

COMPRESSOR MODEL NOMENCLATURE

(AE² models only) **AE** **4** **440** **Y** **AA** **1A**

All models except AE²) **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 ² models only)
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Examples:
AE² model number:
AE4440Y-AA1A

Model number except AE²:
AEA4440YXA

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

A = 1st
B = 2nd
C = 3rd
etc...

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
4. High/Comm (AE ² only)	+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
A = R12
B = R410A
C = R407C
E = R22
J = R502
U = R290
Y = R134a
Z = 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
AA = 115/60/1
AB = 115/60/1; 90/50/1
FZ = 220-240/50/1
NA = 208-230/60/1
TB = 200-230/60/3
VA = 265/60/1; 220-240/50/1
XA = 115/60/1; 100/50/1
XB = 230/60/1; 200/50/1
XC = 220-240/50/1
XD = 208-230/60/1; 200/50/1
XF = 208-230/60/3; 200-240/50/3
XG = 460/60/3; 380-420/50/3
XH = 575/60/3; 480-520/50/3
XN = 208-230/60/1; 200-220/50/1
XP = 220/60/1; 200/50/1
XT = 200-230/60/3; 200-220/50/3
XU = 100/60/1; 100/50/1
XV = 265/60/1

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

Condensing Unit Replacement Guides

This document is not to be used as a drop-in replacement guide. The cross-reference is designed to assist in identifying 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 component replacement.

AE 4440Y-XA 1A SK AE² Models Only
AEA4440Y XA SK

Options
Release Variant - AE² Models Only
Voltage

Condensing Unit Model Number Codes

Condensing Unit Features, see chart below

		Fan Cooled	Water Cooled	Receiver Tank	BX Cable	See Item No./ BOM	Accumulator
Celseon® Air Cooled Condensing Units							
CK	Std. Unit W/EC Fan Motor, Sweat Conns, Power Cord	•					
CB	Std. Unit W/EC Fan Motor, Sweat Conns, Power Cord & Receiver Tank	•		•			
CC	Std. Unit W/EC Fan Motor, Sweat Conns, Power Cord, Receiver Tank & Service Valves	•		•			
CS	Std. Unit W/EC Fan Motor, Sweat Conns, Power Cord & Service Valves	•					
SK	Std. Unit W/SP Fan Motor, Sweat Conns, Power Cord						
SB	Std. Unit W/SP Fan Motor, Sweat Conns, Power Cord & Receiver Tank	•		•			
SC	Std. Unit W/SP Fan Motor, Sweat Conns, Power Cord, Receiver Tank & Service Valves	•		•			
SS	Std. Unit W/SP Fan Motor, Sweat Conns, Power Cord & Service Valves	•					
Air Cooled							
XA	Standard Unit	•					
XB	Std. Unit W/Receiver Tank	•		•			
XC	Std. Unit W/Receiver Tank & BX Cable	•		•	•		
XD	Std. Unit W/BX Cable	•			•		
XE, XF, XK	Physical Design Variant (Conduit)	•			•		
XG, XH, XJ, XL, XP	Physical Design Variant (Standard)	•					
XM	Advanced Commercial Design	•		•	•		•
XN	Advanced Commercial Design	•			•		•
XW	Water Cooled Unit		•	•	•		
Celseon® AK/AJ Air Cooled							
DG	Sweat Conns, Receiver Tank and Service Valves	•		•			
DJ	Sweat Conns, Receiver Tank, Service Valves, Filter Drier and Sight Glass	•		•			
Evaporative Condensate Plastic Base							
EC	Large Evaporative Condensate Units Black Plastic Base	•		•	•		
ED	Large Evaporative Condensate Units Black Plastic Base	•			•		
EE	Large Evaporative Condensate Units Black Plastic Base	•			•		
GC	Small - Fan Guard, Power Cord, Receiver Tank, Service Valves	•		•			
GB	Small - Fan Guard, Power Cord, Receiver Tank	•		•			
GK	Small - Fan Guard, Power Cord	•					
GL	Small - Fan Guard	•					
Outdoor Condensing							
HS	Small - Single Fan, Small Enclosure	•					•
HN	Medium - Dual Fan, Medium Enclosure	•					•
HM	Large - Dual Fan, Large Enclosure	•					•

Condensing Units

Indoor, Outdoor and Water Cooled

Indoor Air Cooled:

- Wide range of applications and horsepower
- 1 through 8 HP
- Scroll and Reciprocating Compressors
- Low, Medium, Commercial and High Temperature
- R404A/R507, R407C, R22 and R12



Outdoor Condensing:

- Compact design
- Small footprint and improved air flow
- 1/2 through 8 HP
- Low, Medium, Commercial and High Temperature
- R404A/R507 and R22



Indoor Water Cooled:

- 1/3 through 5 HP
- High efficiency
- Low, Medium, Commercial and High Temperature
- R404A/R507, R134a, R22 and R12



Lo-Profile Unit Coolers:

- Capacity 3,800 - 30,000 Btu/h
- Available in 115V and 230V
- PSC and EC Fan motors
- Low and Medium Temperature



Unit Cooler Nomenclature

PLP 430 (E)(*A)

Product Family

Btu/h Capacity

EC Fan Motor

Electric Defrost

Note: Actual Btu/h capacity is in thousands. For example, 430 = PLP 4300 **

- Lo-Profile designed for Medium and Low temperature applications, capacity range 3,800 - 30,000 Btu/h

Agency Approval: PLP and PLP-E Unit Coolers are in compliance with both U.S. and Canada safety requirements.

Features and Benefits

- **LO-PROFILE & COMPACT**

Low silhouette height of only 13 1/2 inches.

Design for flush, ceiling mounting.

- **DESIGN AND FEATURES**

Easily adapted as a replacement unit or for use in original equipment.

Thermally protected, permanently lubricated high efficiency PSC or highest efficiency EC motors.



- **INSTALLATION & SERVICE**

Junction box located outside of cabinet for easy hook up.

Removable side panel and hinged drain pan for easy servicing. (Drain connection is 1" FPT)

- **QUALITY MATERIALS**

Textured aluminum cabinet.

Aluminum fins (6 Fins Per Inch) and seamless copper tubing.

Aluminum fan blades

Polycarbonate fan guards

- **ELECTRIC DEFROST MODELS ONLY**

Serpentine tubular heating elements are evenly spaced for ideal defrosting.

Defrost termination switch and fan delay control insures defrost without overheating.

Dimensions (in)			Connection Size in (mm)		Wt. lbs (kg)	PSC Motor		EC Motor		No. of Fans**	TP Cover Optional
L	W	H	Suction*	Liquid*		Model	Item No.	Model	Item No.		Item Number
Outdoor Condensing Units - R404A/R507 Air Cooled Freezer Applications						Unit Coolers and Options					
Commercial Temperature											
26.4 (671)	36.3 (921)	26.1 (662)	7/8 (22.2)	1/2 (12.7)	410 (186)	PLP-1750	6279007	PLP-1750*A	6720E	3	
26.4 (671)	36.3 (921)	26.1 (662)	7/8 (22.2)	1/2 (12.7)	410 (186)	PLP-1750	6279007	PLP-1750*A	6720E	3	
26.4 (671)	36.3 (921)	26.1 (662)	7/8 (22.2)	1/2 (12.7)	410 (186)	PLP-2500	6295007	PLP-2500*A	6710E	5	
26.4 (671)	36.3 (921)	26.1 (662)	7/8 (22.2)	1/2 (12.7)	410 (186)	PLP-2500	6295007	PLP-2500*A	6710E	5	
26.4 (671)	47.8 (1213)	31.6 (802)	1 1/8 (28.6)	1/2 (12.7)	460 (209)	PLP-2500	6295007	PLP-2500*A	6710E	5	
26.4 (671)	47.8 (1213)	31.6 (802)	1 1/8 (28.6)	1/2 (12.7)	460 (209)	PLP-2500	6295007	PLP-2500*A	6710E	5	
26.4 (671)	47.8 (1213)	31.6 (802)	1 1/8 (28.6)	1/2 (12.7)	460 (209)	PLP-3000	6296007	PLP-3000*A	6712E	6	
26.4 (671)	47.8 (1213)	31.6 (802)	1 1/8 (28.6)	1/2 (12.7)	460 (209)	PLP-3000	6296007	PLP-3000*A	6712E	6	
26.4 (671)	47.8 (1213)	31.6 (802)	1 1/8 (28.6)	1/2 (12.7)	480 (218)	PLP-3000	6296007	PLP-3000*A	6712E	6	
26.4 (671)	47.8 (1213)	31.6 (802)	1 1/8 (28.6)	1/2 (12.7)	480 (218)	PLP-3000	6296007	PLP-3000*A	6712E	6	

Outdoor Condensing Units - Scroll R404A/R507 Air Cooled Freezer Applications						Unit Coolers and Options					
Low Temperature											
26.4 (671)	47.8 (1213)	31.6 (802)	1 1/8(28.6)	1/2 (12.7)	480 (218)	PLP-1720E	6285007	PLP-1720E*A	6703E	4	
26.4 (671)	47.8 (1213)	31.6 (802)	1 1/8 (28.6)	1/2 (12.7)	480 (218)	PLP-2150E	6289007	PLP-2150E*A	6708E	4	
26.4 (671)	47.8 (1213)	31.6 (802)	1 1/8 (28.6)	1/2 (12.7)	520 (236)	PLP-2580E	6287007	PLP-2580E*A	6711E	5	
26.4 (671)	47.8 (1213)	31.6 (802)	1 3/8 (34.9)	5/8 (15.9)	520 (236)	PLP-1720E+	6285007	PLP-1720E*A+	6703E	4	

Indoor Condensing Units - Scroll R404A/R507 Air Cooled Freezer Applications						Unit Coolers and Options					
Low Temperature											
45.0 (1143)	29.0 (737)	27.00 (686)	7/8 (22.2)	1/2 (12.7)	285 (129)	PLP-2150E	6289007	PLP-2150E*A	6706E	4	
45.0 (1143)	29.0 (737)	27.00 (686)	7/8 (22.2)	1/2 (12.7)	285 (129)	PLP-2580E	6287007	PLP-2580E*A	6709E	5	
45.0 (1143)	29.0 (737)	27.00 (686)	7/8 (22.2)	1/2 (12.7)	285 (129)	PLP-2580E	6287007	PLP-2580E*A	6709E	5	
45.0 (1143)	29.0 (737)	27.00 (686)	1/8 (28.6)	1/2 (12.7)	400 (181)	PLP-1720E+	6285007	PLP-1720E*A+	6703E	4	

*NOTE: All connections are ODF unless otherwise stated.

* Requires (2) unit coolers.

** Double the number of fans if (2) unit coolers are required.