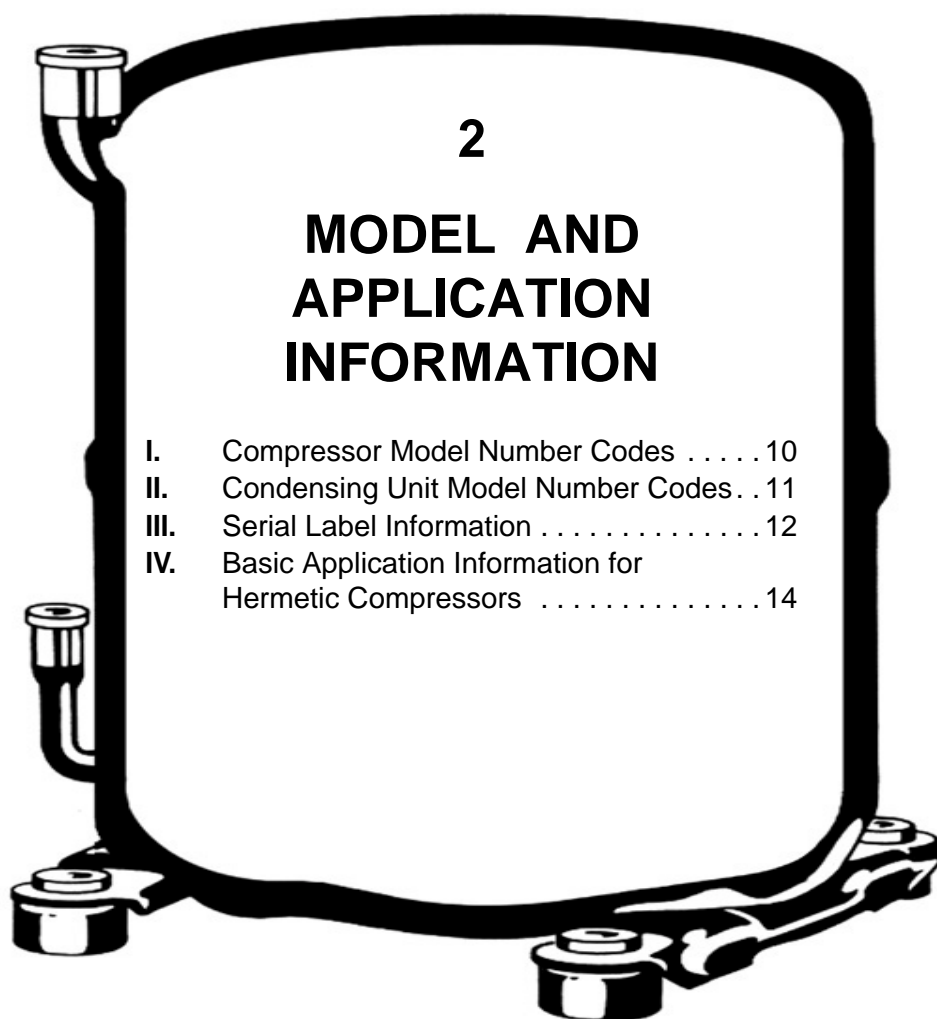




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I. Compressor Model Number Codes

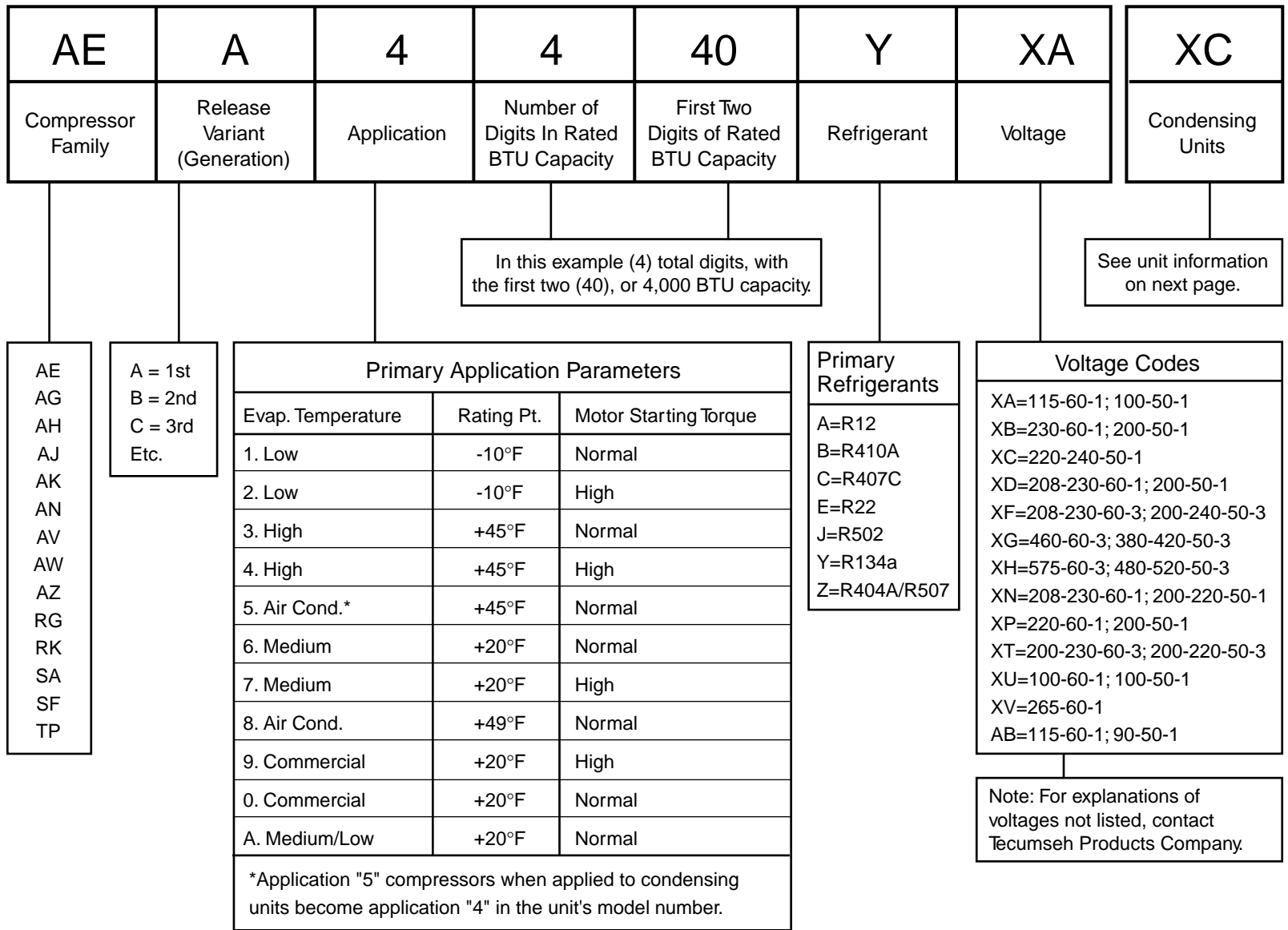


Figure 2-1. Compressor model number codes.

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	Interconnect 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.

II. 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.

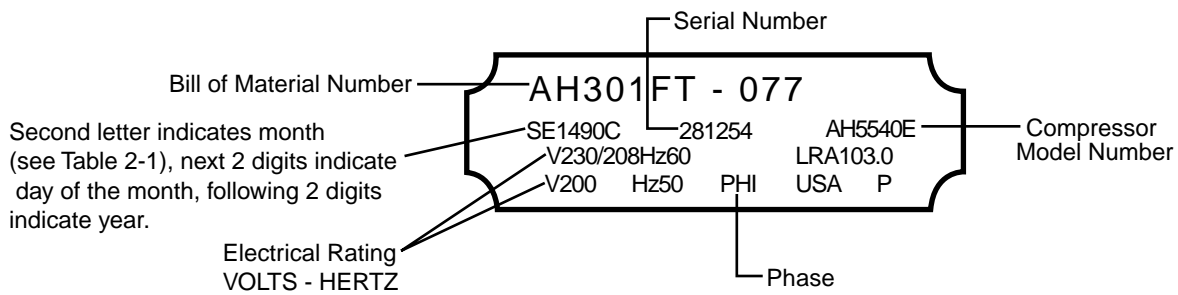


Figure 2-3. Compressor serial label.

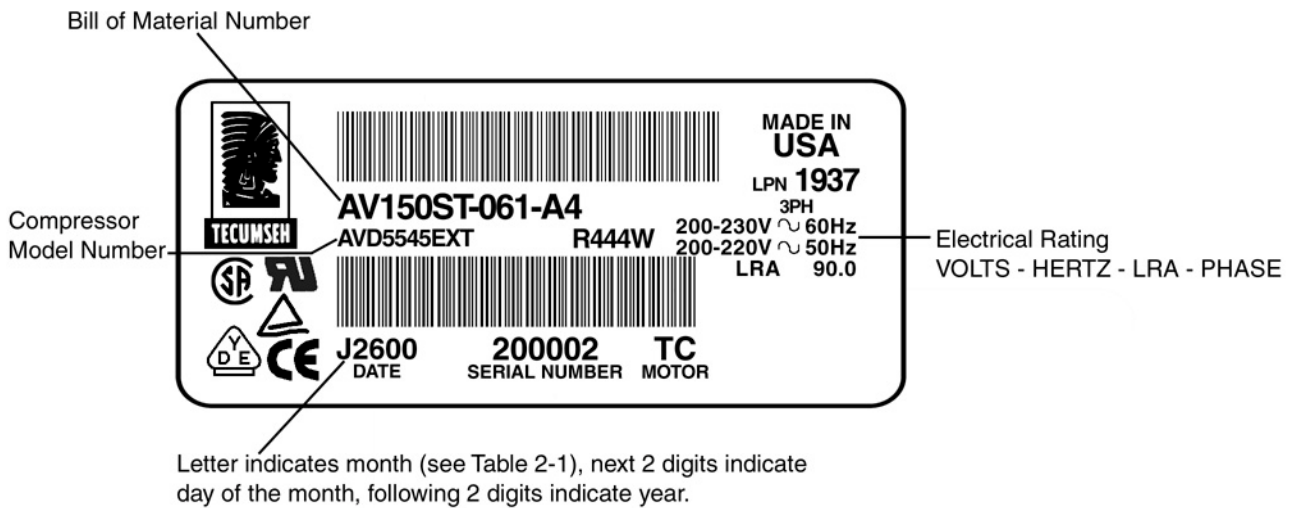


Figure 2-4. Compressor serial plate.



Manufacturing Code Date

Month = September

0J0

Year = 2000

The letter represents the month (see Table 2-1).
The numbers represent the year.

COMPRESSORS		THERMALLY PROTECTED		VOLTAGE		EVAP. RANGE (°F)	
NO	R.L.A. E.A.	L.R.A. E.A.	PH.	60 HZ	50 HZ		
1	8.8	58.8	1	115			-10F TO +45F
FANS:							
NO.	F.L.A. E.A.	HP.	PROTECTED	PH.	MIN. CIRCUIT AMPACITY	DESIGN PRESSURE P.S.I.	
1	1.4	35W	THERMALLY	1	12.4	HI SIDE	LO SIDE
SER 0J00066332		MAX. FUSE		MAX. CKT. BKR. (HACR. TYPE PER NEC.)		REFRIG. OZ. CHARGE	
EM 2C234-9		20				R-22 444	
MOD AKA9446EXAXC		Tecumseh®		MADE IN USA		52594-1	
(1P)							

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