



Submittal Data

Submittal Data Model : **MTIU-12HWFN1-M/MOX330-12HFN1-MW5W**

Description:

Job Name:

Location:

Date:

Purchaser:

Engineer:

Submitted to:

For:

Review:

Approval:



Indoor unit code 22023011003875

Outdoor unit code 22022016016220

Set Model

Indoor unit model

MTIU-12HWFN1-M

Outdoor unit model

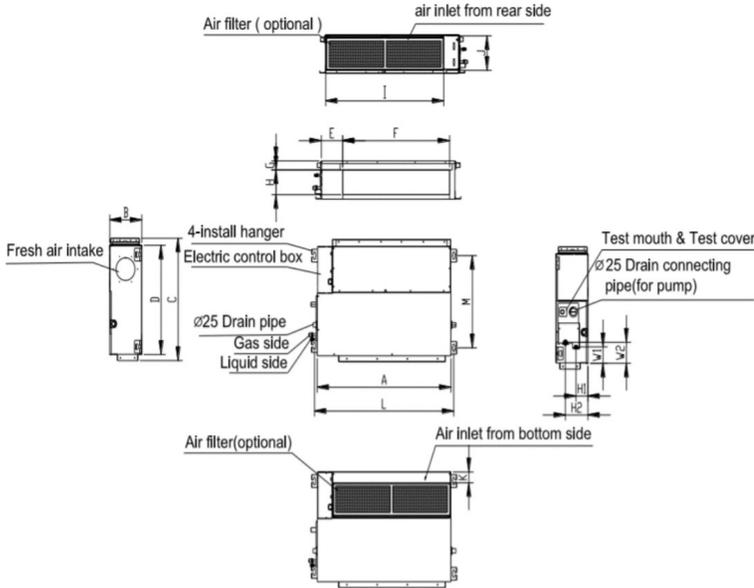
MOX330-12HFN1-MW5W

| SYSTEM PERFORMANCE DATA | | | |
|-------------------------------|-------------|--|---------------------|
| Power supply | | | |
| Normal Operational Voltage | (V, Ph, Hz) | | 208/230, 1, 60 |
| Voltage Range | (V) | | 187-253 |
| Electrical | | | |
| Minimum circuit ampacity | (A) | | 15.0 |
| Max.fuse | (A) | | 15.0 |
| Connection wiring | | | 14*4 AWG |
| Cooling | | | |
| Rated Capacity | (Btu/h) | | 12000 |
| Capacity Range | (Btu/h) | | 2250~14400 |
| Power Input (Max) | (W) | | 923 |
| Rated current | (A) | | 4.22 |
| SEER | (Btu/W) | | 21.5 |
| EER | (Btu/W) | | 13 |
| Heating at 47F | | | |
| Rated Capacity | (Btu/h) | | 12000 |
| Capacity Range | (Btu/h) | | 1800~16300 |
| Power Input (Max) | (W) | | 1000 |
| Rated current | (A) | | 4.58 |
| HSPF4 | (Btu/W) | | 11.5 |
| HSPF5 | (Btu/W) | | 9.5 |
| COP | W/W | | 3.52 |
| Heating at 17F | | | |
| Max Capacity | (Btu/h) | | 12900 |
| REFRIGERANT PIPE DATA | | | |
| Design pressure | (PSIG) | | 550/340 |
| Refrigerant Type | (Oz) | | R410A/41.62 |
| Refrigerant precharge | (ft) | | 25.0 |
| | (m) | | 7.6 |
| Additional charge for each ft | (oz/ft) | | 0.16 |
| | (g/ft) | | 15 |
| Liquid side/ Gas side | (inch) | | 1/4" / 1/2" |
| | (mm) | | 6.35/12.7 |
| Max. pipe length | (ft) | | 82.0 |
| | (m) | | 25.0 |
| Max. difference in level | (ft) | | 32.8 |
| | (m) | | 10.0 |
| Connection method | | | (Flared) |
| Indoor(cooling/ heating) | (Deg. °F) | | 63 ~ 90 / 32 ~ 86 |
| | (Deg. °C) | | 17 ~ 32 / 0 ~ 30 |
| Outdoor(cooling/heating) | (Deg. °F) | | -22~-122 / -22~-75 |
| | (Deg. °C) | | -30 ~ 50 / -30 ~ 24 |

| INDOOR UNIT DATA | | | |
|--|----------|--|----------------------|
| Indoor fan motor | | | |
| Type | | | Cross-Flow |
| Model | | | ZKFN-55-8-22-1 |
| Qty | | | 1 |
| Input | (W) | | 130.0 |
| RLA | (A) | | - |
| LRA | (A) | | --- |
| Winding Resistance | (Ω) | | --- |
| Capacitor | (uF) | | --- |
| Speed(Hi/Mi/Lo) | (r/min) | | 1170/1030/850 |
| Air flow & Noise level | | | |
| Indoor air flow (Hi/Med/Lo) (No duct) | (CFM) | | 352.94/282.35/176.47 |
| Indoor noise level (Hi/Med/Lo) (No duct) | [dB(A)] | | 40/31.5/26.5 |
| Dehumidification | | | |
| | (Pint/H) | | --- |
| Indoor unit | | | |
| Dimension (WxDxH) | (inch) | | 27.56x19.92x7.87 |
| | (mm) | | 700 / 506 / 200 |
| Packing(WxDxH) | (inch) | | 33.86x21.26x11.22 |
| | (mm) | | 860 / 540 / 285 |
| Net/Gross weight | (lbs.) | | 39.24/48.5 |
| | (kg) | | 17.7/21.9 |
| OUTDOOR UNIT DATA | | | |
| Compressor | | | |
| Type | | | KTN110D42UFZ |
| Model | | | DUAL ROTARY |
| Brand | | | GMCC |
| Capacity | (Btu/h) | | 11822.58 |
| Input | (W) | | 885 |
| Rated current (RLA) | (A) | | - |
| Refrigerant oil/oil charge | (ml) | | - |
| Throttle | | | Capillary +EXV |
| Outdoor fan motor | | | |
| Model | | | ZKFN-34-10-1 |
| Qty | | | 1 |
| Input | (W) | | -- |
| RLA | (A) | | -- |
| Speed | (r/min) | | 850/680/450 |
| Air flow & Noise level | | | |
| Outdoor air flow (Max.) | (CFM) | | 1323.50 |
| Outdoor noise level | [dB(A)] | | 56 |
| Outdoor unit | | | |
| Dimension (WxDxH) | (inch) | | 31.69x12.99x21.81 |
| | (mm) | | 805x330x554 |
| Packing (WxDxH) | (inch) | | 36.02x14.57x24.21 |
| | (mm) | | 915x370x615 |
| Net/ Gross weight | (lbs.) | | 73.63/79.37 |
| | (kg) | | 33.4/36 |

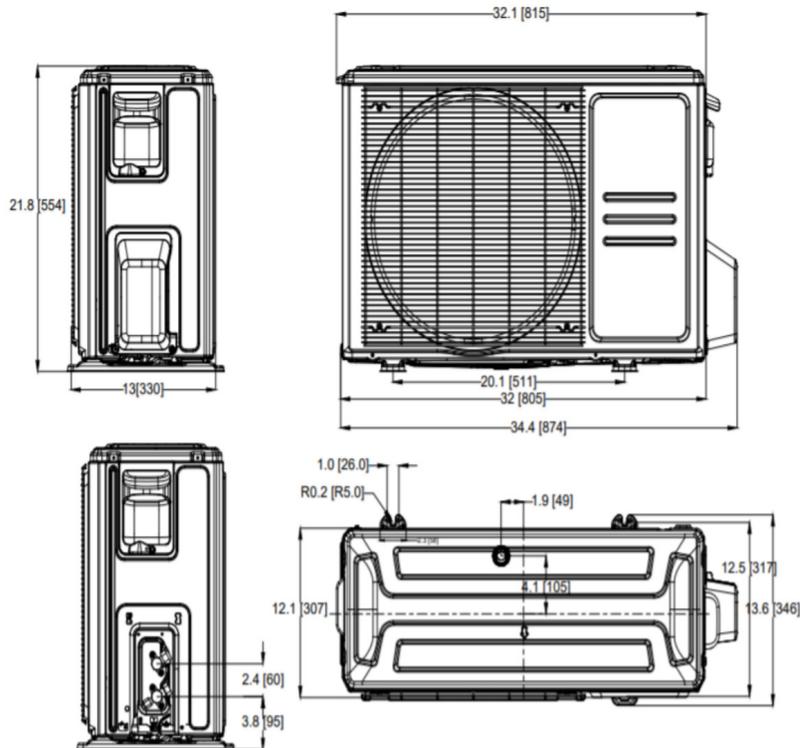


Indoor unit dimension



| Model (KBtu/h) | unit | A | B | C | D | E | F | G | H | I | J | K | L | M | H1 | H2 | W1 | W2 |
|----------------|------|------|------|------|------|-----|------|-----|-----|------|------|-----|------|------|-----|-----|-----|-----|
| 9/12 | mm | 700 | 200 | 506 | 450 | 137 | 537 | 30 | 152 | 599 | 186 | 50 | 741 | 360 | 84 | 140 | 84 | 84 |
| | inch | 27.6 | 7.9 | 19.9 | 17.7 | 5.4 | 21.1 | 1.2 | 6.0 | 23.6 | 7.3 | 2.0 | 29.2 | 14.2 | 3.3 | 5.5 | 3.3 | 3.3 |
| 18 | mm | 880 | 210 | 674 | 600 | 140 | 706 | 50 | 136 | 782 | 190 | 40 | 920 | 508 | 78 | 148 | 88 | 112 |
| | inch | 34.6 | 8.3 | 26.5 | 23.6 | 5.5 | 27.8 | 2.0 | 5.4 | 30.8 | 7.5 | 1.6 | 36.2 | 20.0 | 3.1 | 5.8 | 3.5 | 4.4 |
| 24 | mm | 1100 | 249 | 774 | 700 | 140 | 926 | 50 | 175 | 1001 | 228 | 5 | 1140 | 598 | 80 | 150 | 130 | 155 |
| | inch | 43.3 | 9.8 | 30.5 | 27.6 | 5.5 | 36.5 | 2.0 | 6.9 | 39.4 | 9.0 | 0.2 | 44.9 | 23.5 | 3.1 | 5.9 | 5.1 | 6.1 |
| 36 | mm | 1360 | 249 | 774 | 700 | 140 | 1186 | 50 | 175 | 1261 | 228 | 5 | 1400 | 598 | 80 | 150 | 130 | 155 |
| | inch | 53.5 | 9.8 | 30.5 | 27.6 | 5.5 | 46.7 | 2.0 | 6.9 | 49.6 | 9.0 | 0.2 | 55.1 | 23.5 | 3.1 | 5.9 | 5.1 | 6.1 |
| 48 | mm | 1200 | 300 | 874 | 800 | 123 | 1044 | 50 | 227 | 1101 | 280 | 5 | 1240 | 697 | 80 | 150 | 185 | 210 |
| | inch | 47.2 | 11.8 | 34.4 | 31.5 | 4.8 | 41.1 | 2.0 | 8.9 | 43.3 | 11.0 | 0.2 | 48.8 | 27.4 | 3.1 | 5.9 | 7.3 | 8.3 |

Outdoor unit dimension



211644063