

# COMPRESSORS, CHILLERS & CONDENSERS

## INFORMATION GUIDE

Unless otherwise noted, capacity ratings for air conditioning applications are:

Evaporator Temp	45° F
Condenser Temp	130° F
Liquid Temp	115° F
Return Gas Temp	65° F
Ambient Temp	95° F

### Abbreviations:

CFM	Cubic Feet Per Minute
PWS	Part Wind Starting
SC	Sub-Cooling Temperature
SCT	Saturated Condenser Temperature
SGT	Actual Suction Gas Temperature
SST	Saturated Suction Temperature
XL	Across the Line Start

### Tecumseh Compressor Notes:

High Efficiency Rating Conditions to be used only when "HE" follows capacity:

**DO NOT** Substitute a compressor rated at standard conditions with a TECUMSEH High Efficiency Compressor unless capacity ratings are adjusted. When substituting FOR or TO a "HE" compressor the capacity of the "HE" compressor **MUST BE** reduced 15%.

### EXAMPLES:

1. Require a substitute for an 8000 BTU Compressor:  
Select P031-0902 rated 9400E  
 $9400 \times .85 = 7990$  BTUH
  
2. Require a substitute for P031-0902 rated 9400E BTUH:  
 $9400 \times .85 = 7990$  BTUH

Select an appropriate 8000 BTUH compressor to replace P031-0902