

SUBMITTAL DATA SHEET



Series Name: Console Energy Star Series
Model Number: SZ12H525ZMO/C12H525ZMI

Console Heat Pump System

| | |
|---------------|---------------|
| Location: | Approval: |
| Engineer: | Date: |
| Submitted to: | Construction: |
| Submitted by: | Unit #: |
| Reference: | Drawing #: |



INDOOR SPECIFICATION

| | |
|---|---------------------------------------|
| Indoor Air Flow (Turbo/H/M/L/Si) (CFM) | 441.4 / 376.7 / 323.7 / 188.4 / 129.5 |
| Indoor Noise Level (Turbo/H/M/L/Si) (dBA) | 42/39/34.5/29.5/23.5 |
| Dimension (W×D×H) | inch 31.26 x 7.87 x 24.45 |
| Package (W×D×H) | inch 34.06 x 11.02 x 28.31 |
| Net/Gross Weight | lbs 32.85/41.89 |

OUTDOOR SPECIFICATION

| | |
|------------------------------|----------------------------|
| Compressor Type | ROTARY |
| Compressor Model | KSK103D33UEZ3 |
| Refrigerant | R454B |
| Refrigerant Oil Charge(mL) | 310 |
| Refrigerant Oil | VG74 |
| Outdoor Air Flow (Max) (CFM) | 1236.1 |
| Outdoor Noise Level (dBA) | 54.5 |
| Dimension (W×D×H) | inch 30.12 x 11.93 x 21.85 |
| Package (W×D×H) | inch 34.92 x 13.27 x 24.02 |
| Net/Gross Weight | lbs 62.17/67.68 |

EFFICIENCY

| Cooling | | Heating | |
|---------|------|---------|------|
| SEER2 | 24.6 | HSPF2-4 | 11.0 |
| EER2 | 12.7 | COP | 3.90 |

PERFORMANCE of Cooling

| Cooling (Btu/hr) | |
|---------------------------------|--------------------------|
| Rated Capacity | 12000 |
| Min/Max Capacity | 4000~13100 |
| Moisture Removal(L/h) | 1.28 |
| Standard Operating Range(°F/°C) | -13~-122(-25~50) |
| Conditions: | Indoor: 80°F DB/67°F WB |
| | Outdoor: 95°F DB/75°F WB |

PERFORMANCE of Heating

| Heating (Btu/hr) | |
|---------------------------------|--------------------------|
| 1. @ 47°F Rated | 12000 |
| 1. @ 47°F Min/Max Capacity | 5100~12900 |
| 2. @ 17°F Rated | 9000 |
| 3. @ 5°F Rated: Capacity / COP | 8900/2.50 |
| 3. @ 5°F Max: Capacity | 8900 |
| Standard Operating Range(°F/°C) | -13~75(-25~24) |
| 1. Conditions: | Indoor: 70°F DB/60°F WB |
| | Outdoor: 47°F DB/43°F WB |
| 2. Conditions: | Indoor: 70°F DB/60°F WB |
| | Outdoor: 17°F DB/15°F WB |
| 3. Conditions | Indoor: 70°F DB/60°F WB |
| | Outdoor: 5°F DB/5°F WB |

ELECTRICAL

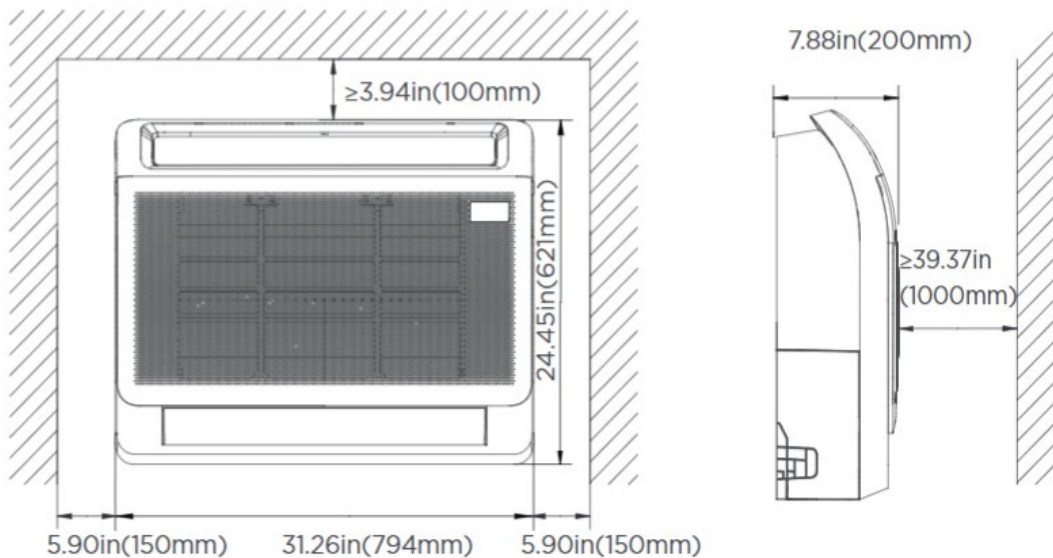
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|----------------------------------|--|
| Power Supply | 208/230V,60Hz,1Ph |
| System MCA | 12.00 |
| Connection Wiring | 14#x4 |
| System MOCP | 15 |
| Compressor RLA | 7.3 |
| Outdoor Fan Motor RLA | 0.6 |
| Outdoor Fan Motor W | 34 |
| Indoor Fan Motor RLA | 0.5 |
| Indoor Fan Motor W | 13 |
| System Power Input @ Cooling (W) | 960(200 ~ 1140) |
| System Power Input @ Heating (W) | 897(265 ~1200) |
| MCA: Min. circuit amps (A) | MOCP: Max. over current protection (A) |
| RLA: Rated load amps (A) | W: Fan motor rated output (W) |

PIPING

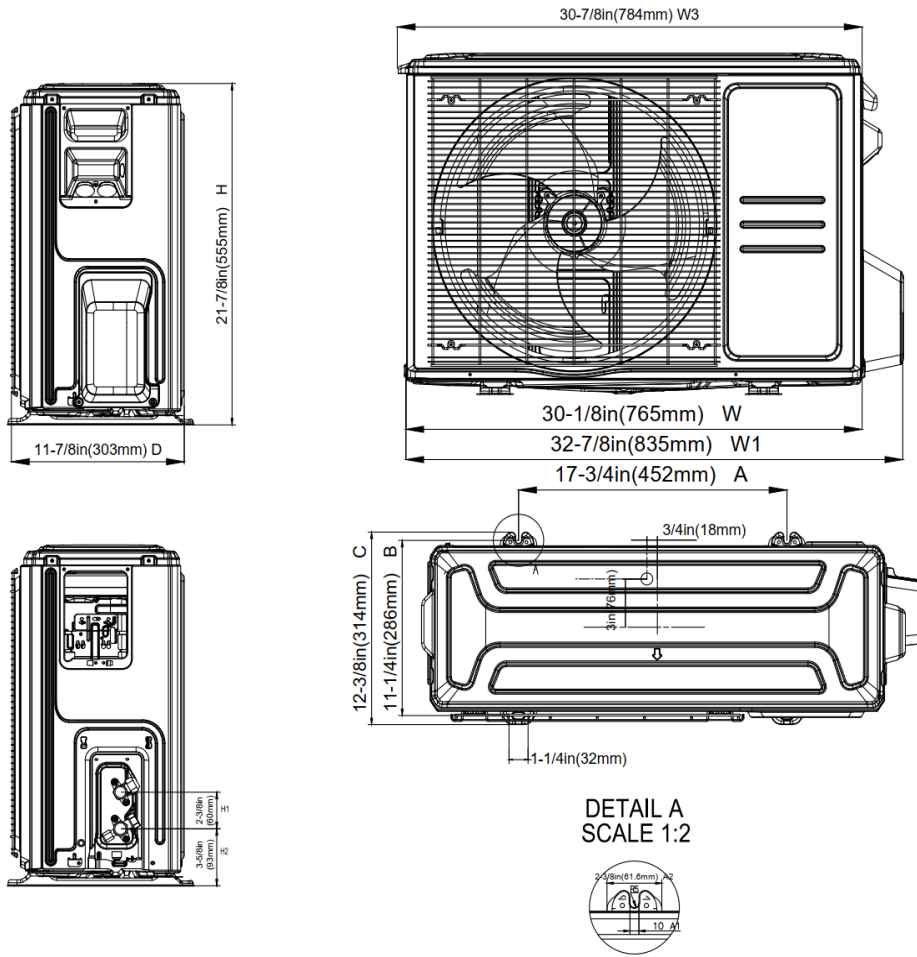
| | |
|---|---------------|
| Throttle type(Indoor) | N/A |
| Throttle type(Outdoor) | EXV |
| Liquid Size | 6.35mm(1/4in) |
| Gas Size | 9.52mm(3/8in) |
| Max. Piping Length(ft/m) | 82.00(25) |
| Max. Height Difference(ft/m) | 49.20(15) |
| Max. Pre-charged Length(ft/m) | 24.6(7.5) |
| Refrigerant Pre-charged Amount(oz/kg) | 32.45(0.92) |
| Additional Charge of Refrigerant((oz/ft)/(g/m)) | 0.16(15) |
| Connection Method | Flared |

- Compact Design
- Dual Air Outlets
- Refrigerant leakage detection sensor
- Humidity sensor
- 1~100% fan speed setting
- WiFi capability: through WiFi dongle or wired controller with built-in WiFi
- OTA(by using WiFi dongle)
- Multiple control options available:
 - Two way communication wired controller:120N(X6)
 - Two way communication wired controller with built-in WiFi:120N(X6W)
 - Infrared wired controller: 120L
 - Wireless remote controller
 - Third-Party 24V Thermostat*

Installation Instruction



Outdoor Unit Dimension



Installation Instruction

