NORTH AMERICAN HVAC PRODUCTS LTD.

Tel: 604-430-8496
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www.nahvac.com

# Submittal

## Submittal Data

Submittal Data Model No.: **M3OJ-27HFN1-M**

Description: **27,000 BTU/HR 3 ZONE HEAT PUMP OUTDOOR**

Job Name: Location: Date:

Purchaser: Engineer:

Submitted to: For: Review ☐ Approval: ☐

| **Outdoor Model** | | | **M3OJ-27HFN1-M** |
|---|---|---|---|
| **Output unit data** | | | |
| **Power supply** | Normal Operational Voltage | (V, Hz, Ph) | 208-230,1,60 |
| | Voltage Range | (V) | 187-253 |
| **Electrical** | Minimum circuit ampacity | (A) | 24.5 |
| | Max. fuse | (A) | 30.0 |
| **Outdoor fan motor** | Model | | ZKFN-120-8-2 |
| | Qty | | 1 |
| | Input | (W) | 150.0 |
| | RLA | (A) | - |
| | Speed | r/min | 1050/900/850 |
| **Refrigerant data** | | | |
| Design pressure | | (PSIG) | 550/340 |
| Refrigerant type | | (Oz) | R410A/91.7 |
| Refrigerant precharge | | (ft) | 74.0 |
| Additional charge for each ft-Φ6.35 (1/4") liquid pipe | | (oz/ft) | 0.161 |
| Additional charge for each ft-Φ9.52 (3/8") liquid pipe | | (oz/ft) | 0.322 |
| Liquid state/Gas state | | (inch) | 3 x 1/4”/3 x 3/8” |
| Max. length for all rooms | | (ft) | 197 |
| Max. length for one indoor unit | | (ft) | 98.0 |
| Max height difference between indoor and outdoor unit | | (ft) | 49 |
| Max length between the indoor units | | (ft) | 33 |

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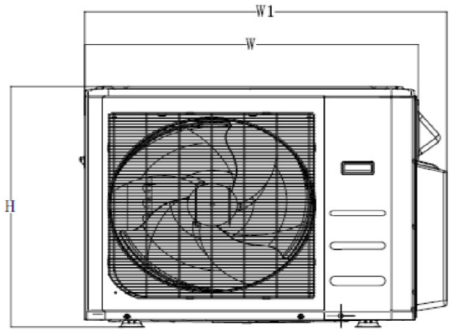
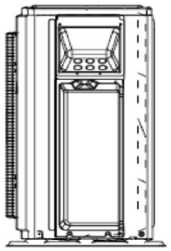
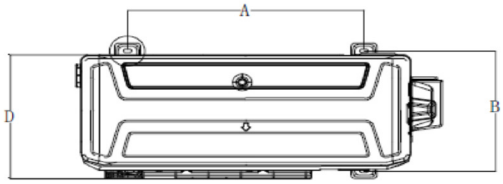
| Outdoor unit data | | | |
|---|---|---|---|
| **Compressor** | Model | | KTM240D43UKT |
| | Type | | ROTARY |
| | Brand | | GMCC |
| | Capacity | (Btu/h) | 24293.44 |
| | Input | (W) | 1895 |
| | Rated current (RLA) | (A) | - |
| | Refrigerant oil/oil charge | (ml) | VG74/620 |
| | Throttle | | Capillary +EXV |
| **Air flow & Noise level** | Outdoor air flow | (CFM) | 2129.41 |
| | Outdoor noise level | [dB/(A)] | 61 |
| **Outdoor unit** | Dimension (WxDxH) | (inch) | 37.24 x 16.14 x 31.89 |
| | Packing (WxDxH) | (inch) | 42.91 x 19.69 x 34.84 |
| | Net/Gross weight | (lbs.) | 139.77/150.57 |
| | | (kg) | 63.4/68.3 |
| **Outdoor (cooling/heating)** | | (Deg F) | -13~122/ -13~86 |
| | | (Deg C) | -25~50/ -25~30 |

| Unit | W | D | H | W1 | A | B |
|---|---|---|---|---|---|---|
| (mm) | 946 | 410 | 810 | 1034 | 673 | 403 |
| inch) | 37.2 | 16.5 | 31.9 | 40.6 | 26.5 | 15.9 |






208121871 Non-ducted
208121872 Ducted
208121873 Mixed