

1. Application

A/C Type	Cooling & Heating System
Refrigerant Type	R32/R410A
Maximal Refrigerant Charged	1.8 LBS / 0.9 Kg Max
Power Source	Single Phase 1-60HZ-115V
Safety Approval	UL, CB

2. Specification

Compressor Type	Hermetic Motor Compressor
Displacement	4.2in ³ /rev.
Oil Charged	Ester Oil VG68•10.1 oz
Weight (Oil Included)	25.8lbs

3. Motor Specification

Motor Type	Single Phase Induction Motor • PSC
Pole Numbers	2 Poles
Insulation Grade	E Grade
Coil Resistance (at 20°C)	Main:0.72±5%Ω Aux.:1.46±5%Ω
Locked Rotor Amps	(at 1Φ-60HZ-120V) 51±10% A
Running Capacitor	Capacity: 70 μF Withstanding Voltage: ≥250V

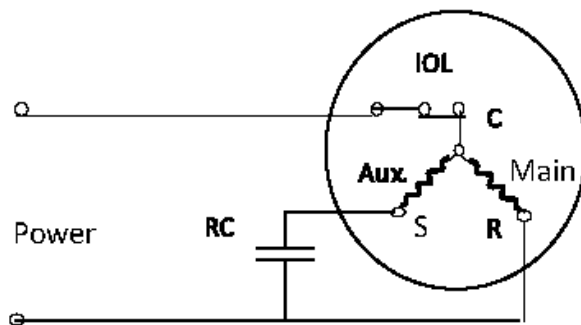
Remark: 60μF capacitor can be used with this compressor.

4. Rated Performance Parameters

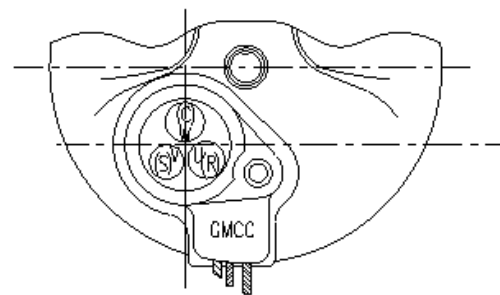
Rated Capacity R32 / R410A	3290 / 3695	±5% W
Rated Input Power	1115	±5% W
Rated Input Current	9.95	±5% A
% COP(*Remarks) %	295	±5%
NOISE	dB(A)	70 MAX
VIBRATION	m/s ²	12 MAX

Rating Condition

Power Source	1φ-60HZ-115V
Cond. Temp.	54.4.0°C / 130°F
Evap. Temp.	7.2°C / 45°F
Return Gas Temp.	18.3°C / 65°F
Liquid Temp.	46.1°C / 115°F
Ambient Temp.	35°C / 95°F

5. Wire Connection Figure

S: START (Aux Winding)
R: RUN (Main Winding)
C: COMMON
RC: Run Capacitor
OLP: Overload Protector



6. Other Application Notice

1. When designing the connection tube, the installer should consider the vibration stress at the compressors 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.

