

TECUMSEH MALAYSIA

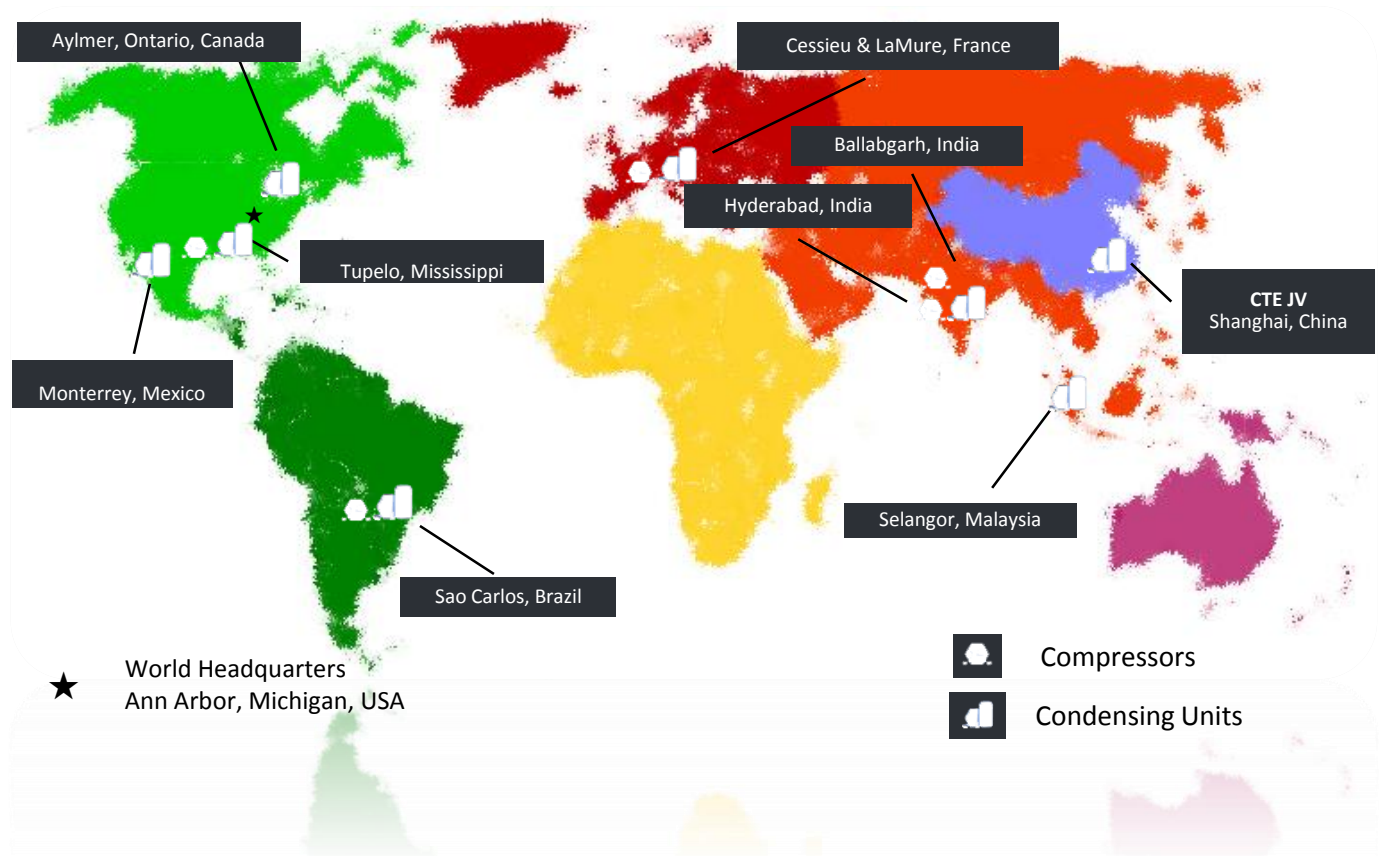
SEMI HERMETIC CATALOGUE

Cooling for a Better Tomorrow



Tecumseh

Tecumseh Product Company



About Tecumseh

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.

Early beginnings. We developed the first “hermetic” compressor 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 was further enhanced in 1959 when we developed the first high-speed hermetically-sealed compressor for commercial applications.

A focused company. Although our product manufacturing focus remains constant, Tecumseh has substantially invested in research and development engineering laboratories in North America, Europe, South American and India. We've also partnered with R&D facilities at universities throughout the globe. These facilities are not just responsible for engineering product solutions, but our university partners also provide Life Science Research on how our products interface with mankind and the environment.

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 plant locations anywhere, so product selection, specifications and delivery of product are assured.

Unwavering commitment. Tecumseh has responded to the challenges of the refrigeration and air conditioning marketplace for over 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.

GENERAL INFORMATION

Rating Condition

Compressors

EN 12900

	LBP	HP / MHBP
Evaporating Temperature	- 35 °C	- 10 °C
Condensing Temperature	+ 40 °C	+ 45 °C
Return Gas Temperature	+ 20 °C	+ 20 °C
Sub-cooling	0K	0K

Condensing Units

EN13215

	LBP	HP / MHBP
Evaporating Temperature	- 35 °C	- 10 °C
Condensing Temperature	+ 32 °C	+ 32 °C
Return Gas Temperature	+ 20 °C	+ 20 °C
Sub-cooling	3K	3K

Unit Conversion

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

Btu/hr at 50 Hz, use multiplying factor 3.41

Kcal/hr at 50 Hz, 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 °C, Cond Temp.: 54.5 °C)

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

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

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

SEMI-HERMETIC COMPRESSOR

COMMERCIAL HIGH TEMPERATURE REFRIGERATION

Model	Displacement (m ³ /h)	EN12900 (RTG 20 °C) Capacity (Watt)			Current (Amps)		Diameter of Connection		Oil Charge (cm ³)	Weight (kg)
		-5 °C	0 °C	+5 °C	I Nom	I Max	Suction (Inches)	Discharge (Inches)		
SH 4576ZYZ	21.18	11,081	13,429	16,070	10.6	11.6	1"1/8	3/4	1,600	79
SH 4591ZYZ	24.69	13,164	15,968	19,188	12.6	12.7	1"1/8	7/8	1,600	79
SH 4610ZYZ	28.02	15,409	18,615	22,283	16.4	17.6	1"3/8	1"1/8	1,600	79
SH 4612ZYZ	32.66	17,778	21,468	25,698	18.6	20.0	1"3/8	1"1/8	1,600	79
SH 4615ZMZ	41.32	21,829	26,668	32,203	20.7	22.4	1"3/8	1"1/8	2,900	120
SH 4620ZMZ	51.50	29,128	35,001	41,797	30.1	32.4	1"5/8	1"1/8	2,900	126
SH 4622ZMZ	56.00	32,090	38,510	45,930	34.9	38.4	1"5/8	1"1/8	2,900	132
SH 4627ZMZ	70.77	38,340	46,780	56,510	38.2	43.5	2"1/8	1"3/8	4,000	184
SH 4632ZMZ	83.81	46,490	56,490	67,970	44.3	49.2	2"1/8	1"3/8	4,000	187

COMMERCIAL LOW TEMPERATURE REFRIGERATION

Model	Displacement (m ³ /h)	EN12900 (RTG 20 °C) Capacity (Watt)			Current (Amps)		Diameter of Connection		Oil Charge (cm ³)	Weight (kg)
		-35 °C	-30 °C	-20 °C	I Nom	I Max	Suction (Inches)	Discharge (Inches)		
SH 2534ZYZ	28.02	4,435	5,956	9,867	8.8	14.0	1"3/8	7/8	1,600	79
SH 2542ZYZ	32.66	5,514	7,227	11,628	9.8	14.4	1"3/8	1"1/8	1,600	79
SH 2552ZYZ	35.86	6,643	8,661	13,811	12.8	19.4	1"3/8	1"1/8	1,600	79
SH 2568ZMZ	51.50	9,146	11,915	18,767	15.9	24.5	1"3/8	1"1/8	2,900	120
SH 2575ZMZ	56.00	9,914	13,059	20,867	20.7	30.7	1"5/8	1"1/8	2,900	130
SH 2610ZMZ	83.81	13,500	17,990	29,560	26.3	42.6	1"5/8	1"1/8	4,000	180
SH 2614ZMZ	102.86	16,050	21,860	36,760	34.2	45.0	2"1/8	1"3/8	4,000	190
SH 2615ZMZ	125.72	19,490	26,320	44,100	34.7	55.7	2"1/8	1"3/8	7,200	229

Note : Constant endeavour to improve its products reserves the right to change any information contained in this leaflet without prior warning.

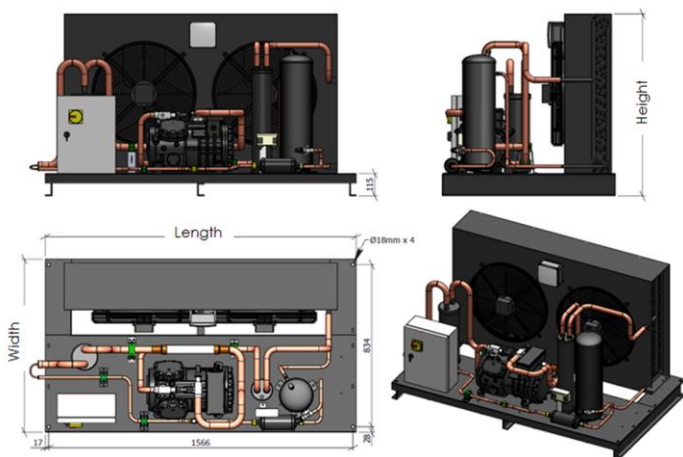
SEMI-HERMETIC CONDENSING UNIT

COMMERCIAL HIGH TEMPERATURE REFRIGERATION

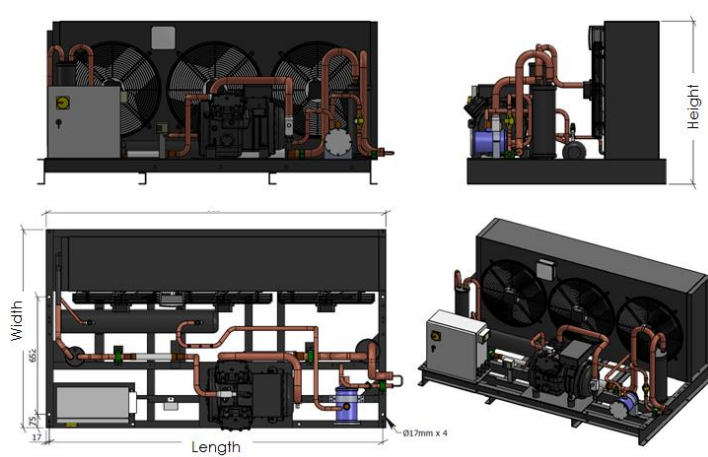
Model	EN13215 (RTG 20 °C) Capacity (Watt)			Current (Amps)		Diameter of Connection		Condenser Fan		Weight (kg)	Bases
	-5 °C	0 °C	+5 °C	I Nom	I Max	Suction (Inches)	Liquid (Inches)	Nos	Dia. (mm)		
SHT 4576ZHR	13,105	15,217	17,346	13.1	14.1	1"1/8	5/8	2	500	177	II
SHT 4591ZHR	15,658	18,228	20,974	15.1	15.2	1"1/8	5/8	2	500	177	II
SHT 4610ZHR	17,716	20,409	23,264	18.9	20.1	1"3/8	5/8	2	500	182	II
SHT 4612ZHR	20,546	23,647	27,012	21.1	22.5	1"3/8	5/8	2	500	186	II
SHT 4615ZHR	24,800	28,632	32,618	23.2	24.9	1"3/8	7/8	2	500	232	II
SHT 4620ZHR	29,877	33,857	38,068	32.6	34.9	1"5/8	7/8	2	500	232	II
SHT 4622ZHR	32,720	37,580	42,790	38.5	42.4	1"5/8	7/8	3	500	320	III
SHT 4627ZHR	37,360	42,590	47,790	41.6	47.5	2"1/8	7/8	4	500	372	IV
SHT 4632ZHR	48,130	55,400	62,760	46.4	53.2	2"1/8	7/8	4	500	375	IV

Dimension

Base I and II



Base III



COMMERCIAL LOW TEMPERATURE REFRIGERATION

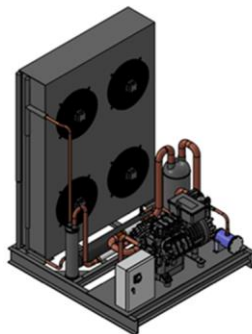
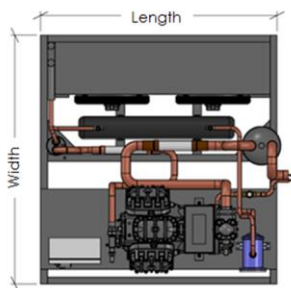
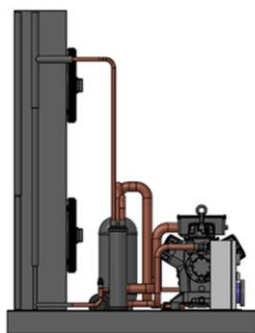
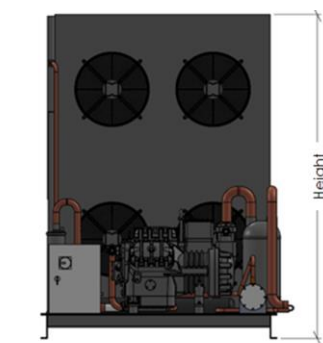
Model	EN13215 (RTG 20 °C) Capacity (Watt)			Current (Amps)		Diameter of Connection		Condenser Fan		Weight (kg)	Bases
	-35 °C	-30 °C	-20 °C	I Nom	I Max	Suction (Inches)	Liquid (Inches)	Nos	Dia. (mm)		
SHT 2534ZBR	4,821	6,329	9,903	11.3	16.6	1"3/8	5/8	2	400	177	I
SHT 2542ZBR	5,831	7,484	11,414	12.3	16.9	1"3/8	5/8	2	500	182	II
SHT 2552ZBR	7,118	9,130	13,687	15.3	22.0	1"3/8	5/8	2	500	186	II
SHT 2568ZBR	9,459	11,911	17,249	18.4	27.0	1"3/8	5/8	2	500	227	II
SHT 2575ZBR	10,564	13,488	20,269	23.3	33.2	1"5/8	5/8	2	500	242	II
SHT 2610ZBR	14,610	18,480	27,090	29.6	42.4	1"5/8	7/8	3	500	367	III
SHT 2614ZBR	16,477	20,856	30,484	37.3	47.5	2"1/8	7/8	4	500	391	IV
SHT 2615ZBR	20,210	25,270	36,590	38.0	53.2	2"1/8	7/8	4	500	416	IV

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Base IV

Base	Length	Width	Height
I	1,600	690	690
II	1,600	890	936
III	1,880	1,100	905
IV	1,368	1,440	1,875

Dimension given in mm





Tecumseh Product Company

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