

CONDENSING UNIT'S GENERAL CATALOGUE



KHO LẠNH THÀNH PHỐ

GIẢI PHÁP HIỆU QUẢ VỀ NGÀNH CƠ ĐIỆN LẠNH VIỆT NAM



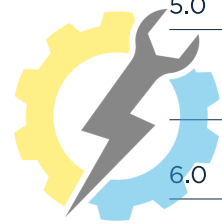


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1.0 TECUMSEH HISTORY, LEGACY AND FUTURE



2.0 ABOUT US



Headquarters
SELANGOR, MALAYSIA

DEMONSTRATED PERFORMANCE

Tecumseh Products Company is renowned for bringing an extra dimension of product innovation, customer reliance and product quality to the air conditioning and refrigeration industry. As a result of our innovative spirit and product performance, people rely on our products every day. We literally touch the lives of millions.

GIẢI PHÁP HIỆU QUẢ VỀ NGÀNH CƠ ĐIỆN LẠNH VIỆT NAM

EARLY BEGINNINGS

We developed the first “hermetic” compressors for consumer refrigerators in 1937. As the name Tecumseh became synonymous with commercial refrigeration and central home air conditioning, we expanded our product line to include automotive air conditioning compressors in 1953. Our reputation for innovation for innovation was further enhanced in 1959 when we developed the first high-speed hermetically sealed compressor for commercial applications.

TECUMSEH INNOVATION

Today, we engineer a full line of hermetically sealed compressors for residential and specialty air conditioning, home refrigerators and freezers, and commercial refrigeration. But our expertise doesn't stop there; we also offer a complete line of indoor and outdoor condensing units, evaporator coils, heat pumps, complete refrigeration systems and authorized spare parts.

GLOBAL PRODUCTS

Our products can be quickly accessed from manufacturing facilities on four continents when needed on a worldwide basis. We can provide coordination among our global facilities and your plants locations anywhere, so product selection, specifications and delivery of products are assured.

UNWAVERING COMMITMENT

Tecumseh has responded to the challenges of the refrigeration and air-conditioning marketplace for our seven decades, leading the way with improved products and service in support of the industry we serve. A company wide dedication to quality control has already earned Tecumseh the highest quality rating from major refrigeration and air conditioning manufacturers and the people we employ are honoured to touch so many lives in so many countries every day.

3.0 GENERAL INFORMATION



CONDENSING UNIT

ENI3215	DOMESTIC APPLICATION	LBP	HP/MBHP
EVAPORATING TEMPERATURE	-25°C	-35°C	5°C
AMBIENT TEMPERATURE	32°C	40°C	32°C
RETURN GAS TEMPERATURE	32°C	40°C	20°C
SUBCOOLING	3K	3K	3K

UNIT CONVERSION

*For the conversion of the refrigeration capacity from att at 50Hz to:

- Btu/hr at 50Hz, use multiplying factor 3.41
- Kcal/hr at 50Hz, use multiplying factor 0.86

Conversion factor for obtaining the capacity in HP

- in medium and high back pressure and all air conditioning.
(Evap Temp: +7.2, Cond. Temp. : 54.5)

$$HP = \frac{\text{Performance at 60hz in Btu/hr}}{12,000}$$

- in low back pressure
(Evap Temp: -23.3, Cond Temp: 54.5)

$$HP = \frac{\text{Performance at 60hz in Btu/hr}}{4,000}$$

VOLTAGE CODE

CODE	FZ	TZ	KS	GF	CG	CF	JF
PHASE	I	3	I	3	I	I	I
50Hz Rated (V)	220-240	400	220-240	400	230	230	230
Approved Range (V)	198-264	340-440	198-264	340-460	170-260	160-260	160-260
60Hz Rated (V)	-	440	-	-	-	-	-
Approved Range (V)	-	396-499	-	-	-	-	-

CODE	FS	JE	XC	XG	GE	GH
PHASE	I	3	I	3	I	I
50Hz Rated (V)	220	230	220-240	380-420	230	230
Approved Range (V)	180-242	180-260	198-264	342-462	180-264	187-264
60Hz Rated (V)	-	-	-	460	-	-
Approved Range (V)	-	-	-	414-506	-	-

5.0 INTRODUCTION (EASYPACK)



NEW GENERATION
SPECIAL CONDENSING UNIT

EASYPACK SINGLE FAN



NEW GENERATION
SPECIAL CONDENSING UNIT

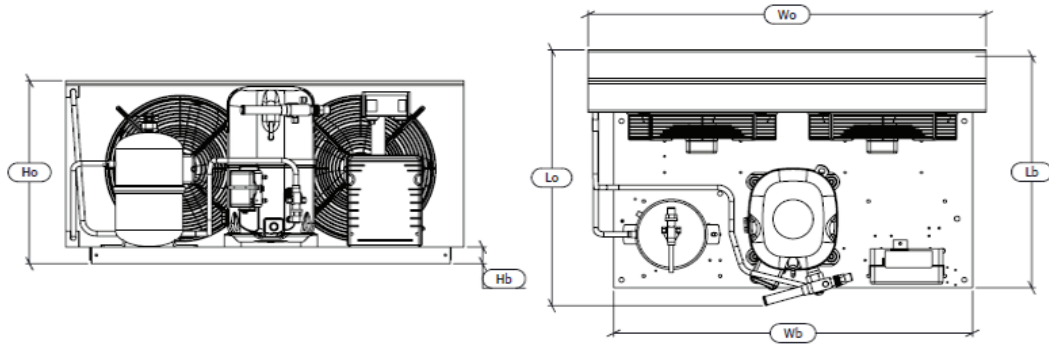
EASYPACK TWIN FAN

CONDENSING UNIT NOMENCLATURE

EP	L	2	4	80	Z
Family	Application	Application	-	-	Refrigerant
Easy Pack					
EPS = Single Phase EP = Three Phase	H = High Back Pressure L = Low Back Pressure	H = High Back Pressure L = Low Back Pressure	Capacity Number of digits of cooling capacity	Capacity First two digits in Rating Point Capacity @ 60Hz (8,000 Btu/h)	Z = R404A E/F/T = R22



5.1 EASYPACK (50HZ)



UNIT DIMENSION

Dimension I						Dimension II						Dimension III					
Overall Dimension			Baseplate Dimension			Overall Dimension			Baseplate Dimension			Overall Dimension			Baseplate Dimension		
Ho (mm)	Wo (mm)	Lo (mm)	Hb (mm)	Wb (mm)	Lb (mm)	Ho (mm)	Wo (mm)	Lo (mm)	Hb (mm)	Wb (mm)	Lb (mm)	Ho (mm)	Wo (mm)	Lo (mm)	Hb (mm)	Wb (mm)	Lb (mm)
558	600	600	43	600	600	673	1072	690	43	974	590	558	1060	690	43	1060	690

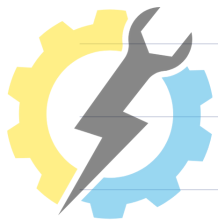
UNIT SPECIFICATION

Model	HP	Disp. (cm ³)	Motor Type	Cooling Capacity (Watt)						Current (A)		COP (W/W)	Diameter of Connection		Dimension	Weight (KG)	Sound Level (dba)
				-40°C	-35°C	-30°C	-25°C	-20°C	I Nom (Amps)	I Max (Amps)	Suction (mm/inch)		Liquid (mm/inch)				
LBP-(R-404A)	EPL2480Z-XC	2	53.2	CSR	773	1198	1629	2066	2509	8.3	20.1	0.93	15.90 (5/8")	9.50 (3/8")	I	73.0	74
	EPL2480Z-XG	2	53.2	TRI	805	1249	1701	2161	2629	2.8	4.3	1.03	15.90 (5/8")	9.50 (3/8")	I	73.0	74
	EPL2511Z-XC	2 3/4	74.2	CSR	1069	1572	2137	2763	3449	12.9	25.5	0.97	15.90 (5/8")	9.50 (3/8")	I	80.0	76
	EPL2511Z-XG	2 3/4	74.2	TRI	1069	1572	2137	2763	3449	4.0	5.9	1.06	15.90 (5/8")	9.50 (3/8")	I	80.0	76
	EPL2513Z	3 1/4	100.7	TRI	1010	1645	2398	3266	4237	5.0	9.3	0.88	22.20 (7/8")	9.50 (3/8")	II	91.4	82
	EPL2516Z	4	112.5	TRI	1492	2186	2960	3813	4743	5.4	10.7	1.03	22.20 (7/8")	9.50 (3/8")	II	110.0	81
	EPL2522Z	5 1/2	134.8	TRI	1895	2739	3723	4849	6112	6.9	14.7	1.05	28.60 (1 1/8")	9.50 (3/8")	II	118.0	81
	EPL2525Z	6 1/4	145.0	TRI	2053	2971	3993	5102	6270	7.4	14.7	1.04	28.60 (1 1/8")	9.50 (3/8")	II	108.0	86

Model		HP	Disp. (cm ³)	Motor Type	Cooling Capacity (Watt)					Current (A)		COP (W/W)	Diameter of Connection		Dimension	Weight (KG)	Sound Level (dba)
					-15°C	-10°C	-5°C	0°C	5°C	I Nom (Amps)	I Max (Amps)		Suction (mm/inch)	Liquid (mm/inch)			
HBP - (R-404A)	EPSH4517Z	1 1/2	26.0	CSR	1798	2171	1629	2997	3444	8.0	13.4	1.74	15.90 (5/8")	9.50 (3/8")	I	60.0	76
	EPH4517Z	1 1/2	26.0	TRI	1757	2158	2582	3028	3494	3.4	4.4	1.65	15.90 (5/8")	9.50 (3/8")	I	60.0	76
	EPSH4519Z	1 3/5	34.5	CSR	2382	2903	3457	4039	4644	10.7	16.0	1.79	15.90 (5/8")	9.50 (3/8")	I	60.0	76
	EPH4519Z	1 3/5	34.5	TRI	2149	2921	3459	4030	4630	4.6	5.4	1.79	15.90 (5/8")	9.50 (3/8")	I	60.0	76
	EPH4524Z-XC	2	43.3	CSR	2442	3053	3706	4397	5125	11.0	19.0	1.58	15.90 (5/8")	9.50 (3/8")	I	73.0	80
	EPH4524Z-XG	2	43.3	TRI	2442	3053	3706	4397	5125	4.2	6.9	1.64	15.90 (5/8")	9.50 (3/8")	I	73.0	80
	EPH4532Z-XC	2 3/5	50.6	CSR	3636	4486	5361	6262	7184	14.8	28.0	1.85	22.20 (7/8")	12.70 (1/2")	I	78.0	81
	EPH4532Z-XG	2 3/5	50.6	TRI	3636	4486	5361	6262	7184	5.4	9.0	1.91	22.20 (7/8")	12.70 (1/2")	I	78.0	80
	EPH4538Z-XC	3 2/7	63.0	CSR	4490	5433	6444	7518	8654	20.0	28.8	0.78	22.20 (7/8")	12.70 (1/2")	I	80.0	81
	EPH4538Z-XG	3 2/7	63.0	TRI	4490	5433	6444	7518	8654	7.0	10.4	0.75	22.20 (7/8")	12.70 (1/2")	I	80.0	81
	EPH4544Z-XG	3 3/5	68.0	TRI	4889	5943	7036	8153	9272	9.1	12.2	2.03	22.20 (7/8")	12.70 (1/2")	II	81.0	81
	EPH4546Z	3 4/5	90.2	TRI	4659	5972	7438	9056	10823	8.6	13.7	1.80	22.20 (7/8")	12.70 (1/2")	II	110.0	86
	EPH4553Z	4 2/5	100.7	TRI	5260	6703	8291	10019	11878	8.9	14.5	1.79	28.60 (1 1/8")	12.70 (1/2")	II	118.0	85
	EPH4561Z	5	112.5	TRI	6013	7508	9136	10895	12776	10.1	17.0	1.80	28.60 (1 1/8")	12.70 (1/2")	II	118.0	85
	EPH4568Z	5 5/7	124.4	TRI	7271	9026	10972	13118	15476	11.3	16.3	1.96	28.60 (1 1/8")	12.70 (1/2")	II	135.0	84
	EPH4573Z	6	134.8	TRI	7875	9692	11700	13905	16314	13.0	21.0	1.91	28.60 (1 1/8")	12.70 (1/2")	II	135.0	85
EPH4581Z	6 3/4	145.0	TRI	8540`	10384	12329	14347	16414	15.2	23.0	1.76	28.60 (1 1/8")	12.70 (1/2")	III	135.0	86	

EN 13215 : Return gas temp. +20 °C, Subcooling 3 °K

11.0 NOTES



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SECTION



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GIẢI PHÁP HIỆU QUẢ VỀ NGÀNH CƠ ĐIỆN LẠNH VIỆT NAM



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