

1. Application

A/C Type	Cooling & Heating A/C System
Refrigerant Type	R410A
Maximal Refrigerant Charged	1.8 Kg Max
Power Source	Single Phase 1ϕ-60Hz-208-230V
Safety Approval	TUV/UL

2. Specification

Compressor Type	Hermetic Motor Compressor
Displacement	19.86 cm ³ /rev.
Oil Charged	VG 74-570 ·ml
Weight (Oil Included)	18.1 Kg
I.D. of Discharge Pipe	9.8 ±0.1mm
I.D. of Suction Pipe	12.9 ^{+0.2} _{-0.1} mm

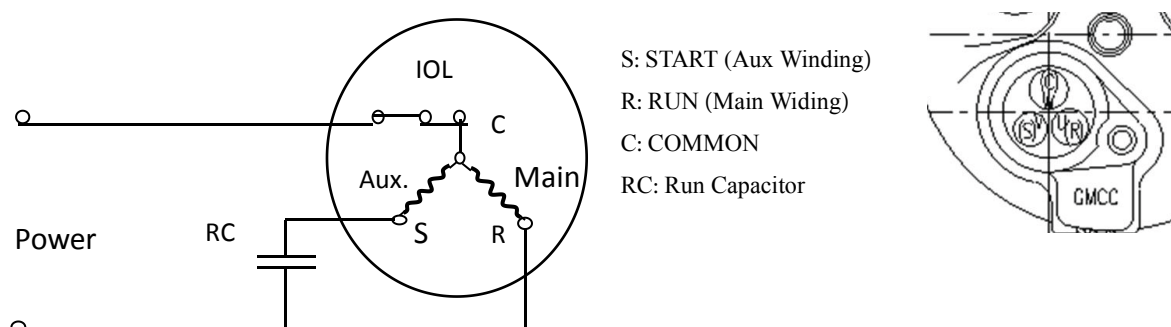
3. Motor Specification

Motor Type	Single Phase Induction Motor · PSC
Pole Numbers	2 Poles
Insulation Grade	B Grade
Coil Resistance (at 68°F)	Main: 1.44 ±5%Ω Aux.: 1.15 ±5%Ω
Locked Rotor Amps	at 1 ϕ -60HZ-240V 43 ±10% A
Runing Capacitor	55 μF- 450V

4. Rated Performance Parameters

Rated Capacity	5975/6040	$\pm 3\%$ W	20,609 BTU
Rated Input Power	1895/1890	$\pm 3\%$ W	
Rated Input Current	9.15/8.35	$\pm 3\%$ A	
COP(*Remarks) %	315/320	$\pm 3\%$	
NOISE (Sound Power Level)	dB(A)	★ 74	MAX
VIBRATION	m/s ²	★ 15	MAX

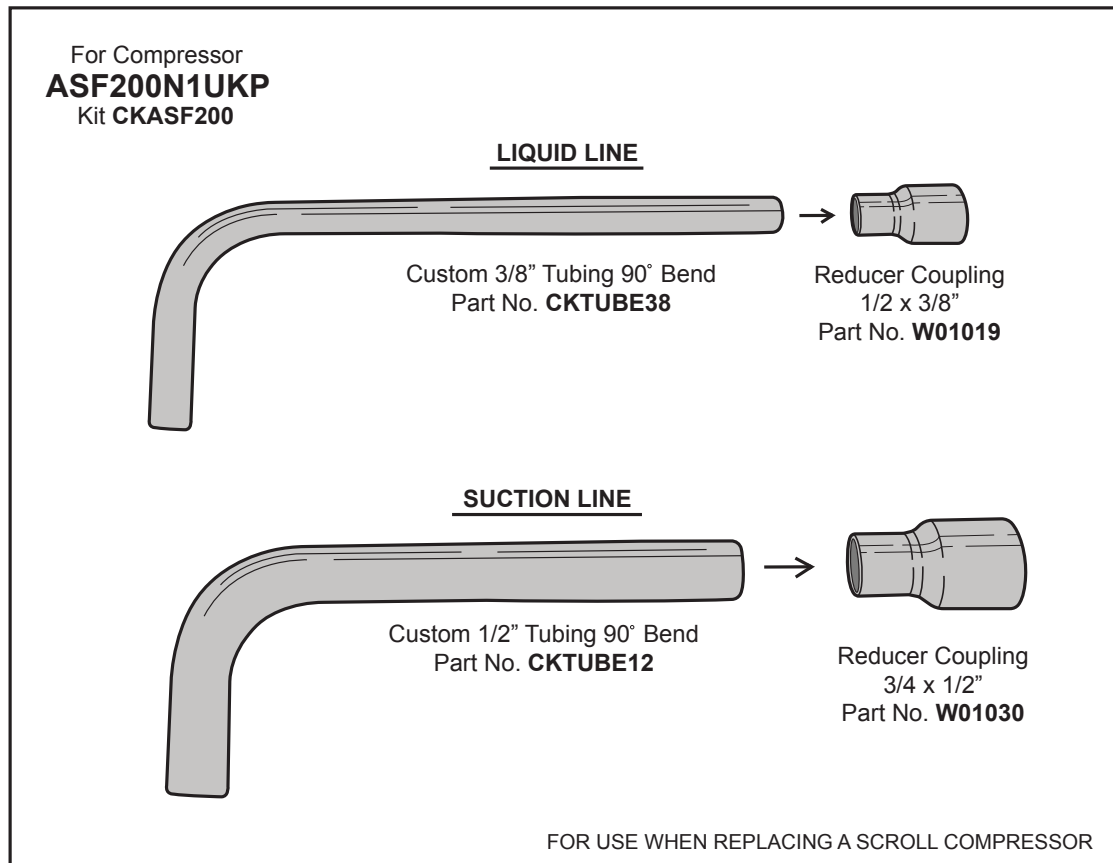
5. Wire Connection Figure



6. Application Notice:

- When design the connection tube, the system should be consider the vibration stress at the compressor start, stop and the system transportation status , ensure it doesn't be damaged. The recommendation value of the connection tube stress is below 34.3N/mm² at the start, stop status and below 19.6N/mm² at the running status.
- Do not put a compressor on its side or turn it over. And do not fall it off when moving.
- Compressing air is not permitted.
- Please assemble the compressor in your Air Conditioner rapidly after removing the plugs. Don't place the compressor in air for a long time.
- Please use the accessories indicated by Our Company.

6. 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.)
7. Refrigerant must always be filled from the higher side of the refrigeration cycle.
8. Avoiding compressor running in reverse caused by connecting electrical wire incorrectly. (Don't reuse the compressor after running in reverse.)
9. The compressor should be kept out of storing in open storage or corrosive atmosphere such as in a chemicals storage and so on.
10. Do not allow electric cables or the like to touch compressor directly.
11. To avoid water droplets and dust into the compressor, moisture-proof or dust-proof measures must be take.
12. For split type Air Conditioner, the maximum piping length should be 15m, and elevation difference should be within 5m.
13. Do not fill refrigeration cycles with other refrigerant except R410A.
14. Do not touch the compressor with bare hands during operation or immediately after stoppage. The compressor is at a high temperature. There is the danger of burns.
15. Wear safety goggles when servicing the unit. When removing the tubes by heating it with a burner, there is the danger of burns or eye injury if the refrigerant and/or oil remaining in the tubes is emitted.



COMPRESSOR DRAWING

