

**1. Application**

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

**2. Specification**

Compressor Type	Hermetic Motor Compressor
Displacement	7.48 in <sup>3</sup> /rev.
Oil Charged	VG 2.5 · 19.3 oz
Weight (Oil Included)	39.9lbs
I.D. of Discharge Pipe	0.39 ±0.0039 in
I.D. of Suction Pipe	0.51 $\begin{matrix} +0.0079 \\ -0.0039 \end{matrix}$ in

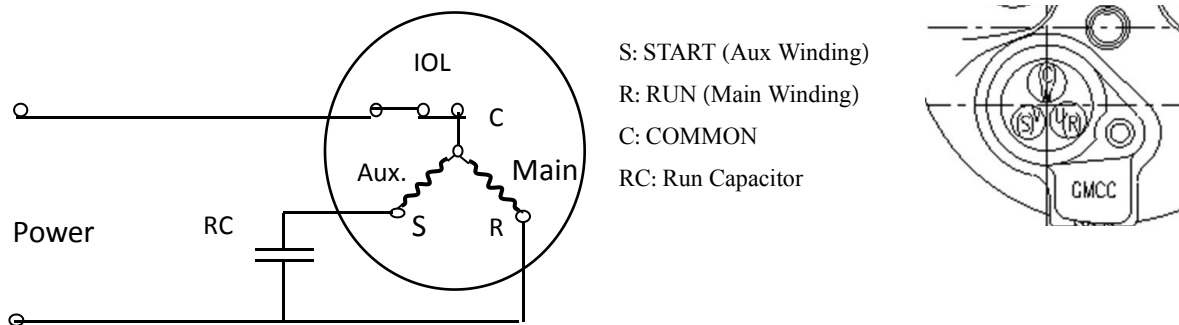
**3. Motor Specification**

Motor Type	Single Phase Induction Motor · PSC
Pole Numbers	2 Poles
Insulation Grade	B Grade
Coil Resistance (at 68°F)	Main: 1.44 ±5%Ω Aux.: 1.15 ±5%Ω
Locked Rotor Amps	At 1φ-60HZ-240V 43±10% A
Running Capacitor	55/7.5 dual 440vac (included in this kit)

#### 4. Rated Performance Parameters

Rated Capacity	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 <sup>2</sup>	15 MAX

#### 5. Wire Connection Figure

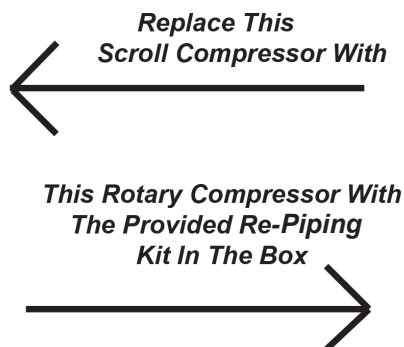
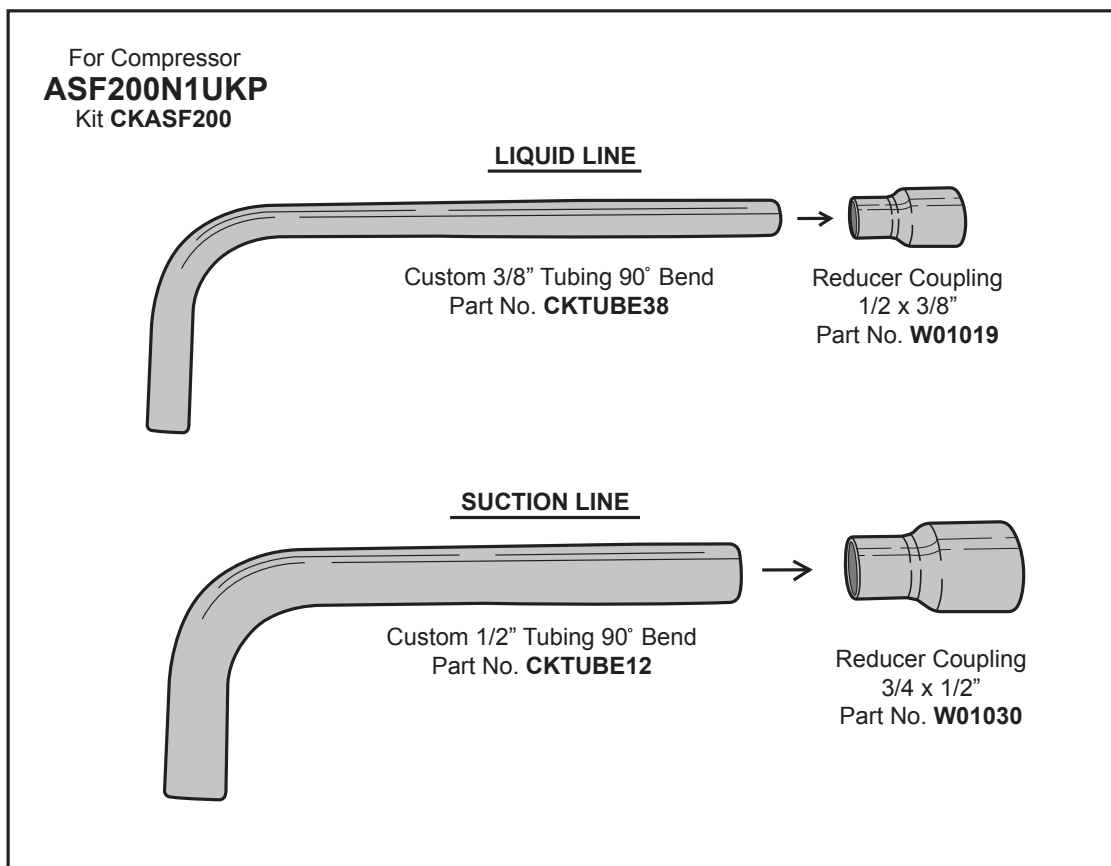


#### 6. Application Notice:

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 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.

### FOR USE WHEN REPLACING A SCROLL COMPRESSOR



## COMPRESSOR DRAWING

