

Multi zone inverter mini split

MODEL: TM30H40

TOSOT

Job Name:

Location:

Engineer Name:

File Resubmit

Contractor:

System No:

Approval Other

Date:

General Features

- High And Low Pressure Protection Features
- Over Load Protection Features
- Over-Current Protection
- Anti Freeze Protection



Unit Performance:

| | |
|---------------------------------|---------------------|
| <i>Cooling:</i> | |
| Capacity (Min-Rated-Max, Btu/h) | 8,188-28,400,33,437 |
| SEER | 21 |
| EER (Btu/h)/w | 12.5 |
| <i>Heating:</i> | |
| Capacity (Min-Rated-Max, Btu/h) | 8,188-30,000-32,414 |
| HSPF | 10.5 |
| COP (W/W) | 3.74 |

Piping

| | |
|--|-------|
| Refrigerant Charge (lbs) | 6.2 |
| Liquid Line (in) | 1/4 |
| Gas Line (in) | 3/8 |
| Max Total Piping (ft) | 229.6 |
| Max ODU to IDU Piping (ft) | 82 |
| Total Piping Length (no add'l refrigerant, ft) | 131.2 |
| Max Elevation between ODU and IDU (ft) | 49.2 |
| Max Elevation between IDU and IDU (ft) | 24.6 |

Operating Range:

| | |
|-----------------|-------|
| Cooling (°F WB) | 0~118 |
| Heating (°F DB) | -5~75 |

Unit Specification

| | |
|---------------------------|----------|
| Refrigerant Type | R410A |
| Refrigerant Control | EEV |
| Sound Pressure (dB(A)) | 59 |
| Net Weight (lbs) | 154 |
| Min. Number IDU | N/A |
| Max. Number IDU | 4 |
| Dehumidification (Pint/h) | N/A |
| Heat Exchanger Coating | GoldFin™ |

Electrical Specification

| | |
|----------------------------------|-----------------|
| Power Supply | 208-230V / 60Hz |
| Communications Wire Size | AWG 14/4 |
| MOP (A) | 30 |
| MCA (A) | 30 |
| Cooling Rated Amps (A) | 9.87 |
| Heating Rated Amps (A) | 10.22 |
| Compressor RLA (A) | 13.9 |
| Fan Motor RLA (A) | 0.53 |
| Nominal Cooling Power Input (kW) | 2.27 |
| Nominal Heating Power Input (kW) | 2.35 |

Compressor:

| | |
|----------|-----------------|
| Quantity | 1 |
| Type | Inverter Rotary |
| Oil/Type | RB68EP |

Fan

| | |
|-------------------------|-----------------------|
| Type | Axial-flow |
| Quantity | 1 |
| Motor/Drive | DC motor/Direct drive |
| Max Air Flow Rate (CFM) | 2354 |

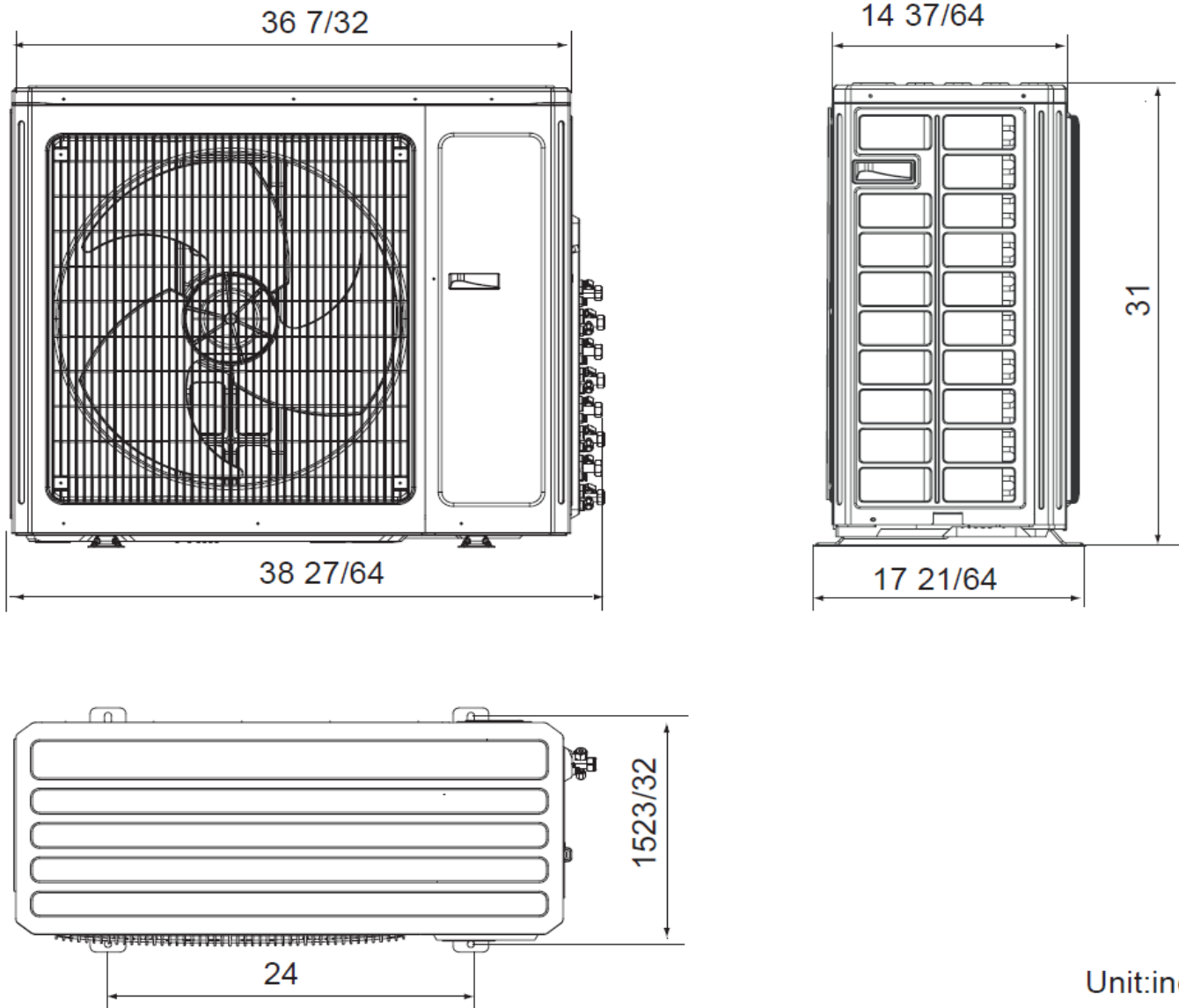


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Outline Dimension Diagram



GLOSSARY

SEER - Seasonal Energy Efficiency Ratio

EER - Energy Efficiency Ratio

HSPF - Heating Seasonal Performance Factor

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

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| <u>COMBINATIONS</u> | <u>30K ODU</u> |
|---------------------|----------------|
| 09 + 09 | ✓ |
| 09 + 12 | ✓ |
| 09 + 18 | ✓ |
| 09 + 24 | ✓ |
| 12 + 12 | ✓ |
| 12 + 18 | ✓ |
| 12 + 24 | ✓ |
| 18 + 18 | ✓ |
| 18 + 24 | ✓ |
| 09 + 09 + 09 | ✓ |
| 09 + 09 + 12 | ✓ |
| 09 + 09 + 18 | ✓ |
| 09 + 09 + 24 | ✓ |
| 09 + 12 + 18 | ✓ |
| 12 + 12 + 12 | ✓ |
| 12 + 12 + 18 | ✓ |
| 09 + 09 + 09 + 09 | ✓ |
| 09 + 09 + 09 + 12 | ✓ |
| 09 + 09 + 09 + 09 | ✓ |

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