

Submittal Data: MFZ-KX15NL SUZ-AA15NLHZ

|               |  |               |  |
|---------------|--|---------------|--|
| Job Name:     |  | Location:     |  |
| Purchaser:    |  | Submitted By: |  |
| Submitted To: |  | Engineer:     |  |
| Date:         |  | Application:  |  |

☐ Reference    ☐ Approval    ☐ Construction



Basic product info.

|                  |              |  |
|------------------|--------------|--|
| IDU Model Number | MFZ-KX15NL   |  |
| ODU Model Number | SUZ-AA15NLHZ |  |
| AHRI Certificate | 215734917    |  |

Performance: Cooling at 95F (35C)

|                                                        |       |  |
|--------------------------------------------------------|-------|--|
| Cooling 95F Maximum Capacity                           | 15000 |  |
| Cooling 95F Rated Capacity                             | 15000 |  |
| Cooling 95F Minimum Capacity                           | 5200  |  |
| Cooling Maximum Power Input                            | 1170  |  |
| Cooling Rated Power Input                              | 1170  |  |
| Cooling Minimum Power Input                            | 380   |  |
| Sensible Heat Factor at AHRI Cooling Rating Conditions | 0.78  |  |

Performance: Heating at 47F (8.3C)

|                                 |       |  |
|---------------------------------|-------|--|
| Heating 47F Maximum Capacity    | 19000 |  |
| Heating 47F Rated Capacity      | 17000 |  |
| Heating 47F Minimum Capacity    | 8400  |  |
| Heating 47F Maximum Power Input | 1500  |  |
| Heating 47F Rated Power Input   | 1270  |  |
| Heating 47F Minimum Power Input | 480   |  |
| COP 47F at Rated Condition      | 3.9   |  |

Performance: Heating at 17F (-8.3C)

|                                 |       |  |
|---------------------------------|-------|--|
| Heating 17F Maximum Capacity    | 17000 |  |
| Heating 17F Rated Capacity      | 10900 |  |
| Heating 17F Minimum Capacity    | 4100  |  |
| Heating 17F Maximum Power Input | 1920  |  |
| Heating 17F Rated Power Input   | 1170  |  |
| Heating 17F Minimum Power Input | 620   |  |
| COP 17F at Maximum capacity     | 2.5   |  |
| COP 17F at Rated Condition      | 2.7   |  |

Performance: Heating at 5F (-15C)

|                                         |       |  |
|-----------------------------------------|-------|--|
| Heating 5F Maximum Capacity (H4Full)    | 17000 |  |
| Heating 5F Minimum Capacity (H4Full)    | 3200  |  |
| Heating 5F Maximum Power Input (H4Full) | 2400  |  |
| Heating 5F Rated Power Input (H4Full)   | 990   |  |
| Heating 5F Minimum Power Input (H4Full) | 530   |  |
| COP 5F at Maximum capacity (H4Full)     | 2     |  |
| Heating 5F Rated Capacity (H4Full)      | 9100  |  |

Performance: Heating at -13F (-25C)

|                                  |       |  |
|----------------------------------|-------|--|
| Heating -13F Maximum Capacity    | 10300 |  |
| Heating -13F Minimum Capacity    | 1900  |  |
| Heating -13F Maximum Power Input | 1910  |  |
| Heating -13F Minimum Power Input | 450   |  |
| COP -13F at Maximum Capacity     | 1.58  |  |

ODU Operating Temp. Range

|                                   |       |  |
|-----------------------------------|-------|--|
| Heating Thermal Re-start Temp (C) | -25   |  |
| Cooling Thermal Re-start Temp (C) | -16   |  |
| Cooling Thermal Lock-out Temp (C) | -18.5 |  |
| Heating Thermal Lock-out Temp (C) | -30   |  |
| Cooling Thermal Re-start Temp (F) | 3     |  |
| Cooling Thermal Lock-out Temp (F) | -1    |  |
| Heating Thermal Re-start Temp (F) | -14   |  |
| Heating Thermal Lock-out Temp (F) | -22   |  |

|                                        |     |  |
|----------------------------------------|-----|--|
| <b>Rebates</b>                         |     |  |
| NEEP Certification                     | YES |  |
| Energy Star 6.1 Certified              | YES |  |
| Energy Star 6.1 Cold Climate Certified | YES |  |

|                   |      |  |
|-------------------|------|--|
| <b>Efficiency</b> |      |  |
| SEER2             | 17.3 |  |
| EER2              | 12.8 |  |
| HSPF2 (IV)        | 10   |  |
| HSPF2(V)          | 8.1  |  |

|                                               |     |  |
|-----------------------------------------------|-----|--|
| <b>Electrical</b>                             |     |  |
| Recommended Fuse/Breaker Size of System (ODU) | 30  |  |
| ODU Minimum Circuit Ampacity (MCA)            | 25  |  |
| Rated Voltage (Min)                           | 208 |  |
| Rated Voltage (Max)                           | 230 |  |
| Phase                                         | 1   |  |
| Recommended Fuse/Breaker Size                 | 30  |  |

|                                                |                         |  |
|------------------------------------------------|-------------------------|--|
| <b>Indoor Unit</b>                             |                         |  |
| External Finish (Munsell No. in case painting) | 6.2PB 9/0.9             |  |
| Drain Pipe Size (Outer size)                   | 20                      |  |
| IDU Airflow Rate, Cooling (Dry) CFM            | 198, 254, 311, 392, 431 |  |
| IDU Airflow Rate, Heating CFM                  | 212, 268, 328, 399, 470 |  |
| IDU Unit Dimension W (inch)                    | 29 1/2                  |  |
| IDU Unit Dimension D (inch)                    | 8 7/16                  |  |
| IDU Unit Dimension H (inch)                    | 23 5/8                  |  |

|                                                  |          |  |
|--------------------------------------------------|----------|--|
| <b>Outdoor Unit</b>                              |          |  |
| Base Pan Heater installed (Built-in or Optional) | Built-in |  |
| ODU Unit Dimension W (inch)                      | 41       |  |
| ODU Unit Dimension D (inch)                      | 13 + 1   |  |
| ODU Unit Dimension H (inch)                      | 52 43/64 |  |
| ODU Unit Weight (lbs)                            | 115      |  |

|                                    |     |  |
|------------------------------------|-----|--|
| <b>Piping</b>                      |     |  |
| Liquid Pipe Size O.D. [Flared]     | 1/4 |  |
| Gas Pipe Size O.D. [Flared]        | 1/2 |  |
| Maximum Piping Length (ft)         | 100 |  |
| Maximum Piping Length (m)          | 30  |  |
| ODU Liquid Pipe Size O.D. [Flared] | 1/4 |  |
| ODU Gas Pipe Size O.D. [Flared]    | 1/2 |  |

|                                      |       |  |
|--------------------------------------|-------|--|
| <b>Refrigerant</b>                   |       |  |
| Refrigerant Type                     | R454B |  |
| Pre-charged Refrigerant Amount (ODU) | 3 lbs |  |

|                                       |                                                  |  |
|---------------------------------------|--------------------------------------------------|--|
| <b>Accessories</b>                    |                                                  |  |
| Remote Controller English             | MAC-FL116M-E                                     |  |
| Remote Controller French              | MAC-FL216M-E                                     |  |
| Wall Mount controller                 | PAR-42MAACAB (Requires system control interface) |  |
| Simple Wall MA Controller             | PAC-YT53CRAU-J                                   |  |
| Deodorizing Filter                    | MAC-408FT-E                                      |  |
| Microparticle Catching Filter         | MAC-EMF515FT-E                                   |  |
| System Interface (Full Control)       | MAC-334IF-E                                      |  |
| System Interface (Functional Control) | MAC-497IF-E                                      |  |
| NA T-STAT Interface                   | RMF-CA200                                        |  |
| Simple CN105 Controller               | PAC-SDW01RC-CA1                                  |  |
| Wi-Fi Adapter                         | Built-in                                         |  |

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed) (\* Windscreens required for cooling operations below 23°F (-5°C))

<sup>1</sup> Cooling (Indoor // Outdoor) 80°F (26.6°C) DB, 67°F (19.4°C) WB // 95°F (35°C) DB, 75°F (23.9°C) WB

<sup>2</sup> Heating at 47°F (8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 47°F (8.3°C) DB, 43°F (6.1°C) WB

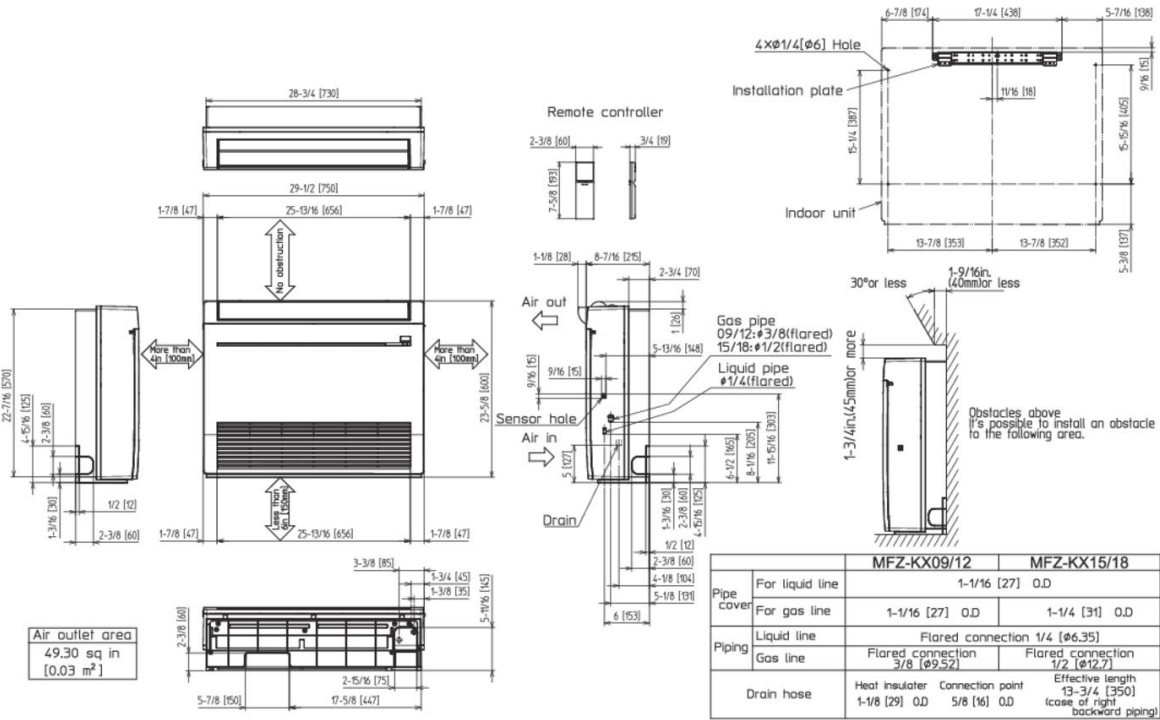
<sup>3</sup> Heating at 17°F (-8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 17°F (-8.3°C) DB, 15°F (-9.4°C) WB

tHeating at 5°F (-15°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 5°F (-15°C) DB, 4°F (-15.6°C) WB

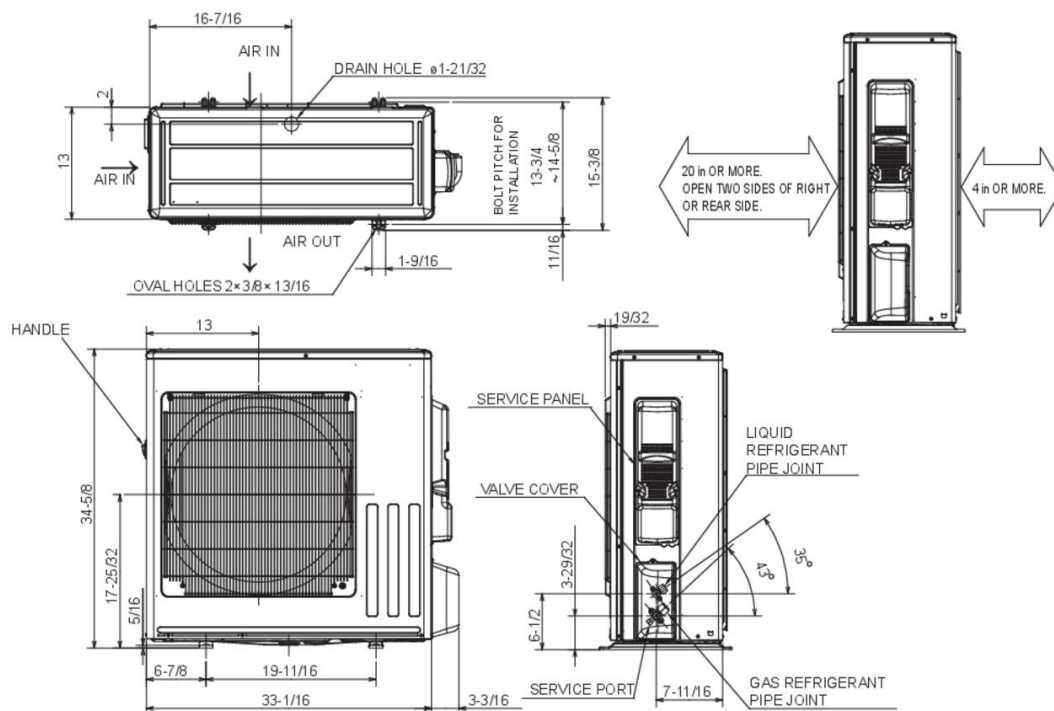
uHeating at -4°F (-20°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // -4°F (-20°C) DB, -15°F (-26.1°C) WB

MFZ-KX15NL

Unit: inch (mm)



## Unit: inch



|                           |                         |                                                                                                                    |
|---------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------|
| REFRIGERANT<br>PIPE JOINT | LIQUID REFRIGERANT PIPE | FLARED $\phi 6.35$ (1/4")                                                                                          |
|                           | GAS REFRIGERANT PIPE    | AA09/12: FLARED $\phi 9.52$ (3/8")<br>AA15/18: FLARED $\phi 12.7$ (1/2")<br>AA24/30/36: FLARED $\phi 15.88$ (5/8") |