9000   | 0      |                       |                    |
|   | 10900                          | 10900  | 0      |                       |                    |
| 9 + 12  | 9000                           | 12000  | 0      |                       |                    |
|   | 10500                          | 14000  | 0      |                       |                    |
| 9 + 15  | 9000                           | 15000  | 0      |                       |                    |
|   | 10200                          | 17000  | 0      |                       |                    |
| 9 + 18  | 8733                           | 17467  | 0      |                       |                    |
|   | 9133                           | 18267  | 0      |                       |                    |
| 9 + 24  | 7418                           | 19782  | 0      |                       |                    |
|   | 7473                           | 19927  | 0      |                       |                    |
| 12 + 12   | 12000                          | 12000  | 0      |                       |                    |
|   | 13600                          | 13600  | 0      |                       |                    |
| 12 + 15   | 11644                          | 14556  | 0      |                       |                    |
|   | 12178                          | 15222  | 0      |                       |                    |
| 12 + 18   | 10880                          | 16320  | 0      |                       |                    |
|   | 10960                          | 16440  | 0      |                       |                    |
| 12 + 24   | 9067                           | 18133  | 0      |                       |                    |
|   | 9133                           | 18267  | 0      |                       |                    |
| 15 + 15   | 13600                          | 13600  | 0      |                       |                    |
|   | 13700                          | 13700  | 0      |                       |                    |
| 15 + 18   | 12364                          | 14836  | 0      |                       |                    |
|   | 12455                          | 14945  | 0      |                       |                    |
| 18 + 18   | 13600                          | 13600  | 0      |                       |                    |
|   | 13700                          | 13700  | 0      |                       |                    |
| 9 + 9 + 9   | 9000                           | 9000   | 9000   |                       |                    |
|   | 9133                           | 9133   | 9133   |                       |                    |
| 9 + 9 + 12  | 8220                           | 8220   | 10960  |                       |                    |
|   | 8280                           | 8280   | 11040  |                       |                    |
| 9 + 9 + 15  | 7582                           | 7582   | 12636  |                       |                    |
|   | 7582                           | 7582   | 12636  |                       |                    |
| 9 + 9 + 18  | 7050                           | 7050   | 14100  |                       |                    |
|   | 7000                           | 7000   | 14000  |                       |                    |
| 9 + 12 + 12   | 7582                           | 10109  | 10109  |                       |                    |
|   | 7582                           | 10109  | 10109  |                       |                    |
| 9 + 12 + 15   | 7050                           | 9400   | 11750  |                       |                    |
|   | 7000                           | 9333   | 11667  |                       |                    |
| 12 + 12 + 12  | 9400                           | 9400   | 9400   |                       |                    |
|   | 9333                           | 9333   | 9333   |                       |                    |

# MXZ-3C30NA2 OPERATIONAL PERFORMANCE, contd.

**NON-DUCTED:**

| Operational Performance for Indoor Unit Combinations (Unit A + Unit B + Unit C) | Cooling Capacity Range (Btu/h) |        |        | Power Usage Range (W) | Current (208/230V) |
|---|--------------------------------|--------|--------|-----------------------|--------------------|
|   | Heating Capacity Range (Btu/h) |        |        |                       |                    |
|   | Unit A                         | Unit B | Unit C |                       |                    |
| 6   | 6000                           | 0      | 0      | TBD                   |                    |
|   | 7400                           | 0      | 0      |                       |                    |
| 9   | 9000                           | 0      | 0      |                       |                    |
|   | 11000                          | 0      | 0      |                       |                    |
| 12  | 12000                          | 0      | 0      |                       |                    |
|   | 14400                          | 0      | 0      |                       |                    |
| 15  | 14000                          | 0      | 0      |                       |                    |
|   | 18000                          | 0      | 0      |                       |                    |
| 18  | 17200                          | 0      | 0      |                       |                    |
|   | 21600                          | 0      | 0      |                       |                    |
| 24  | 22500                          | 0      | 0      |                       |                    |
|   | 27600                          | 0      | 0      |                       |                    |
| 6 + 6   | 6000                           | 6000   | 0      |                       |                    |
|   | 7400                           | 7400   | 0      |                       |                    |
| 6 + 9   | 6000                           | 9000   | 0      |                       |                    |
|   | 7360                           | 11040  | 0      |                       |                    |
| 6 + 12  | 6000                           | 12000  | 0      |                       |                    |
|   | 7333                           | 14667  | 0      |                       |                    |
| 6 + 15  | 5714                           | 14286  | 0      |                       |                    |
|   | 7257                           | 18143  | 0      |                       |                    |
| 6 + 18  | 5750                           | 17250  | 0      |                       |                    |
|   | 6900                           | 20700  | 0      |                       |                    |
| 6 + 24  | 5440                           | 21760  | 0      |                       |                    |
|   | 5520                           | 22080  | 0      |                       |                    |
| 9 + 9   | 9000                           | 9000   | 0      |                       |                    |
|   | 11000                          | 11000  | 0      |                       |                    |
| 9 + 12  | 8571                           | 11429  | 0      |                       |                    |
|   | 10886                          | 14514  | 0      |                       |                    |
| 9 + 15  | 8625                           | 14375  | 0      |                       |                    |
|   | 10350                          | 17250  | 0      |                       |                    |
| 9 + 18  | 8600                           | 17200  | 0      |                       |                    |
|   | 9200                           | 18400  | 0      |                       |                    |
| 9 + 24  | 7418                           | 19782  | 0      |                       |                    |
|   | 7527                           | 20073  | 0      |                       |                    |
| 12 + 12   | 11500                          | 11500  | 0      |                       |                    |
|   | 13800                          | 13800  | 0      |                       |                    |
| 12 + 15   | 11467                          | 14333  | 0      |                       |                    |
|   | 12267                          | 15333  | 0      |                       |                    |
| 12 + 18   | 10880                          | 16320  | 0      |                       |                    |
|   | 11040                          | 16560  | 0      |                       |                    |
| 12 + 24   | 9067                           | 18133  | 0      |                       |                    |
|   | 9200                           | 18400  | 0      |                       |                    |
| 15 + 15   | 13600                          | 13600  | 0      |                       |                    |
|   | 13800                          | 13800  | 0      |                       |                    |
| 15 + 18   | 12364                          | 14836  | 0      |                       |                    |
|   | 12545                          | 15055  | 0      |                       |                    |
| 18 + 18   | 13600                          | 13600  | 0      |                       |                    |
|   | 13800                          | 13800  | 0      |                       |                    |
| 6 + 6 + 6   | 6000                           | 6000   | 6000   |                       |                    |
|   | 7400                           | 7400   | 7400   |                       |                    |
| 6 + 6 + 9   | 6000                           | 6000   | 9000   |                       |                    |
|   | 7371                           | 7371   | 11057  |                       |                    |
| 6 + 6 + 12  | 6000                           | 6000   | 12000  |                       |                    |
|   | 7100                           | 7100   | 14200  |                       |                    |
| 6 + 6 + 15  | 5778                           | 5778   | 14444  |                       |                    |
|   | 6311                           | 6311   | 15778  |                       |                    |
| 6 + 6 + 18  | 5680                           | 5680   | 17040  |                       |                    |
|   | 5720                           | 5720   | 17160  |                       |                    |
| 6 + 6 + 24  | 5000                           | 5000   | 20000  |                       |                    |
|   | 5000                           | 5000   | 20000  |                       |                    |

# MXZ-3C30NA2 OPERATIONAL PERFORMANCE, contd.

**NON-DUCTED:**

| Operational Performance for Indoor Unit Combinations (Unit A + Unit B + Unit C) | Cooling Capacity Range (Btu/h) |        |        | Power Usage Range (W) | Current (208/230V) |
|---|--------------------------------|--------|--------|-----------------------|--------------------|
|   | Heating Capacity Range (Btu/h) |        |        |                       |                    |
|   | Unit A                         | Unit B | Unit C |                       |                    |
| 6 + 9 + 9   | 6000                           | 9000   | 9000   | TBD                   |                    |
|   | 7100                           | 10650  | 10650  |                       |                    |
| 6 + 9 + 12  | 5778                           | 8667   | 11556  |                       |                    |
|   | 6311                           | 9467   | 12622  |                       |                    |
| 6 + 9 + 15  | 5680                           | 8520   | 14200  |                       |                    |
|   | 5720                           | 8580   | 14300  |                       |                    |
| 6 + 9 + 18  | 5382                           | 8073   | 16145  |                       |                    |
|   | 5382                           | 8073   | 16145  |                       |                    |
| 6 + 12 + 12   | 5680                           | 11360  | 11360  |                       |                    |
|   | 5720                           | 11440  | 11440  |                       |                    |
| 6 + 12 + 15   | 5382                           | 10764  | 13455  |                       |                    |
|   | 5382                           | 10764  | 13455  |                       |                    |
| 6 + 12 + 18   | 5000                           | 10000  | 15000  |                       |                    |
|   | 5000                           | 10000  | 15000  |                       |                    |
| 6 + 15 + 15   | 5000                           | 12500  | 12500  |                       |                    |
|   | 5000                           | 12500  | 12500  |                       |                    |
| 9 + 9 + 9   | 8667                           | 8667   | 8667   |                       |                    |
|   | 9467                           | 9467   | 9467   |                       |                    |
| 9 + 9 + 12  | 8520                           | 8520   | 11360  |                       |                    |
|   | 8580                           | 8580   | 11440  |                       |                    |
| 9 + 9 + 15  | 8073                           | 8073   | 13455  |                       |                    |
|   | 8073                           | 8073   | 13455  |                       |                    |
| 9 + 9 + 18  | 7500                           | 7500   | 15000  |                       |                    |
|   | 7500                           | 7500   | 15000  |                       |                    |
| 9 + 12 + 12   | 8073                           | 10764  | 10764  |                       |                    |
|   | 8073                           | 10764  | 10764  |                       |                    |
| 9 + 12 + 15   | 7500                           | 10000  | 12500  |                       |                    |
|   | 7500                           | 10000  | 12500  |                       |                    |
| 12 + 12 + 12  | 10000                          | 10000  | 10000  |                       |                    |
|   | 10000                          | 10000  | 10000  |                       |                    |

