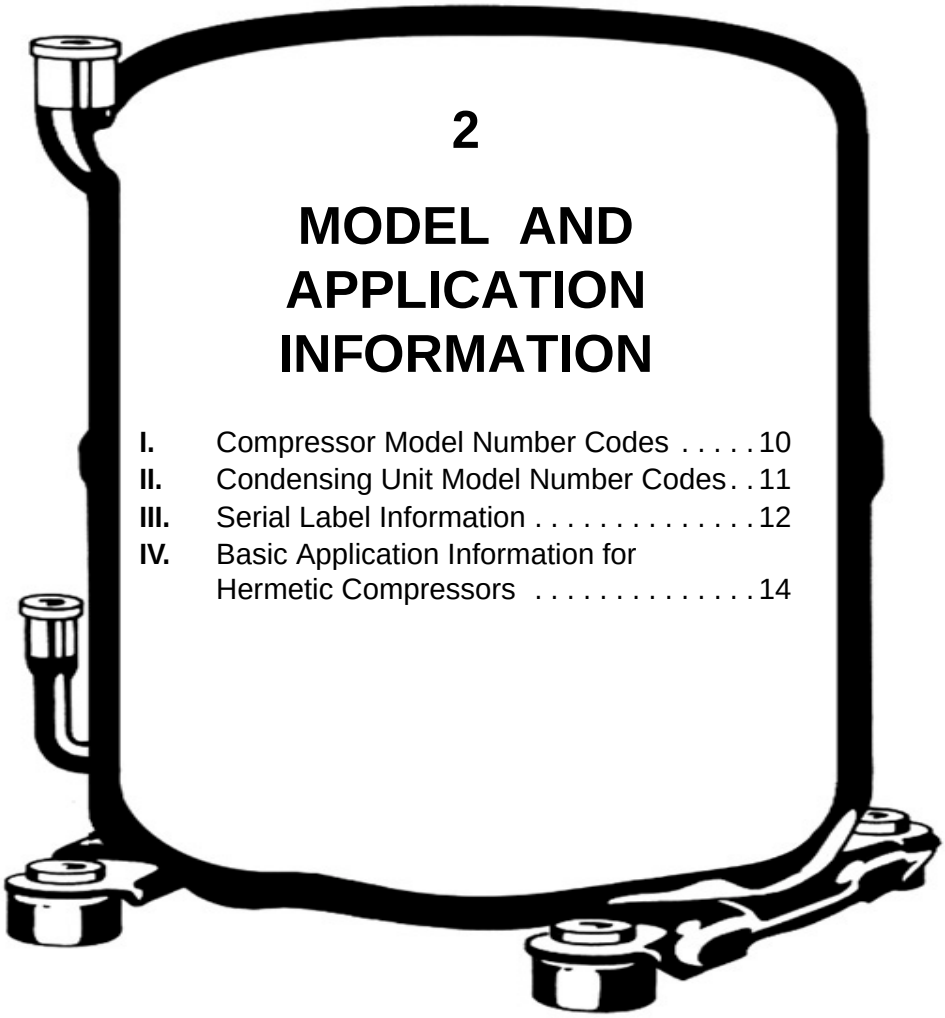

2

MODEL AND APPLICATION INFORMATION

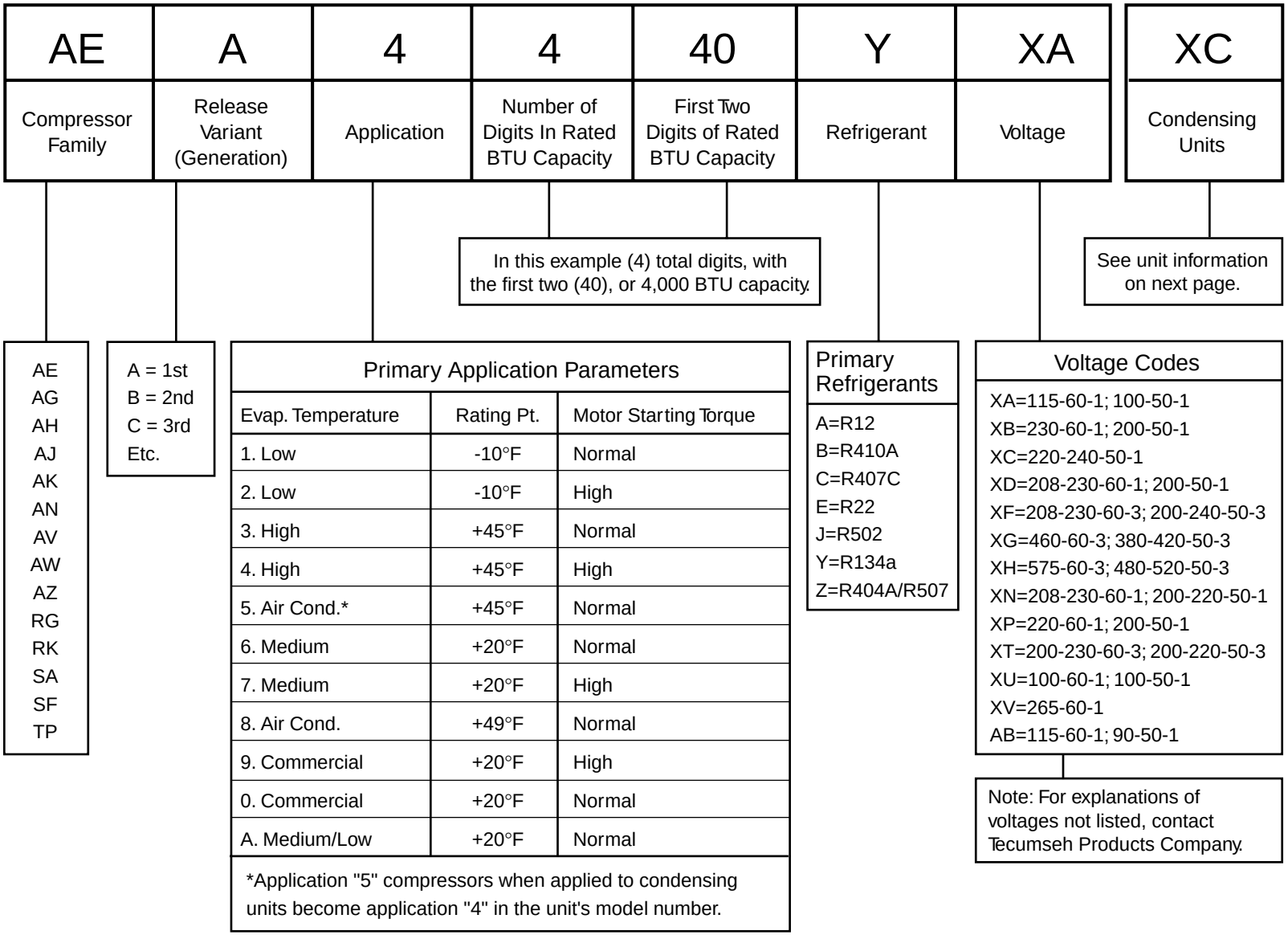

Figure 2-1. Compressor model number codes.

AEA4440YXA XC

1. 2.

1. E=Evaporative Condensate Units. X=A holding character, reserved for future use.
2. Condensing Unit Features, see chart below.

Unassigned Letters: R **The letters I, O and Q are eliminated**	Fan Cooled	Water Cooled	Air Water Cooled	Receiver Tank	BX Cable	Interconect Compressor	See B/M	Accumulator
A Standard Unit	●							
B Std. Unit w/Receiver Tank	●			●				
C Std. Unit w/Tank & BX Cable	●			●	●			
D Std. Unit w/BX Cable	●				●			
E,F,K Physical Design Variant (Conduit)	●				●		●	
G,H,J,L,P Physical Design Variant (Standard)	●						●	
M Advanced Commercial Design	●			●	●			●
N Advanced Commercial Design	●				●			●
S Customer Special							●	
T Interconnect Compressor						●		
U Water Cooled — Adv. Commercial Design		●		●	●			●
V Electrical Special (Conduit Design)	●				●		●	
W Water Cooled Unit		●		●	●			
X Interconnect Unit	●			●	●	●		
Y Air Water Cooled Unit			●		●			
Z Electrical Special (Standard Unit)	●						●	

Figure 2-2. Condensing unit model number codes.

III. Serial Label Information

The only source for complete compressor information is on the compressor serial label. On earlier compressors, the serial plate is usually spotwelded on the upper housing of the compressor. For current compressors, the serial label is affixed in the same location. Both describe the characteristics of the compressor.

The months are identified as identified in Table 2-1.

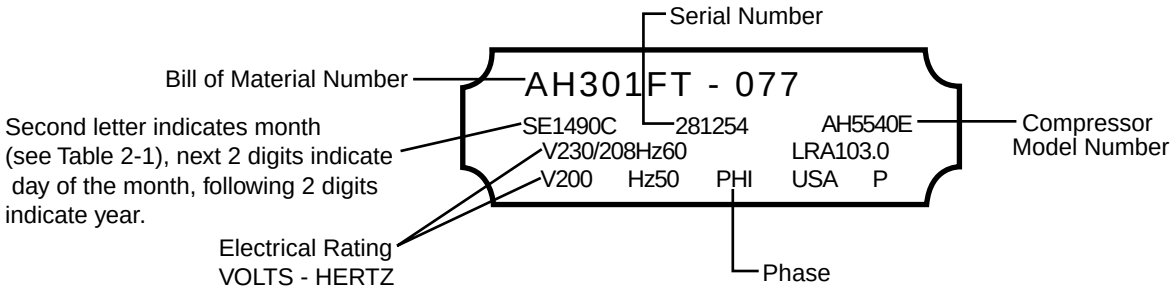

Figure 2-3. Compressor serial label.

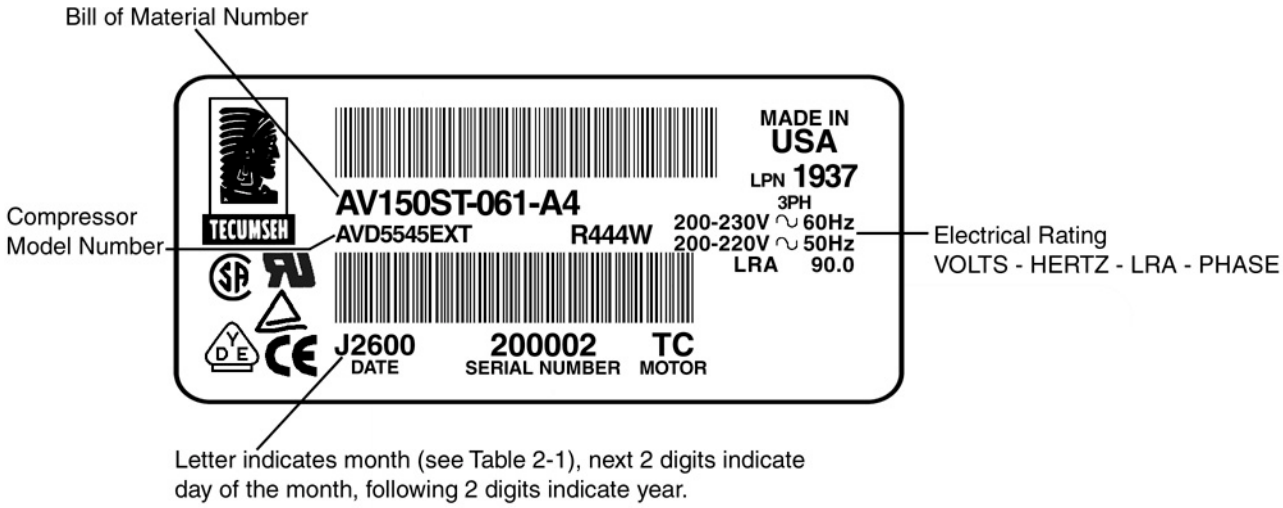

Figure 2-4. Compressor serial plate.

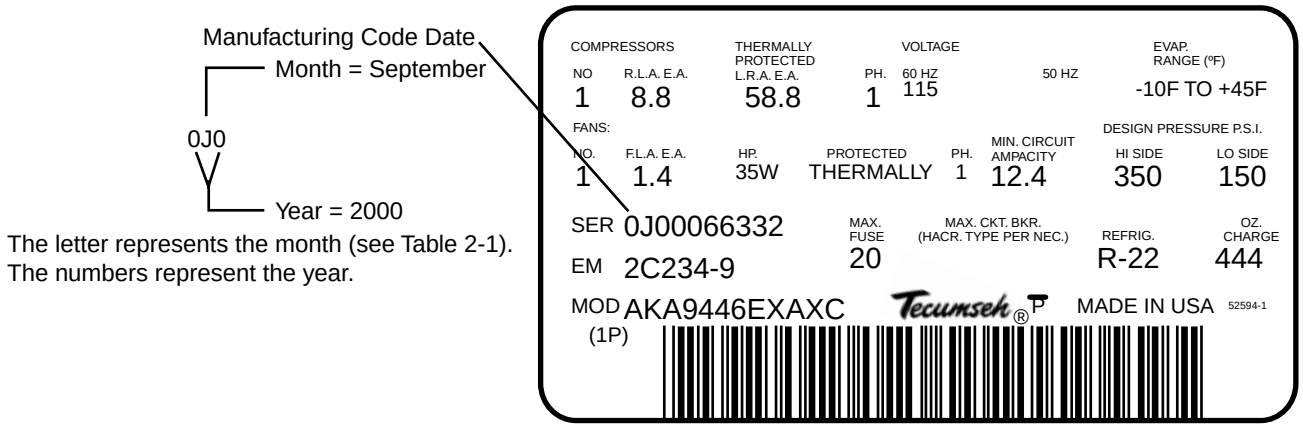

Figure 2-5. Condensing unit serial label.

Table 2-1: Serial Label Month Identifiers

January - A	March - C	May - E	July - G	September - J	November - L
February - B	April - D	June - F	August - H	October - K	December - M

IV. Basic Application Information for Hermetic Compressors

Tecumseh hermetic compressors are engineered to do specific air conditioning and refrigeration tasks. Hermetic compressors are designed for a particular evaporator temperature range and a specific refrigerant.

A. Evaporator Temperatures

The key specification is the evaporator temperature of the system. Compressors which are operating outside their design evaporator temperature range can be expected to have poor pumping efficiency and experience motor problems.

Tecumseh hermetic compressors are designed for one of the following evaporator temperature ranges shown in Table 2-2.

B. Refrigerant

Use only the serial label refrigerant when charging the system. Using a different refrigerant can lead to excess system pressure, damage to the compressor and an explosion. For example, using R-502 in a compressor designed for R-12 can lead to higher operating pressures that can overload the bearings and overwork the motor. Use of a refrigerant other than the serial label refrigerant will void the compressor warranty.

Table 2-2: Evaporator Temperature Ranges

Application	Approved Evaporator Temperatures
Air Conditioning	+32ºF to +55ºF
Improved Performance Air Conditioning	+32ºF to +57ºF
Heat Pump (Approved Models)	-15ºF to +55ºF
High Evaporator Temperature	+20ºF to +55ºF
Medium Evaporator Temperature	-10ºF to +30ºF
Low Evaporator Temperature (Normal Torque Motor)	-30ºF to +10ºF
Low Evaporator Temperature (High Torque Motor)	-40ºF to +10ºF
Commercial	0ºF to +50ºF