

## Mitsutomo Submittal Data Sheet

### R-454B 12K High Heat 1-Way Cassette Heat Pump System

Job Name: \_\_\_\_\_

Engineer: \_\_\_\_\_

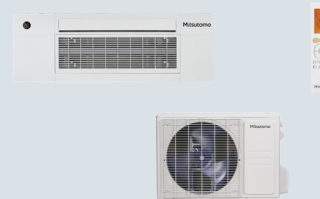
Submitted By: \_\_\_\_\_

Date: \_\_\_\_\_

Unit Tag: \_\_\_\_\_

#### System Info & Features:

- One way ceiling cassette heat pumps
- Fits between most ceiling joists
- Large display and handheld remote
  - 24 hour timer
  - Error code diagnosis
  - Functions settings (see manual)
- 7-Day Programmable wall mount wifi thermostat with infrared
- Economy mode
- Turbo mode
- Dry mode
- Heating down to -22 degrees
- Drop down filter



#### MODEL NUMBER

|               |                                                                                                                                                                                                                                                                                                                                         |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Indoor unit:  | HJ-UZ12-LA-Q                                                                                                                                                                                                                                                                                                                            |
| Outdoor unit: | HO-SZ12-LA-Q                                                                                                                                                                                                                                                                                                                            |
| Certified:    |     |

#### OPTIONAL ACCESSORIES

|                                        |                |
|----------------------------------------|----------------|
| Wifi Adapter                           | 17310900A02901 |
| 3rd Party Thermostat Interface Adapter | 17222000A68532 |

#### SPECIFICATIONS

##### Indoor:

|                                    |       |                                       |
|------------------------------------|-------|---------------------------------------|
| Indoor Air Flow (Turbo/H/M/L/Q)    | (CFM) | 353.2 / 312.0 / 282.5 / 247.2 / 176.6 |
| Indoor Noise Level (Turbo/H/M/L/Q) | (DBA) | 41 / 41 / 37 / 33 / 24                |

##### Heating Efficiencies and Performance

|                        |       |        |
|------------------------|-------|--------|
| Compressor Type        |       | ROTARY |
| Refrigerant            |       | R454B  |
| Refrigerant Oil Charge | (OZ)  | 11.83  |
| Refrigerant Oil        |       | VG74   |
| Outdoor Air Flow (Max) |       | 1471.5 |
| Outdoor Noise Level    | (DBA) | 56     |

#### DIMENSIONS

##### Indoor:

|                 |         |                       |
|-----------------|---------|-----------------------|
| Dimension       | (W×D×H) | 50.31 x 13.19 x 8.98  |
| Package         | (W×D×H) | 57.60 x 22.48 x 22.64 |
| Unit Weight     | (lbs)   | 45.19                 |
| Shipping Weight | (lbs)   | 82.45                 |

##### Outdoor:

|                 |         |                       |
|-----------------|---------|-----------------------|
| Dimension       | (W×D×H) | 31.69 x 12.99 x 21.81 |
| Package         | (W×D×H) | 36.02 x 14.57 x 24.21 |
| Unit Weight     | (lbs)   | 72.75                 |
| Shipping Weight | (lbs)   | 78.70                 |

#### REFRIGERANT PIPE DATA

|                                  |         |        |
|----------------------------------|---------|--------|
| Liquid Size                      | (in.)   | 1/4    |
| Gas Size                         | (in.)   | 3/8    |
| Max. Piping Length               | (ft)    | 82.02  |
| Max. Height Differencex          | (ft)    | 49.21  |
| Max. Pre-charged Length          | (ft)    | 24.6   |
| Refrigerant Pre-charged Amount   | (oz)    | 35.27  |
| Additional Charge of Refrigerant | (oz/ft) | 0.16   |
| Connection Method                |         | Flared |

#### WARRANTY



5 years compressor  
5 years parts

#### SYSTEM PERFORMANCE AND DATA

##### Cooling Efficiencies and Performance

|                          |             |
|--------------------------|-------------|
| SEER2                    | 23          |
| EER2                     | 13          |
| Rated Capacity           | 12000       |
| Min/Max Capacity         | 4000~13900  |
| Moisture Removal         | (L/H)1.69   |
| Standard Operating Range | (F°)-22~122 |

Conditions: Indoor: 80F° DB/67F° WB  
Outdoor: 95F° DB/75F° WB

##### Heating Efficiencies and Performance

|                                |            |
|--------------------------------|------------|
| HSPF2-4                        | 10.0       |
| COP                            | 3.56       |
| 1. @ 47F° Rated                | 12500      |
| 1. @ 47F° Min/Max Capacity     | 4600~15200 |
| 2. @ 17F° Rated                | 9600       |
| 3. @ 5F° Rated: Capacity / COP | 11500/2.0  |
| 3. @ 5F° Max: Capacity         | 11500      |
| Standard Operating Range       | (F°)       |
|                                | -22~-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

#### ELECTRICAL

|                                    |                   |                 |
|------------------------------------|-------------------|-----------------|
| Power Supply                       | 208/230V,60Hz,1Ph |                 |
| System Min. Circuit Amps           |                   | 15.00           |
| Connection Wiring                  |                   | 14/4            |
| System Max Over Current Protection | (A)               | 15              |
| Compressor                         | (RLA)             | 11.6            |
| Outdoor Fan Motor                  | (RLA)             | 0.5             |
| Outdoor Fan Motor                  | (W)               | 34              |
| Indoor Fan Motor                   | (RLA)             | 1.0             |
| Indoor Fan Motor                   | (W)               | 30              |
| System Power Input @ Cooling       | (W)               | 923(147 ~ 1230) |
| System Power Input @ Heating       | (W)               | 1030(362 ~1377) |

