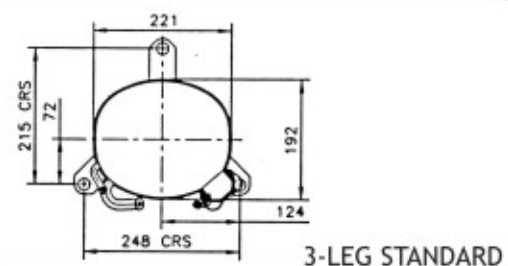
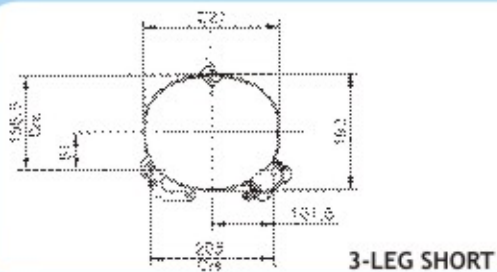


AW Series

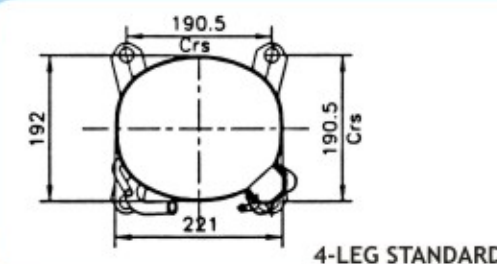
Physical Dimensions



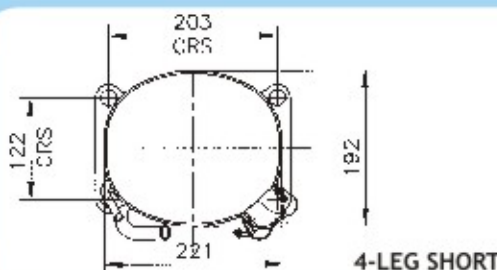
3-LEG STANDARD



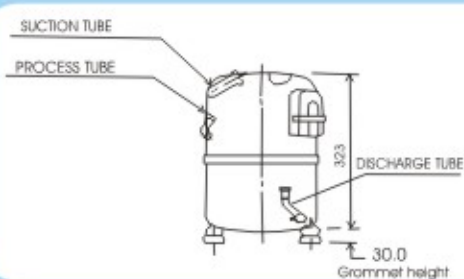
3-LEG SHORT



4-LEG STANDARD

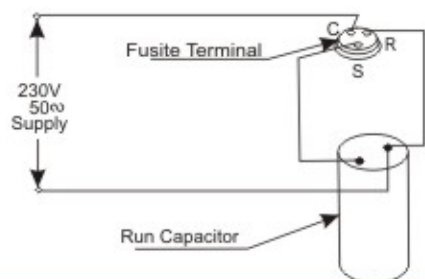


4-LEG SHORT

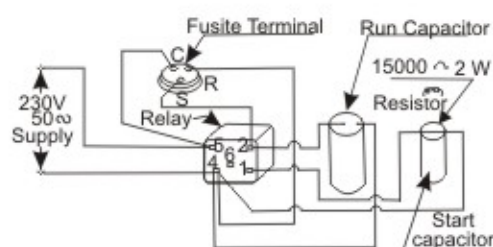


Wiring Diagrams

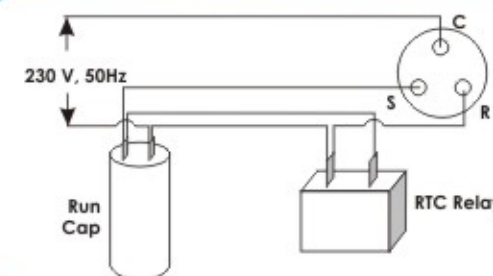
PERMANENT SPLIT CAPACITOR (PSC)



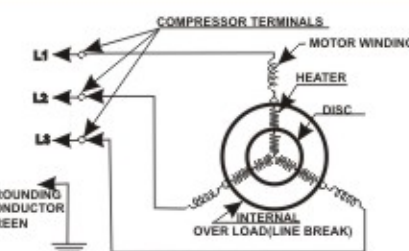
CAPACITOR START AND RUN (CSR)
Potential Relay



PTC START AND CAPACITOR RUN (PTCSCR)



3 PHASE



WIRING DIAGRAM 3PH CIRCUIT



REGISTERED OFFICE

Tecumseh Products India Pvt. Ltd., Balanagar Township, Hyderabad – 500 037. India. Ph:040 23078103 - 109

MANUFACTURING LOCATIONS

Balanagar Township, Hyderabad - 500 037 Ph : +91-40-23078103 - 105 Fax: +91-40-23078945

38 K.M. Stone, Delhi - Mathura Road, Ballabgarh - 121 004 Ph : +91-129-2307216-220 Fax: +91-129 - 2307221

SALES OFFICES

Delhi: 56, WHS Area, Furniture Block, Kirti Nagar, New Delhi - 110 015. Ph: 011 25432419, 011 25190092 Fax: 011 25927763. **Mumbai:** 1058, Twin Arcade, Opp. Blossom Hsg. Society, Military Road Marol, Andheri (East), Mumbai - 400 059. Ph: 022 29209959/63 Fax: 022 29259410. **Chennai:** Kamatchi Illam, No. 3 [Old No. 193], Raghavan Street, Ayyavoo Colony, Aminjikarai, Chennai - 600 029. Ph: 044 23632370 - 71 Fax: 044 23633372. **Kolkata:** 4/2/1A, Rustumjee Street, Kolkata - 700 019. Ph: 033 24606026 Fax: 033 24606027. **Ahmedabad:** Gala No. 41, Amul Estate, Opp: Marium Masjid, Near Sanand-Sarkhej, Railway Crossing, Sarkhej, Ahmedabad-380 220 Ph: 079 26823458 Fax: 079 26823423. **Secunderabad:** Trading Division, Balanagar Township, Hyderabad – 500 037. Telefax: 040 23720034, 040 23720034. **Chandigarh:** Plot No. 211, Sector 29D, Iron Market, Chandigarh. Ph: 0172 2657085 Fax: 0172 2657147. **Silvassa:** Gala No. 2/3, Sai Industrial Estate, Aml, Silvassa, Ph: 0260 2632332. **Pune:** Singh Warehousing Compound, Gut No. 2347/1/3/B, Nagar Road, Wagholi, Pune - 412 207. Ph: 020 27050673. **Indore:** 302, Navlakha, Opp: Prakash Nagar, Nemawar Road, Indore - 452 001. Ph: 0731 2400554. **Ghaziabad:** 71, New Arya Nagar, Delhi - Meerut Road, Ghaziabad. Ph: 0120 3945892.



AW Series Aircon Application

**High Efficiency, Super Tropicalised,
Wide Voltage Range & Super Silent.**
12000 to 42000 Btu/hr in 50 and 60 Hz



MKT/CTSS/L/01/13/01-08

MAA Bozell/Hyd/08

Note: All dimensions are in millimetres

Tecumseh Products Company

A brief about Tecumseh

Tecumseh Products Company's (TPC) USA global vision of providing comfort, health and convenience to millions worldwide, gives an impetus for the company's steady diversification into new frontiers. And today, this cooling giant's products are available in over a 100 countries across the globe.

Tecumseh Products India Private Limited (TIPL) is a fully owned subsidiary of TPC. Tecumseh Products India Private Limited (TIPL) is the largest independent manufacturer of compressors in the country.

Three decades of experience coupled with constant research and continuous innovation have seen Tecumseh enjoy an impeccable reputation for product excellence. An outstanding example of this is the AW Series Compressors.

Not many people ever look inside their air-conditioners to see the compressors that drive the critical cooling systems of these appliances. They expect that these major purchases will perform efficiently, safely and reliably for many years. As one of the largest independent producers of hermetically sealed compressors in the world, we are using our flexible manufacturing systems across four continents to deliver customized solutions that exceed consumer expectations and enhance our customers' bottom line.

AW Series – Proven technology!

The AW series which is super tropicalised, energy efficient and super silent compressor range from Tecumseh is undoubtedly most preferred range of compressors for Air-conditioner application worldwide. The computer designed motors are specially tropicalised to meet adverse power conditions and extreme climate. In fact, electric motors are one of the most important products that make up the hidden infrastructure of our modern world.

The compressors are capable of working in a wide range of voltage and have been successfully tested for 4000 hours besides meeting SASO standards. Tecumseh is always in forefront in understanding the new market trends and aware of what users are looking for.

AW Series – Ultimate value in their category!

Built to match international standards of quality and performance, the AW series is highly energy efficient, ensuring low power consumption for substantial cost savings.

AW Series – Always first choice!

Many of the leading Air-conditioning manufacturers have placed their wholehearted trust and staked the reputation of their brands on the proven AW Series of compressors. The rugged and reliable range, backed by Tecumseh's unmatched service has emerged as the first preference for all biggest names in India, Saudi Arabia, UAE, Bahrain, China, Pakistan... and many more.

AW Series – Quality is its strength!

At Tecumseh, we are committed to leading the trend towards overall efficiency improvement and environmentally responsible products. Our compressors are made in a state-of-the-art facility under stringent process controls backed by ISO9001 certified quality management system. In addition, our plants pursue ISO14001 certification to maintain the evolution of our manufacturing processes and the products are UL, IS and VDE certified.



AW SERIES

Series	Model	Dis. / Rev.		Capacity		Current	Power	EER		Circuit	LRA	Voltage		Run Capacitor	Start Capacitor	Potential Relay	Oil Qty	Wt
		cc	cc.in	Btu/hr	Kcal/hr	Amps	Watts	Btu/w hr	Kcal/w hr		Amp	Rated Volts	Range @ 35°C Volts	Mfd,VAC	Mfd,VAC	Model	cc	Kg
50 Hz, 1 Ø	R-22																	
AWQ Silent Series	AWQ 5515 EGE	32.70	2.00	13000	3276	6.3	1400	9.29	2.3	PSC	40.0	220-240	165-264	25,370/440	80/100,275	RVA4G3D	1130	26.9
	AWQ 5522 EGE	43.26	2.64	19000	4788	8.5	1930	9.84	2.5	PSC	51.0	220-240	165-264	36,440	80/100,275	RVA4G3D	1130	27.7
AWR Standard Series	AWR 5524 EGE	43.26	2.64	20700	5216	10.0	2080	9.95	2.5	PSC	51.0	220-240	165-264	36,440	80/100,275	RVA4G3D	1130	27.7
	AWR 5524 EXC	43.26	2.64	20700	5216	10.0	2080	9.95	2.5	PSC	51.0	220-240	187-264	36,440	80/100,275	RVA4G3D	1130	27.7
	AWR 5528 EGH	48.43	2.96	23100	5821	10.5	2360	9.79	2.5	PSC	65.0	220-240	176-264	36,440	80/100,275	RVA4G3D	1130	29.8
	AWR 5530 EGH	50.60	3.09	25200	6350	11.7	2560	9.84	2.5	PTCR/PSC	79.0	220-240	176-264	45,440	80/100,275	RVA4G3D	1130	29.0
	AWR 5530 EXC	50.60	3.09	25200	6350	11.7	2560	9.84	2.5	PTCR/PSC	79.0	220-240	187-264	45,370	120/150,275	RVA3E3D	1130	28.5
	AWR 5532 EGH	54.30	3.31	26800	6754	12.2	2720	9.85	2.5	PTCR/PSC	79.0	220-240	176-264	45,440	120/150,275	RVA4G3D	1130	29.0
	AWR 5535 EGH	59.00	3.60	29500	7434	13.2	2975	9.92	2.5	PSC/CSR	85.0	220-240	176-264	45,440	120/150,275	RVA3E3D	1130	30.9
	AWR 5538 EXC	63.07	3.85	31500	7938	14.8	3200	9.84	2.5	CSR	92.0	220-240	187-264	50,370	145/175,330	RVA4G3D	1130	31.0
AWS High Efficiency Series	AWS 5522 EGE	39.59	2.42	18500	4662	7.8	1780	10.39	2.6	PSC	51.0	220-240	165-264	36,440	80/100,275	RVA4G3D	1130	29.0
	AWS 5530 EGH	49.60	3.03	24500	6174	11.0	2370	10.34	2.6	PTCR/PSC	68.0	220-240	176-264	45,440	120/150,275	RVA4G3D	1130	29.8
50 Hz, 3 Ø	R-22																	
AWR Standard Series	AWR 5522 EGF	39.60	2.42	18340	4622	3.0	1850	9.91	2.5	3 Ø	17.0	380-415	342-460	-	-	-	1130	27.0
	AWR 5535 EGF	59.00	3.60	29200	7358	4.9	2900	10.07	2.5	3 Ø	32.0	380-415	342-460	-	-	-	1130	30.0
AWS High Efficiency Series	AWS 5530 EGF	50.60	3.09	24200	6098	3.8	2365	10.23	2.6	3 Ø	28.0	380-415	342-460	-	-	-	1130	28.5
	AWS 5538 EGF	63.00	3.84	31200	7862	5.3	3120	10.00	2.5	3 Ø	45.0	380-415	342-460	-	-	-	1130	30.0
60 Hz, 1 Ø	R-22																	
AWZ Standard Series	AWZ 5516 EXN	32.70	2.00	16000	4032	7.0	1580	10.13	2.6	PSC	40.0	208-230	166-253	20,370	145/175,330	3ARR3-A3B2	1130	26.9
	AWZ 5520 EXN	39.60	2.42	20400	5141	9.7	2075	9.83	2.5	PSC	52.0	208-230	166-253	25,370	145/175,330	3ARR3-K3U4	1130	26.9
	AWZ 5522 EXN	39.60	2.42	22500	5670	10.0	2160	10.42	2.6	PSC	52.0	208-230	177-253	25,370	80/108,330	3ARR3-A3B2	1130	27.7
	AWZ 5524 EXN	43.26	2.64	24600	6199	11.0	2480	9.92	2.5	PSC	51.0	208-230	177-253	35,370	80/108,330	3ARR3-A3B2	1130	27.7
	AWZ 5528 EXN	50.60	3.09	27480	6925	13.0	2830	9.71	2.4	PSC	73.0	208-230	177-253	35,370	80/108,330	3ARR3-A3B2	1130	27.7
	AWZ 5530 EXN	50.60	3.09	30300	7636	13.2	2910	10.41	2.6	PTCR/PSC	79.0	208-230	177-253	45,370	145/175,330	3ARR3-A3B2	1130	29.0
	AWZ 5532 EXN	54.30	3.31	32000	8064	14.4	3200	10.00	2.5	PSC/CSR	90.0	208-230	177-253	45,370	145/175,330	3ARR3-U3P2	1130	30.0
	AWZ 5535 EXN	59.00	3.60	35000	8820	15.4	3500	10.00	2.5	PSC/CSR	92.0	208-230	177-253	45,370	145/175,330	RVA3AG3D	1130	30.9
	AWZ 5538 EXN	63.09	3.85	38000	9576	17.8	3800	10.00	2.5	CSR	102.0	208-230	177-253	45,370	145/175,330	RVA3AH3D	1130	31.0
60 Hz, 1 Ø	R-22																	
AWT/AWV High Efficiency Series	AWT 5527 EXN	45.80	2.79	27400	6905	11.50	2585	10.60	2.7	PSC	69.0	208-230	177-253	45,370	-	-	1130	31.6
	AWT 5528 EXN	46.50	2.84	28500	7182	11.70	2638	10.80	2.7	PSC	73.0	208-230	177-253	45,370	-	-	1130	32.0
	AWV 5520 EXW	39.57	2.41	20400	5141	8.00	1805	11.30	2.8	PSC	53.0	208-230	187-253	25,370	-	-	1130	28.0
	AWV 5528 EXW	45.80	2.79	28500	7182	11.50	2525	11.30	2.8	PSC	73.0	208-230	187-253	45,370	-	-	1130	32.0
50/ 60 Hz, 1 Ø	R-22																	
AW Series Higher Capacity	AWZ 5542 EXN, 60Hz	68.02	4.15	42000	10584	18.50	4040	10.40	2.6	CSR	100.0	220-240	197-254	45,370	145/175,330	RVA3AH3D	1130	31.0
	AWZ 5542 EXN, 50Hz	68.02	4.15	35000	8820	20.00	3365	10.40	2.6	CSR	115.0	208-230	180-242	45,440	145/175,330	RVA3AH3D	1130	31.0
50/ 60 Hz, 3 Ø	R-22																	
AW Series Higher Capacity	AWR 5542 EXG, 60Hz	68.02	4.15	42000	10584	5.60	4040	10.40	2.6	CSR	52.0	460	396.484	NA	-	-	1130	30.0
	AWR 5542 EXG, 50Hz	68.02	4.15	35000	8820	6.70	3365	10.40	2.6	CSR	60.0	400	360-440	NA	-	-	1130	30.0

1	Application	HBP
2	Evap. Temp. Range	-23.3°C to + 12.8°C
3	Refrigerant	R-22
4	Refrigerant Control	Capillary/Expansion
5	Compressor Cooling	425 CFM
6	Evaporating Temperature	7.2°C
7	Condensing Temperature	55°C
8	Liquid Sub Cooling Temperature	46°C



Notes:

1. The compressors conform to IS: 10617 – 1983, Part – 1.
2. Values of cooling capacity, current and power input are nominal and subject to variation of ±5%.
3. The voltage range refers to terminal voltage and is as per specified rated test conditions.
The compressor can start and run (upto 54°C) if the terminal voltage is in the specified range.
4. Motor Circuit PSC indicates Permanent Split Capacitor type.
5. Motor Circuit PTCR indicates Positive Temperature Co-efficient Start & Run type.
6. Motor Circuits CSR indicates Capacitor Start & Run.
7. Specifications are subject to change without prior notice. Please contact nearest sales office/depot/dealer for further information.
8. The product specifications do not conform to any regulatory and other requirements than those mentioned.