

1. Application

A/C Type	Cooling & Heating A/C System
Refrigerant Type	R410A
Maximal Refrigerant Charged	3.97lbs Max
Power Source	Single Phase 208-230V 60Hz
Safety Approval	UL

2. Specification

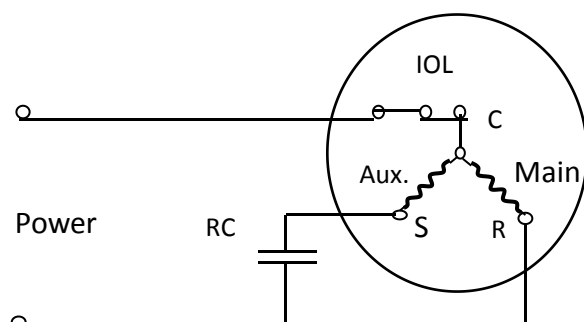
Compressor Type	Hermetic Motor Compressor
Displacement	11.8in ³ /rev.
Oil Charged	ESTER OIL VG74 · 18.9 oz ±0.51 oz
Weight (Oil Included)	42.88lbs ±6.6% lbs
I.D. of Discharge Pipe	φ0.39±0.0039in
I.D. of Suction Pipe	φ0.64 $\begin{matrix} +0.0079 \\ -0.0039 \end{matrix}$ in

3. Motor Specification

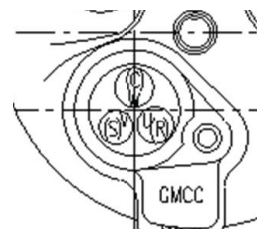
Motor Type	Single Phase Induction Motor· PSC
Pole Numbers	2 Poles
Insulation Grade	E Grade
Coil Resistance(at 68°F)	Main: 0.91±5%Ω Aux.: 1.17±5%Ω
Locked Rotor Amps	at 1φ-240V-60Hz 72±10% A
Running Capacitor	60/7.5 dual 440vac (included in this kit)

4. Rated Performance Parameters

Rated Capacity	30,521 BTU	
Rated Input Power	2820/2850	±3% W
Rated Input Current	13.70/12.70	±3% A
COP(*Remarks) %	316/314	±3%
NOISE dB(A) (Sound Power Level)	81 MAX	
VIBRATION m/s²	20 MAX	

5. Wire Connection Figure


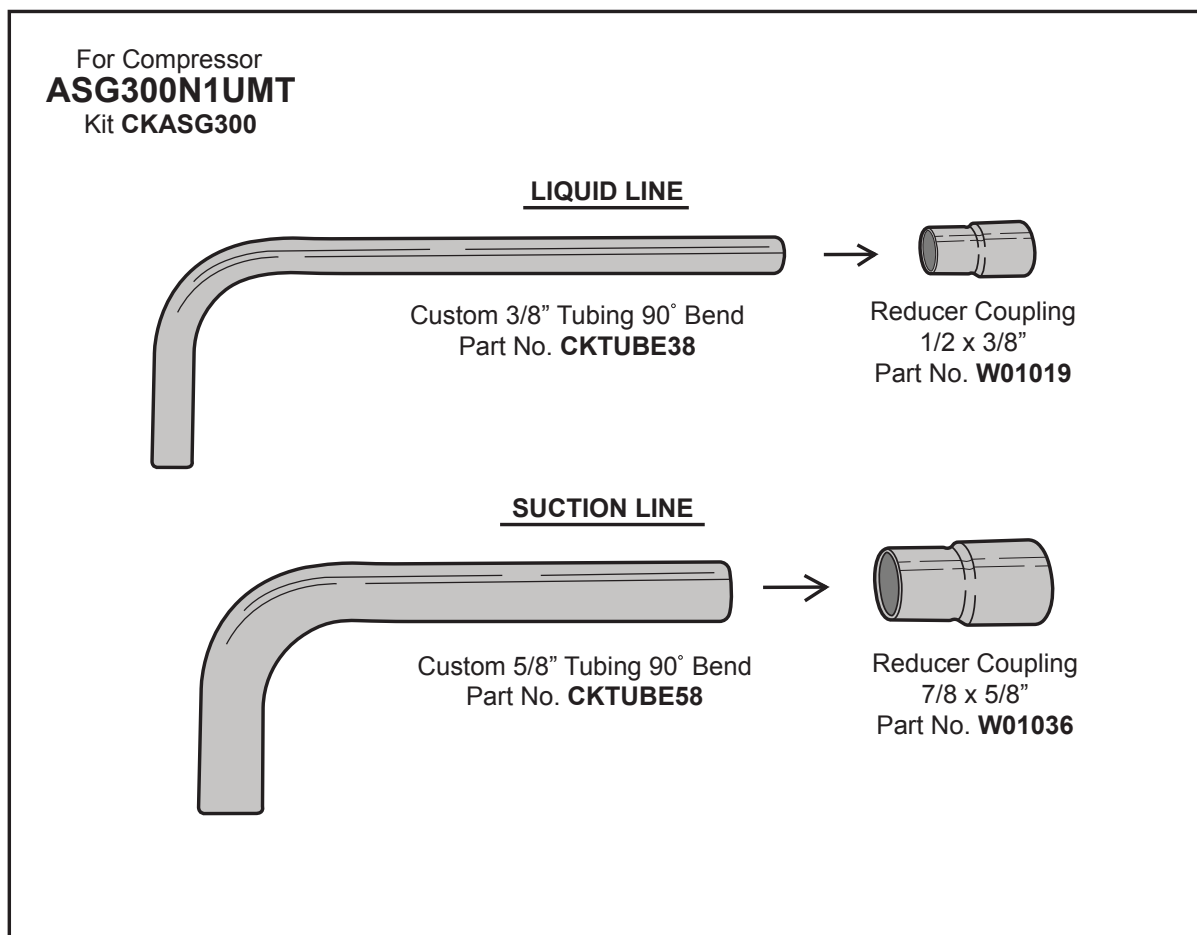
S : START (Aux Winding)
 R : RUN (Main Winding)
 C : COMMON
 RC : Run Capacitor


6. 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 rapidly 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. Avoid 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 conditioner, the maximum piping length should be 49.21ft, and elevation difference should be within 16.4ft.
10. Wear safety goggles when servicing the unit.
11. Below warning must be written into maintenance and user manual of whole unit:
WARNING:
 - - When recharge the refrigerant,the processing must be done by the manufacturer or manufacturer appointed repair shop or service agent because correct type of refrigerant must be ensured.
 - - Prohibition of mixing the refrigerants.
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

FOR USE WHEN REPLACING A SCROLL COMPRESSOR



*Replace This
Scroll Compressor With*

*This Rotary Compressor With
The Provided Re-Piping
Kit In The Box*



COMPRESSOR DRAWING

