



Mitsutomo Submittal Data Sheet

R-454B 30k Non High Heat Multi Position Air Handler Heat Pump

Job Name: _____

Engineer: _____

Submitted By: _____

Date: _____

Unit Tag: _____

System Info & Features:

- 4 way multi position air handler
- Up to .8" static pressure
- 24V thermostat option
- Heating down to -13°
- Self diagnostics
- Super quiet
- ECM blower motor
- Programmable smart wall thermostat
- Large handheld remote
- Auto condenser coil cleaning cycle



| MODEL NUMBER | |
|---------------|---------------|
| Indoor unit: | UHM30-CB-LA-Q |
| Outdoor unit: | RHO30-NB-LA-Q |
| Certified: | |

| OPTIONAL ACCESSORIES | |
|------------------------|------------|
| 8kw Electric Heat Kit | M-EAH-08-Q |
| 15kw Electric Heat Kit | M-EAH-15-Q |

| SYSTEM PERFORMANCE AND DATA | |
|--------------------------------------|---|
| Cooling Efficiencies and Performance | |
| SEER2 | 17.0 |
| EER2 | 10.7 |
| Rated Capacity | 30000 |
| Min/Max Capacity | 10400~34000 |
| Moisture Removal (L/H) | 3.57 |
| Standard Operating Range (F°) | -13~-122 |
| Conditions: | Indoor: 80F° DB/67F° WB Outdoor: 95F° DB/75F° WB |
| Heating Efficiencies and Performance | |
| HSPF2-4 | 8.5 |
| COP | 3.50 |
| 1. @ 47F° Rated | 31000 |
| 2. @ 47F° Min/Max Capacity | 6400~32000 |
| 3. @ 17F° Rated | 18500 |
| 4. @ 5F° Rated: Capacity / COP | 19100/2 |
| 5. @ 5F° Max: Capacity | 19100 |
| Standard Operating Range (F°) | -13~75 |
| 1. Conditions: | Indoor: 70F° DB/60F° WB Outdoor: 47F° DB/43F° WB |
| 2. Conditions: | Indoor: 70F° DB/60F° WB Outdoor: 17F° DB/15F° WB |
| 3. Conditions: | Indoor: 70F° DB/60F° WB Outdoor: 5F° DB/5F° WB |

| SPECIFICATIONS | |
|--|--|
| Indoor: | |
| Indoor Air Flow (Turbo/H/M/L/Q) (CFM) | 988.85 / 894.67 / 806.38 / 712.21 / 712.21 |
| Indoor Noise Level (Turbo/H/M/L/Q) (DBA) | 46/46/42/29/29 |
| Heating Efficiencies and Performance | |
| Compressor Type | ROTARY |
| Refrigerant | R454B |
| Refrigerant Oil Charge (OZ) | 22.66 |
| Refrigerant Oil | VG74 |
| Outdoor Air Flow (Max) (CFM) | 3001.8 |
| Outdoor Noise Level (DBA) | 60 |

| ELECTRICAL | |
|--|---|
| Indoor Power Supply | 115/208/230V,60Hz,1Ph |
| Indoor Min. Circuit Amps 115V/(208/230V) | 8.0/6.0 |
| Indoor Max Over Current Protection | 15 |
| Outdoor Power Supply | 208/230V,60Hz,1Ph |
| Outdoor Min. Circuit Amps | 22.5 |
| Outdoor Max Over Current Protection | 25 |
| Communication Wiring | 18-2 Mitsutomo Thermostat, 18-10 3rd Party Thermostat |
| Compressor (RLA) | 17 |
| Outdoor Fan Motor (RLA) | 1.1 |
| Outdoor Fan Motor (W) | 120 |
| Indoor Fan Motor (RLA) | 4.5 |
| Indoor Fan Motor (W) | 375 |
| System Power Input @ Cooling (W) | 2778(735 ~ 3230) |
| System Power Input @ Heating (W) | 2595(455 ~ 2550) |

| DIMENSIONS | |
|-----------------------|-----------------------|
| Indoor: | |
| Dimension (W×D×H) | 21.02 x 21.02 x 49.02 |
| Package (W×D×H) | 26.57 x 24.41 x 52.56 |
| Unit Weight (lbs) | 128.97 |
| Shipping Weight (lbs) | 153.44 |
| Outdoor: | |
| Dimension (W×D×H) | 37.24 x 16.14 x 31.89 |
| Package (W×D×H) | 42.91 x 19.68 x 34.84 |
| Unit Weight (lbs) | 141.76 |
| Shipping Weight (lbs) | 152.34 |

| REFRIGERANT PIPE DATA | |
|--|--------|
| Liquid Size (in.) | 3/8 |
| Gas Size (in.) | 3/4 |
| Max. Piping Length (ft) | 164.0 |
| Max. Height Differencex (ft) | 82.0 |
| Max. Pre-charged Length (ft) | 24.6 |
| Refrigerant Pre-charged Amount (oz) | 91.71 |
| Additional Charge of Refrigerant (oz/ft) | 0.7 |
| Connection Method | Flared |

| WARRANTY | |
|----------|-------------------------------------|
| | 5 years compressor 5 years parts |

