Tecumseh Products Company
Compressor and Condensing Unit
Model Number Codes
Effective: January 1, 1996

EXAMPLES USED TO EXPLAIN DEFINITION: AEA2410ZXA
AEA2410ZXAXC

Compressor:	AE	A	2	4	10	Z	XA	
Condensing Unit:	AE	A	2	4	10	Z	XA	XC
Definition:	I	II	III	IV	V	VI	VII	VIII

DEFINITION:

I. Compressor Family: AE, AG, AH, AJ, AK, AV, AW, AZ, RK, RG, SA, SF, TP.

II. Family Release variant: A = 1st., B = 2nd., etc.

III. Application:

	1.	Low Temp.	(-10 F)	Normal Torque Motor
	2.	Low Temp.	(-10 F)	High Torque Motor
	3.	High Temp	(+45 F)	Normal Torque Motor
	4.	High Temp	(+45 F)	High Torque Motor
*	5.	Air Cond.	(+45 F)	Normal Torque Motor
	6.	Medium Temp.	(+20 F)	Normal Torque Motor
	7.	Medium Temp.	(+20 F)	High Torque Motor
	8.	Air Cond.	(+49 F)	Improved Performance
	9.	Comm'l Temp.	(+20 F)	High Torque Motor
	0.	Comm'l Temp.	(+20 F)	Normal Torque Motor
	A.	Medium & Low Temp.	(+20 F)	Normal Torque Motor

* Application 5 Compressors applied to condensing units:
1. Compressor model number remains application 5.
2. Unit model number will change to application 4.
Example: A condensing unit using an SFA5612EXT compressor will have a unit model number SFA4612EXT__.

IV. Total Number of Digits in Rated 60 Hz. Capacity of Compr./Unit.

V. First Two Digits of Approximate Rated Capacity of Compr./Unit.

VI. Primary Refrigerant:

A = R12
E = R22
J = R502
M = Isobutane
U = Propane
Y = R134a
Z = R404A/R507

VII. Voltage Code: (Voltage-Hz-Phase)

XA = 115-60-1; 100-50-1
XB = 230-60-1; 200-50-1
XC = 240/220-50-1
XD = 230/208-60-1; 200-50-1
XF = 230/208-60-3; 240/200-50-3
XG = 460-60-3; 420/380-50-3
XH = 575-60-3; 520/480-50-3
XN = 230/208-60-1; 220/200-50-1
XP = 220-60-1; 200-50-1
XT = 230/200-60-3; 220/200-50-3
XV = 265-60-1

For explanation of voltages not listed, contact Tecumseh Products Co.

Cooling Application Data - Outdoor Temperature °F①

MODEL	D.B./W.B. ②	COOLING CAPACITY	75°	80°	85°	90°	95°	100°	105°	110°	115°
WA181	75/	Total Cooling	19,610	18,670	17,730	16,820	15,920	15,040	14,180	13,330	12,500
	62	Sensible Cooling	14,830	14,690	14,480	14,190	13,830	13,390	12,880	12,300	11,640
	80/	Total Cooling	20,970	20,360	19,710	19,020	18,300	17,540	16,750	15,920	15,060
	67	Sensible Cooling	14,630	14,465	14,300	14,135	13,970	13,640	13,230	12,720	12,125
	85/	Total Cooling	24,960	23,780	22,620	21,460	20,315	19,180	18,050	16,930	15,815
	72	Sensible Cooling	14,750	14,620	14,400	14,090	13,690	13,190	12,610	11,930	11,155
WA241	75/	Total Cooling	24,900	23,880	22,870	21,870	20,880	19,900	18,920	17,960	17,000
	62	Sensible Cooling	19,890	19,530	19,140	18,720	18,275	17,800	17,300	16,770	16,215
	80/	Total Cooling	26,610	26,040	25,420	24,740	24,000	23,210	22,350	21,450	20,480
	67	Sensible Cooling	19,300	19,160	18,970	18,740	18,460	18,140	17,770	17,350	16,890
	85/	Total Cooling	31,290	30,350	29,260	28,020	26,640	25,110	23,440	21,620	19,660
	72	Sensible Cooling	19,770	19,430	19,040	18,590	18,090	17,530	16,920	16,260	15,540
WA301	75/	Total Cooling	32,850	31,350	29,860	28,410	26,970	25,560	24,160	22,790	21,445
	62	Sensible Cooling	25,740	25,370	24,920	24,410	23,815	23,150	22,410	21,600	20,715
	80/	Total Cooling	35,130	34,190	33,190	32,130	31,000	29,810	28,550	27,230	25,840
	67	Sensible Cooling	24,980	24,890	24,710	24,430	24,055	23,580	23,010	22,340	21,580
	85/	Total Cooling	41,800	39,940	38,090	36,250	34,410	32,580	30,760	28,940	27,130
	72	Sensible Cooling	25,580	25,240	24,790	24,240	23,575	22,800	21,930	20,940	19,850
WA361	75/	Total Cooling	37,760	36,140	34,520	32,920	31,320	29,730	28,160	26,590	25,035
	62	Sensible Cooling	27,690	27,150	26,590	25,990	25,375	24,730	24,060	23,360	22,635
	80/	Total Cooling	40,360	39,410	38,360	37,230	36,000	34,680	33,270	31,760	30,165
	67	Sensible Cooling	26,880	26,640	26,360	26,020	25,635	25,200	24,710	24,170	23,575
	85/	Total Cooling	48,050	46,050	44,030	42,000	39,960	37,910	35,840	33,770	31,675
	72	Sensible Cooling	27,520	27,020	26,450	25,820	25,122	24,360	23,530	22,640	21,690
WA421	75/	Total Cooling	46,525	44,125	41,825	39,575	37,400	35,300	33,250	31,200	29,400
	62	Sensible Cooling	37,200	35,975	34,800	33,700	32,675	31,700	30,800	29,975	29,200
	80/	Total Cooling	49,775	48,150	46,500	44,775	43,000	41,175	39,300	37,375	35,400
	67	Sensible Cooling	36,175	35,350	34,500	33,750	33,000	32,300	31,650	31,000	30,425
	85/	Total Cooling	59,250	56,275	53,350	50,500	47,725	45,000	42,350	39,750	37,200
	72	Sensible Cooling	37,025	35,250	34,650	33,475	32,350	31,200	30,125	29,050	28,000
WA482	75/	Total Cooling	48,200	46,300	44,650	43,070	41,300	39,340	37,190	34,840	32,300
	62	Sensible Cooling	39,120	38,520	37,680	37,510	37,000	36,130	34,910	33,330	31,400
	80/	Total Cooling	51,440	50,440	49,640	48,750	47,500	45,890	43,920	41,590	38,900
	67	Sensible Cooling	37,950	37,800	37,600	37,400	37,300	36,740	35,800	34,490	32,800
	85/	Total Cooling	59,900	58,650	57,240	55,350	52,700	49,700	46,700	43,800	40,850
	72	Sensible Cooling	38,750	38,250	37,450	37,230	36,600	35,570	34,150	32,320	30,100
WA602	75/	Total Cooling	60,350	57,500	54,630	52,320	50,000	47,660	45,290	42,910	40,500
	62	Sensible Cooling	45,170	43,700	42,180	41,110	40,000	38,840	37,640	36,390	35,100
	80/	Total Cooling	64,600	62,750	60,690	59,190	57,500	55,610	53,540	51,260	48,800
	67	Sensible Cooling	43,950	42,960	41,830	41,150	40,400	39,570	38,660	37,670	36,600
	85/	Total Cooling	76,800	73,300	69,610	66,740	63,800	60,780	57,700	54,530	51,300
	72	Sensible Cooling	44,900	43,470	41,970	40,840	39,600	38,260	36,810	35,260	33,600

① Below 65°F, unit requires a factory or field installed low ambient control.
② Return air temp. °F.

CAPACITY MULTIPLIER FACTORS			
% of Rated Air Flow	-10	Rated	+10
Total BTUH	0.975	1.0	1.02
Sensible BTUH	0.950	1.0	1.05

overall rating weighted averages

WHEN Num_Of_Compressors_Rated = '0'
Rating_Cabinet * 0.125
Rating_Condensate_Pan * 0.0625
Rating_Electrical * 0.0625
Rating_Outdoor_Coil * 0.3125
Rating_Indoor_Coil * 0.3125
Rating_Heat_Exchanger * 0.125

WHEN Num_Of_Compressors_Rated <> '0'
Rating_Cabinet * 0.05
Rating_Condensate_Pan * 0.025
Rating_Electrical * 0.025
Rating_Outdoor_Coil * 0.125
Rating_Indoor_Coil * 0.125
Rating_Heat_Exchanger * 0.05
Rating_All_Compressors * 0.60