

1. Application

A/C Type	Cooling & Heating A/C System
Refrigerant Type	R32/R410A
Maximal Refrigerant Charged	1.0 Kg Max
Power Source	Single Phase 1φ-208V~230V-60Hz
Safety Approval	UL
Applicable Climate Type	T1

2. Specification

Compressor Type	Hermetic Motor Compressor
Displacement	20.93 cm ³ /rev.
Oil Charged	VG68·410 ±15 ml
Weight (Oil Included)	17.2 ±3% Kg
Accumulator Effective volume	350ml

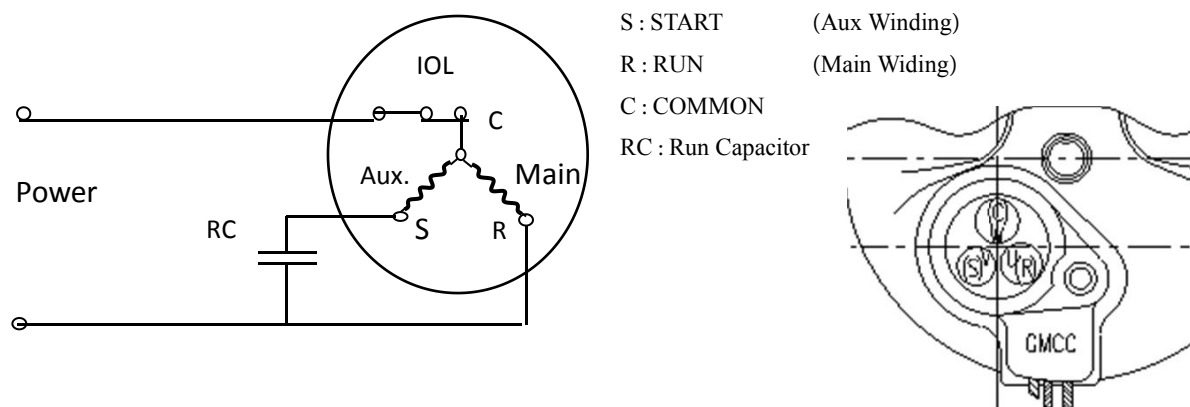
3. Motor Specification

Motor Type	Single Phase Induction Motor·PSC
Pole Numbers	2 Poles
Insulation Grade	B Grade
Coil Resistance(at 68°F)	Main: 1.37 ±5%Ω Aux.: 1.03 ±5%Ω
Locked Rotor Amps	(at 1φ-240V-50Hz) ±10% 55 A
Ruing Capacitor	60 μF-400V

4. Rated Performance Parameters

Rated Capacity	7920/7980	$\pm 3\%$ W	R32 > 27,228 BTU R410A > 25,574 BTU
Rated Input Power	1800/1840	$\pm 3\%$ W	
Rated Input Current	8.75/8.10	$\pm 3\%$ A	
COP(*Remarks) %	440/434		
NOISE (Sound Power Level)	dB(A)	71	MAX
VIBRATION	m/s ²	11	MAX

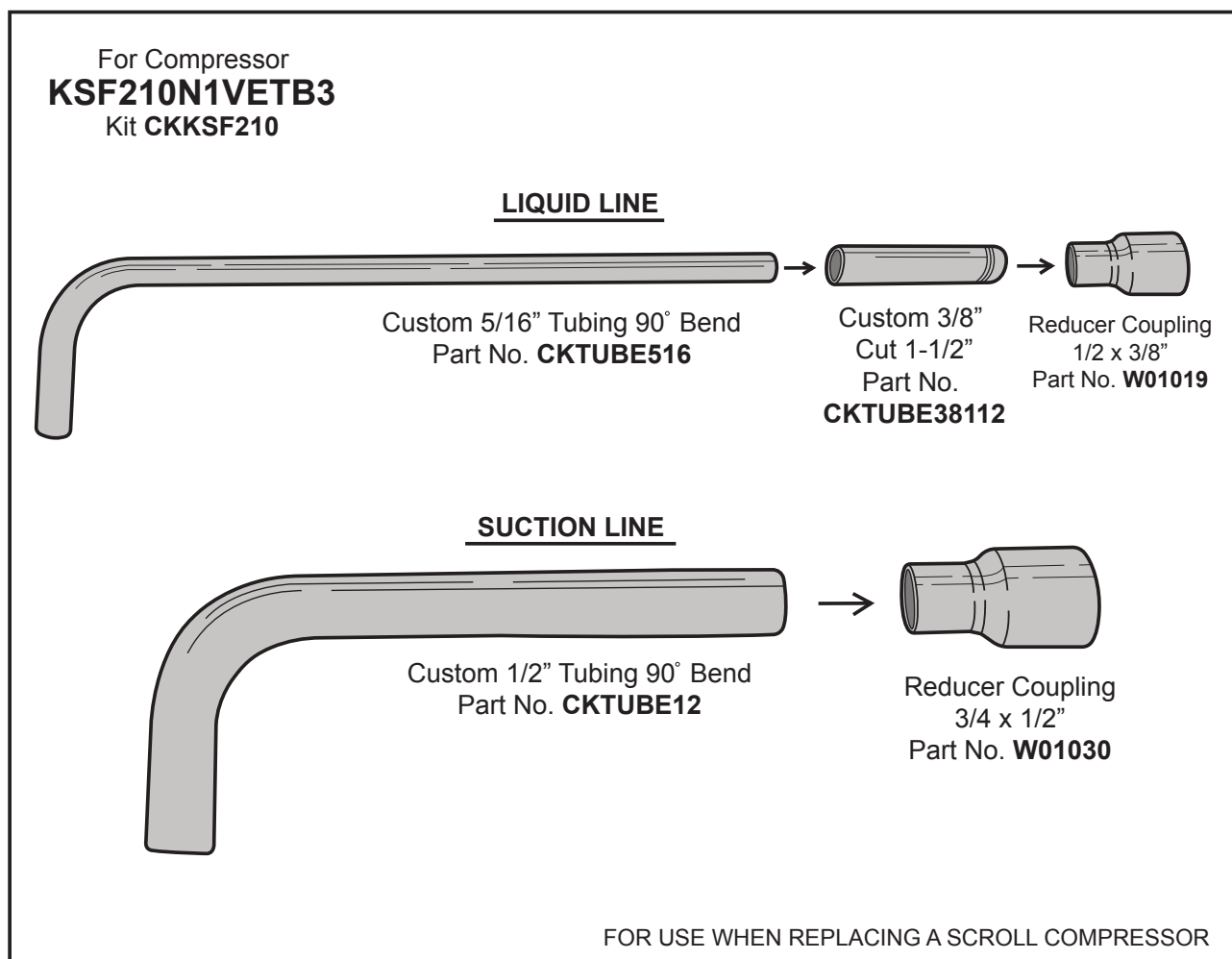
5. Wire Connection Figure



8. Application Notice

1. 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 40Mpa at the start, stop status and below 15Mpa at the running status.
2. Do not put a compressor on its side or turn it over. And do not fall it off when moving.
3. Compressing air is not permitted.
4. Please Assemble the Compressor in Your Air Conditioner Rapidly after Removing the Plugs. Do not leave the compressor for more than 10 minutes without plug.
5. 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 R32/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 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.
16. the tubes is emitted.
17. Do not remove the terminal cover when welding the discharge pipe and a heat shield is required to protect the terminal cover from the impact of welding heat.



COMPRESSOR DRAWING

