

# COMPRESSOR MODEL NOMENCLATURE

(AE<sup>2</sup> models only)     **AE**     **4**     **440**     **Y** - **AA**     **1A**

All models except AE<sup>2</sup>)

**AEA**     **4**     **440**     **Y**     **XA**

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</b> = 1st
<b>B</b> = 2nd
<b>C</b> = 3rd
<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. Air Cond	+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</b> = R12
<b>B</b> = R410A
<b>C</b> = R407C
<b>E</b> = R22
<b>J</b> = R502
<b>U</b> = R290
<b>Y</b> = R134a
<b>Z</b> = R404A/R507

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

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 to use as a tool to help identify potential replacement options based on performance fit. Mounting and tubing connections are likely to differ from original installation. With use, system performance parameters 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.

Legacy AE to AE<sup>2</sup> Compressor Models

 Legacy **AE** Transition

Legacy AE and TP Compressor Models				Replaced by the following AE <sup>2</sup> Compressor Models		
Model	Current Item Number / BOM	Previous Item Number / BOM	Conn discharge x suction (ODF)	AE <sup>2</sup> Model	AE <sup>2</sup> Item Number / BOM	Conn discharge x suction (ODF)
AEA1410AXA	AE232AT-721-J7		1/4" x 5/16"	AE2410A-AA1A	AE1249E-679-J7	1/4" x 5/16"
AEA2410AXA	AE235AT-670-J7		1/4" x 3/8" SAE	AE2410A-AA1A	AE1249E-679-J7	1/4" x 5/16"
AEA2410YXA	AE600AT-944-J7	AE600AR-944-J7JM	1/4" x 1/4"	AE2410Y-AA1A	AE1156E-679-J7	1/4" x 5/16"
AEA2380ZXA	AE560AT-916-J7	AE560AR-916-J7JM	1/4" x 5/16"	AE2410Z-AA1A	AE1126E-106-J7	1/4" x 5/16"
AEA2411ZXA	AE820AT-900-J7	AE820AR-908-J7JM	1/4" x 5/16"	AE2415Z-AA1A	AE1157E-679-J7	1/4" x 5/16"
AEA2413AXA	AE255AT-671-J7		1/4" x 5/16"	AE2413A-AA1B	AE1317E-219-J7	1/4" x 3/8" SAE
				AE2413A-AA1B	AE1255E-679-J7	1/4" x 5/16"
AEA2413YXA	AE700AT-939-J7		5/16" x 3/8"	AE2413Y-AA1B	AE1240E-679-J7	1/4" x 5/16"
AEA3425AXA	AE170AL-726-J7		1/4" x 5/16"	AE3425A-AA1A	AE1253E-212-J7	1/4" x 5/16"
AEA3425YXA	AE530AT-726-J7,	AE530AR-718-J7	1/4" x 5/16"	AE3425Y-AA1A	AE1004E-212-J7	1/4" x 5/16"
	AE530AT-165-J7	AE530AR-718-J7JO,				
		AE530AR-165-J7JM				
AEA3425YXA		AE530AR-718-J9	1/4" x 5/16"	AE3425Y-AA1A	AE1004E-212-J9	1/4" x 5/16"
AEA3425YXA				AE3425Y-AA1A	AE1198E-215-J7	1/4" x 3/8" SAE
AEA3425YXA				AE3425Y-AA1A	AE1198E-215-J9	1/4" x 3/8" SAE
AEA3430AXA	AE151AL-280-J7		1/4" x 5/16"	AE4430A-AA1A	AE1251E-212-J7	1/4" x 5/16"
AEA3430YXA	AE510AT-280-J7	AE510AR-277-J7JM	1/4" x 5/16"	AE3430Y-AA1A	AE1153E-212-J7	1/4" x 5/16"
AEA3430YXA	AE510AR-277-J9JN		1/4" x 5/16"	AE3430Y-AA1A	AE1153E-212-J9	1/4" x 5/16"
AEA3440AXA	AE231AL-725-J7		1/4" x 5/16"	AE4440A-AA1A	AE1250E-212-J7	1/4" x 5/16"
AEA3440YXA	AE635AT-725-J7	AE635AR-717-J7JM	1/4" x 5/16"	AE3440Y-AA1A	AE1155E-212-J7	1/4" x 5/16"
				AE3440Y-AA1A	AE1155E-212-J9	1/4" x 5/16"
AEA4430AXA				AE4430A-AA1A	AE1251E-212-J7	1/4" x 5/16"
AEA4430AXA	AE155AL-238-J7, J9		1/4" x 3/8" SAE	AE4430A-AA1A	AE1254E-215-J7	1/4" x 3/8" SAE
AEA4430YXA	AE540AR-277-J7		1/4" x 5/16"	AE4430Y-AA1A	AE1023E-212-J7	1/4" x 5/16"
AEA4430YXA	AE540AR-277-J9JN		1/4" x 5/16"	AE4430Y-AA1A	AE1023E-212-J9	1/4" x 5/16"
AEA4430YXA	AE540AT-238-J7	AE540AR-238-J7,	1/4" x 3/8" SAE	AE4430Y-AA1A	AE1199E-215-J7	1/4" x 3/8" SAE
		AE540AR-238-J7JM				
AEA4430YXA	AE540AR-238-J9NE		1/4" x 3/8" SAE	AE4430Y-AA1A	AE1199E-215-J9	1/4" x 3/8" SAE
AEA4440AXA	AE234AL-668-J7, J9		1/4" x 3/8" SAE	AE4440A-AA1A	AE1252E-215-J7	1/4" x 3/8" SAE
AEA4440AXA	AE234AL-725-J7, J9		1/4" x 5/16"	AE4440A-AA1A	AE1250E-212-J7	1/4" x 5/16"
AEA4440YXA	AE630AT-725-J7	AE630AR-717-J7JM	1/4" x 5/16"	AE4440Y-AA1A	AE1022E-212-J7	1/4" x 5/16"
AEA4440YXA	AE630AT-725-J9	AE630AR-717-J9JN	1/4" x 5/16"	AE4440Y-AA1A	AE1022E-212-J9	1/4" x 5/16"
AEA4440YXA	AE630AT-668-J7	AE630AR-668-J7,	1/4" x 3/8" SAE	AE4440Y-AA1A	AE1200E-215-J7	1/4" x 3/8" SAE
		AE630AR-668-J7JM				
AEA4440YXA				AE4440Y-AA1A	AE1200E-215-J9	1/4" x 3/8" SAE
AEA4440YXD	AE630ET-725-J7		1/4" x 5/16"	AE4440Y-XN1A	AE1204E-209-J7	1/4" x 5/16"
AEA4448YXA	AE660AT-724-J7	AE660AR-716-J7JM	1/4" x 5/16"	AE4450Y-AA1A	AE1154E-209-J7	1/4" x 5/16"
AEA9415ZXA	AE570AT-907-J7		5/16" x 5/16"	AE4430Z-AA1A	AE1167E-212-J7	1/4" x 5/16"
AEA9422ZXA	AE590AT-900-J7		1/4" x 5/16"	AE4440Z-AA1A	AE1168E-209-J7	1/4" x 5/16"