

1.5. Specifications

| ITEMS | UNITS | SPECIFICATIONS | |
|---|-------------------|---|-------------|
| | | 50Hz | 60Hz |
| Cooling Capacity (1) | kW | 10.0 | 11.6 |
| Refrigerant | | R407C | |
| Refrigerant Charge | kg | 5.0 | |
| Power Supply Voltage | Rated | 3φ-380/400 | 3φ-460/480V |
| | Scale | 3φ-342~440V | 3φ-414~506V |
| Total Input Power (peak) | kVA | 8.8 | 10.9 |
| Total Input Power (continuous) | kVA | 5.0 | 6.2 |
| Total Current | A | 13 | 15 |
| Air Heat load when cooling gradient coil | kW(BTU/hr) | 15.2(55600) | 16.8(61440) |
| Air Heat load when cooling coldhead compressor | kW(BTU/hr) | 13.8(50500) | 15.4(56320) |
| Compressor | set | 1 | |
| Power Input (1) | kW(HP) | 3.64 (4.9) | 4.30(5.8) |
| Current (1) | A | 6.7 | 7.9 |
| Maximum Current | A | 8.7 | 8.7 |
| Starting Current | A | 51.0 | 51.0 |
| Axial Fan. | n | 1 | |
| Horse Power | HP | 0.4 | 0.53 |
| Current | A | 1.25 | 1.7 |
| Nominal Air Flow | M ³ /h | 5000 | 6000 |
| Refrigerant-water Heat Exchanger | set | 1 | |
| Water Flow (1) | L/min(GPM) | 23.2(6.1) | 23.2(6.1) |
| Water Resistance (1) | kPa | 22.5 | 22.5 |
| Refrigerant Circuits | set | 1 | |
| Capacity Control Stages | n. | 2 | |
| Capacity Control Methods | | hot gas bypass | |
| Water Pump | set | 1 | |
| Head | m | 52.0 | 75.0 |
| Horse Power | HP | 1.48 | 2.01 |
| Current | A | 3.0 | 3.6 |
| Coolant | | 50/50 mixture of propylene glycol and de-ionized water solution, with additive of rust inhibitor and yellow dye | |
| Water Tank Content | Liter(gal) | 33(8.7) | |
| Set Point Range | °C (°F) | 15°C ~ 25°C (59°F to 77°F) | |
| Control Accuracy | °C (°F) | ±1.0°C (1.8°F) | |
| Noise | dB(A) | 69.0 | 73.5 |
| Dimension | | | |
| Length | mm(inch) | 1410(55.34) | |
| Width | mm(inch) | 684.2(26.94) | |
| Height | mm(inch) | 1155(45.47) | |
| Net Weight | kg(pound) | 270(585) | |
| Weight of Unit when Filled | kg(pound) | 310(683) | |
| (1)-rated conditions: ambient temperature: 43°C (109.4°F); supply coolant temperature: 20°C (68°F);return coolant temperature:25°C (77°F) | | | |

We recommend the main power fuse connected to the chiller should be equipped with 25A.

Table- 4 Specifications