

1. Application

Air Conditioner Type	Cooling & Heating
Refrigerant Type	R22
Maximal Refrigerant Charged	3.97 lbs Max
Power Source	1 ϕ -60Hz-208/230V
Safety Approval	TUV, CCC

2. Specification

Compressor Type	Hermetic Motor Compressor
Displacement	12.91in ³ /rev.
Oil Charged	SUNISO 4GSD or NM56EP or Equivalent 20.97 oz
Weight (Oil Included)	36.38 lbs

3. Motor Specification

Motor Type	Single Phase Induction Motor • PSC
Pole Numbers	2 Poles
Insulation Grade	E Grade
Coil Resistance (at 68°F)	Main: 1.38 \pm 5% Ω Aux.: 2.18 \pm 5% Ω
Locked Rotor Amps	(at 1 ϕ -60Hz-208/230V) 56.0 \pm 10% A
Running Capacitor	Capacity: 55 μ F Withstanding Voltage: \geq 400VAC

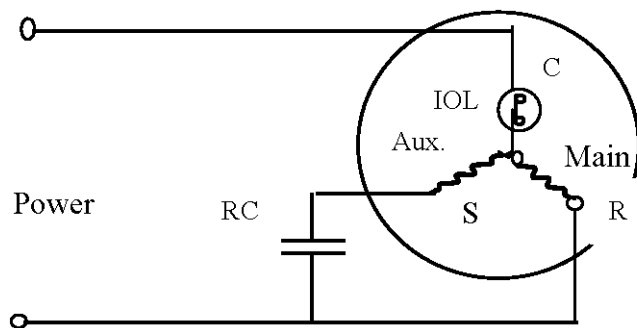
4. Rated Performance Parameters

Rated Capacity	24,021 BTU	
Rated Input Power	2215 / 2350	±5% W
Rated Input Current	10.7 / 10.7	±5% A
% COP	318 / 303	±5%
NOISE	dB(A)	74 MAX
VIBRATION	ft/s ²	12.47 MAX

Rating Condition

Power Source	1φ-60Hz-208/230V	1φ-60Hz-208/230V
Cond. Temp.	54.4°C / 130°F	54.4°C / 130°F
Evap. Temp.	7.2°C / 45°F	7.2°C / 45°F
Return Gas Temp.	35°C / 95°F	18°C / 64.4°F
Liquid Temp.	46.1°C / 115°F	
Ambient Temp.	35°C / 95°F	20°C / 68°F
Discharge Tube Temp.	85°C / 185°F (Forced Air)	80°C / 176°F

5. Wire Connection Figure



- S: START (AUX WINDING)
- R: RUN (MAIN WINDING)
- C: COMMON
- RC: RUNNING CAPACITOR
- IOL: Internal Overload Protector

6. Other Application Notice

1. When designing the connection tube, the installer should consider the vibration stress at the compressor's start and stop to ensure it doesn't get damaged.
2. Do not put a compressor on its side or turn it over. It must always remain standing upright.
3. Please install the compressor right after removing the plugs.
4. When the amount of refrigerant charged in the air conditioner is over the max amount allowable, compressor specification should be discussed. (Install additional accumulator, oil heater, etc.)
5. Refrigerant must always be filled from the high side of the refrigeration system.
6. Avoiding compressor running in reverse by connecting electrical wires correctly.
7. Do not allow electric cables or the like to touch compressor directly.
8. To avoid water droplets and dust into the compressor, moisture-proof or dust-proof measures must be taken.
9. For split type air conditioners, the maximum piping length should be 49.21 feet, and elevation difference should be within 16.4 feet.
10. Wear safety goggles when servicing the unit.

