

# COMPRESSOR MODEL NOMENCLATURE

(AE <sup>2</sup> models only)	<b>AE</b>	<b>4</b>	<b>440</b>	<b>Y</b>	<b>-</b>	<b>AA</b>	<b>1A</b>
All models except AE <sup>2</sup> )	<b>AEA</b>	<b>4</b>	<b>440</b>	<b>Y</b>		<b>XA</b>	

Compressor Family (First Two Digits) Release Variant (The Third Digit)	Application	First Digit is the No. of Digits in Btu/h Capacity Last Two Digits are the First Two Digits in Rated Btu/h Capacity	Refrigerant	Voltage	Release Variant (AE <sup>2</sup> models only)
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Examples:  
AE<sup>2</sup> model number:  
**AE4440Y-AA1A**

Model number  
except AE<sup>2</sup>:  
**AEA4440YXA**

<b>AE</b>
<b>AG</b>
<b>AH</b>
<b>AJ</b>
<b>AK</b>
<b>AN</b>
<b>AV</b>
<b>AW</b>
<b>AZ</b>
<b>RG</b>
<b>RK</b>
<b>SA</b>
<b>SF</b>
<b>TP</b>
<b>HG</b>
<b>TH</b>
<b>TW</b>
<b>VS</b>

<b>A = 1st</b>
<b>B = 2nd</b>
<b>C = 3rd</b>
<b>etc...</b>

In this example (4) total digits, with the first two (40), or 4,000 BTU capacity

Primary Application Parameters		
Evap Temperature	Rating Point	Motor Starting Torque
1. Low	-10°F	Normal
2. Low	-10°F	High
3. High	+45°F	Normal
4. High	+45°F	High
5. A/C & H/P	+45°F	Normal
6. Medium	+20°F	Normal
7. Medium	+20°F	High
8. Air Cond	+49°F	Normal
9. Commercial	+20°F	High
0. Commercial	+20°F	Normal
F. Low – Vapor Inj	-10°F	High
G. Low – Liquid Inj	-10°F	High

Primary Refrigerants
<b>A = R12</b>
<b>B = R410A</b>
<b>C = R407C</b>
<b>E = R22</b>
<b>W = R22/R407C</b>
<b>X = (CBP Models Only) R404A/R507, R134a, R22 R407A, R407F</b>
<b>Y = R134a</b>
<b>Z = R404A/R507</b>

The first digit is the Motor Type; the next digit is the Motor Efficiency
1 = Induction Run (RSIR/ CSIR)
2 = Optional Run Cap
3 = Capacitor Start/Run (CSR)
A = Standard Efficiency
B = Medium Efficiency
C = High Efficiency

Voltage Codes
<b>AA = 115/60/1</b>
<b>AB = 115/60/1; 90/50/1</b>
<b>DS = 115-127/60/1</b>
<b>FZ = 220-240/50/1</b>
<b>NA = 208-230/60/1</b>
<b>VA = 265/60/1; 220-240/50/1</b>
<b>XA = 115/60/1; 100/50/1</b>
<b>XB = 230/60/1; 200/50/1</b>
<b>XC = 220-240/50/1</b>
<b>XD = 208-230/60/1; 200/50/1</b>
<b>XF = 208-230/60/3; 200-240/50/3</b>
<b>XG = 460/60/3; 380-420/50/3</b>
<b>XH = 575/60/3; 480-520/50/3</b>
<b>XN = 208-230/60/1; 200-220/50/1</b>
<b>XP = 220/60/1; 200/50/1</b>
<b>XT = 200-230/60/3; 200-220/50/3</b>
<b>XU = 100/60/1; 100/50/1</b>
<b>XV = 265/60/1</b>

NOTE: For explanation of compressor families and codes, contact Tecumseh Products Company.

## Compressor Replacement Guides and Quick Selects

This document is NOT to be used as a drop-in replacement guide. The cross-reference is offered as a tool to help identify potential replacement options based on performance. Mounting and tubing connections are likely to differ from the original compressor. With use, system performance will most likely have changed from initial specifications. Careful review of current application requirements is essential. **IT IS THE RESPONSIBILITY OF THE SERVICE PERSON TO ASSURE THEY HAVE PURCHASED A REPLACEMENT PRODUCT WHICH MEETS THE NEED OF THE APPLICATION.** Failure to do so may result in misapplication requiring immediate or subsequent additional compressor replacement(s).



Model Number	Item Number (Bill of Material)	Volt/Hz/Ph	HP	Motor Type	Starting Torque	Rating (Btu/h)	Connection Size (in)		Wt (lbs)
							Suction	Discharge	
<b>R404A Compressor Reciprocating (continued)</b>									
<b>High / Commercial Temperature Rated @ 20°F (continued)</b>									
AE4450Z-AA1A	AE1164E-209-J7	115/60/1	1/2	CSIR	High	5,800	5/16 ODF	1/4 ODF	24
AE4470Z-AA3C	AE1184E-677-J7	115/60/1	3/4	CSR	High	8,000	3/8 ODF	1/4 ODF	25
<b>R404A / R507 Compressor Reciprocating</b>									
<b>Medium Temperature Rated @ 20°F</b>									
AJA7494ZXD	AJ202ET-188-J7	208-230/60/1	1	CSR	High	9,350	5/8 SAE RL	5/16 ODF	54
AJA7494ZXD	AJ202ET-206-J7	208-230/60/1	1	CSR	High	9,350	1/2 ODF	5/16 ODF	55
AJA7494ZXD	AJ202ET-235-J7	208-230/60/1	1	CSR	High	9,350	1/2 ODF	3/8 ODF	55
AWA7512ZXT	AW611RT-121-J7	200-230/60/3	1 1/2	3 PH	3 PH	11,500	7/8 ODF RL	3/8 ODF	72
AWA7512ZXD	AW611ET-111-J7	208-230/60/1	1 1/2	CSR	High	11,600	1 1/4 RL	7/16 ODF	76
AWA7515ZXT	AW612RT-121-J7	200-230/60/3	2	3 PH	3 PH	15,200	7/8 ODF RL	3/8 ODF	80
AWA7515ZXD	AW612ET-111-J7	208-230/60/1	2	CSR	High	15,400	1 1/4 RL	7/16 ODF	80
AVA7524ZXX	AV179ET-001-J7	208-230/60/1	3	CSR	High	23,550	7/8 ODF	1/2 ODF	96
AVA7524ZXT	AV179RT-012-J7	200-230/60/3	3	3 PH	3 PH	23,800	7/8 ODF	1/2 ODF	84
<b>R404A / R507 Compressor Reciprocating</b>									
<b>Commercial Temperature Rated @ 20°F</b>									
AKA9427ZXA	AK174AT-037-J7	115/60/1	1/4	CSIR	High	2,700	1/2 ODF	3/8 ODF	40
AKA9427ZXA	AK174AT-038-J7	115/60/1	1/4	CSIR	High	2,700	1/2 SAE RL	1/4 ODF	40
AKA9427ZXD	AK174ET-037-J7	208-230/60/1	1/4	CSIR	High	2,700	1/2 ODF	3/8 ODF	40
AKA9427ZXD	AK174ET-038-J7	208-230/60/1	1/4	CSIR	High	2,700	1/2 SAE RL	1/4 ODF	40
AKA9438ZXA	AK175AT-035-J7	115/60/1	1/2	CSIR	High	3,750	3/8 ODF	1/4 ODF	41
AKA9438ZXA	AK175AT-037-J7	115/60/1	1/2	CSIR	High	3,750	1/2 ODF	3/8 ODF	55
AKA9438ZXA	AK175AT-038-J7	115/60/1	1/2	CSIR	High	3,750	1/2 SAE RL	1/4 ODF	55
AKA9438ZXD	AK175ET-037-J7	208-230/60/1	1/2	CSR	High	3,750	1/2 ODF	3/8 ODF	45
AKA9438ZXD	AK175ET-038-J7	208-230/60/1	1/2	CSR	High	3,750	1/2 SAE RL	1/4 ODF	45
AKA9451ZXA	AK170AT-037-J7	115/60/1	1/2	CSR	High	5,150	1/2 ODF	3/8 ODF	41
AKA9451ZXA	AK170AT-038-J7	115/60/1	1/2	CSR	High	5,150	1/2 SAE RL	1/4 ODF	41
AKA9455ZXA	AK171AT-038-J7	115/60/1	3/4	CSR	High	5,450	1/2 SAE RL	1/4 ODF	41
AKA9455ZXD	AK171ET-037-J7	208-230/60/1	3/4	CSR	High	5,450	1/2 ODF	3/8 ODF	43
AKA9455ZXD	AK171ET-038-J7	208-230/60/1	3/4	CSR	High	5,450	1/2 SAE RL	1/4 ODF	43
AKA9455ZXA	AK171BT-039-J7	115/60/1	3/4	CSR	High	5,450	3/8 ODF	1/4 ODF	44
AKA9462ZXA	AK172AT-037-J7	115/60/1	3/4	CSR	High	6,250	1/2 ODF	3/8 ODF	43
AKA9462ZXA	AK172AT-038-J7	115/60/1	3/4	CSR	High	6,250	1/2 SAE RL	1/4 ODF	43
AKA9462ZXD	AK172ET-037-J7	208-230/60/1	3/4	CSR	High	6,250	1/2 ODF	3/8 ODF	41
AKA9462ZXD	AK172ET-038-J7	208-230/60/1	3/4	CSR	High	6,250	1/2 SAE RL	1/4 ODF	41
AWA9490ZXT	AW616RT-120-J7	200-230/60/3	1	3 PH	3 PH	9,000	5/8 ODF	3/8 ODF	70
AWA9490ZXX	AW616ET-111-J7	208-230/60/1	1	CSR	High	9,300	7/8 ODF RL	3/8 ODF	70
AWA9490ZXT	AW616RT-121-J7	200-230/60/3	1	3PH	3 PH	9,000	7/8 ODF RL	3/8 ODF	67
AWA9490ZXX	AW616ET-163-J7	208-230/60/1	1	CSR	High	9,300	7/8 ODF RL	3/8 ODF	70
AWA9512ZXT	AW611ST-120-J7	200-230/60/3	1 1/2	3 PH	3 PH	11,300	5/8 ODF	3/8 ODF	70
AWA9512ZXT	AW611ST-163-J7	200-230/60/3	1 1/2	3 PH	3 PH	11,300	7/8 ODF RL	3/8 ODF	70
AWA9512ZXX	AW611FT-099-J7	208-230/60/1	1 1/2	CSR	High	11,600	5/8 ODF	3/8 ODF	70
AWA9514ZXT	AW617RT-120-J7	200-230/60/3	1 3/4	3 PH	3 PH	14,300	5/8 ODF	3/8 ODF	70
AWA9514ZXX	AW617ET-111-J7	208-230/60/1	1 1/2	CSR	High	14,500	5/8 ODF	3/8 ODF	70
AWA9514ZXX	AW617ET-099-J7	208-230/60/1	1 3/4	CSR	High	14,500	5/8 ODF	3/8 ODF	70
AVA9519ZXX	AV200ET-003-J7	208-230/60/1	2	CSR	High	19,000	7/8 ODF	1/2 ODF	84
AVA9519ZXT	AV201RT-012-J7	200-230/60/3	2	3PH	3 PH	19,400	7/8 ODF	1/2 ODF	82
AVA9519ZXX	AV201TT-013-J7	460/60/3	2	3 PH	3 PH	18,800	7/8 ODF	1/2 ODF	84
AVA9522ZXT	AV203RT-001-J7	200-230/60/3	3	3PH	3 PH	21,600	7/8 ODF	1/2 ODF	84
AVA9522ZXX	AV203ET-001-J7	208-230/60/1	2	CSR	High	22,000	7/8 ODF	1/2 ODF	84
AVA9528ZXX	AV204ET-066-J7	208-230/60/1	3	CSR	High	28,100	3/4 ODF	1/2 ODF	84
AVA9528ZXT	AV204RT-001-J7	200-230/60/3	3	3 PH	3 PH	28,300	7/8 ODF	1/2 ODF	84
AGA9530ZXX	AG133FT-001-J7	208-230/60/1	4	CSR	High	29,000	7/8 ODF	1/2 ODF	105
AGA9530ZXT	AG133ST-003-J7	200-230/60/3	4	3PH	3 PH	29,500	7/8 ODF	1/2 ODF	105
AGA9534ZXX	AG144FT-002-J7	208-230/60/1	4	CSR	High	33,500	7/8 ODF	1/2 ODF	105
AGA9534ZXT	AG144ST-001-J7	200-230/60/3	4	3PH	3 PH	33,000	7/8 ODF	1/2 ODF	108

RL = Roto Lock