



Tecumseh

Tecumseh Compressors & HTA Condensing Units



Enjoy the Tecumseh advantage.



FOCUS

Continually investing in research and engineering development.

From its humble beginnings in 1934, for over 74 years Tecumseh has revolutionised the refrigeration industry with the development of the first sealed compressor, a design which significantly increased appliance longevity and reliability.



INNOVATION

Leading the way with improved product efficiency and service.

Tecumseh's reputation for innovation has been enhanced over the years with the development of the first high-speed hermetically-sealed compressor for commercial applications.



PERFORMANCE

Proven quality and guaranteed performance.

Over the years, Tecumseh has become America's largest compressor producer, manufacturing 70% of all freezers, window air conditioners and 30% of all refrigerators.



COMMITMENT

To the highest levels of technical and application support.

Today, Tecumseh manufactures on four continents for customers around the globe, and continues to seek opportunities to carry out its founders philosophy – to make the highest quality compressors so that people everywhere get to enjoy a higher quality of life.

As a leading global manufacturer of hermetic compressors and condensing units, Tecumseh products touch the lives of millions every day. Innovative, durable and highly efficient, we continue to set the standard that others follow.



Condensing Units



Tecumseh Hermetique AE² Series Condensing Units

Developed to respond to the most challenging energy demands, the new AE² condensing units deliver a best-in-class efficiency, smaller size envelope and Tecumseh's industry known standard for reliability.

Features:

- Tecumseh Europe Hermetique AE² compressor
- Improved compressor COP
- Liquid receiver
- Reduced unit dimensions
- Improved sound performance
- Factory wired single phase fan motor

AE² Series - Medium Temperature R404A

Product Code	Model Number	Compressor		Amb. Temp °C	Capacity: Watts							Conns. Suction / Discharge	Max Operating Current Amps	Cond. Fans No. / Dia. mm
					Evaporating Temp: °C									
					-20	-15	-10	-5	0	5	10			
9507010	AET4450ZHR-FZ	3/8	CSIR	32	542	674	820	981	1154	1340	1535	3/8" 1/4"	5.7	1 x 300
				43	-	544	666	796	934	1078	1227			
				46	-	508	623	745	873	1006	1144			
9507011	AET4460ZHR-FZ	1/2	CSIR	32	675	816	972	1142	1325	1520	1724	3/8" 1/4"	6.5	1 x 300
				43	-	660	790	929	1076	1232	1394			
				46	-	616	739	870	1008	1153	1304			
9507012	AET4470ZHR-FZ	1/2	CSR	32	779	946	1125	1316	1519	1733	1956	3/8" 1/4"	5.9	1 x 300
				43	-	781	934	1092	1258	1429	1607			
				46	-	736	881	1031	1185	1345	1511			

Capacity Rating Basis: 20°C return gas, 3K sub-cooling.

Condensing Unit Physical Data

Product Code	Model Number	Overall Dimensions: mm			Weight kg	Sound Power Level dBA
		Height	Depth	Width		
AE² Series Medium Temperature						
9507010	AET4450ZHR-FZ	338	496	433	25.7	70
9507011	AET4460ZHR-FZ	338	496	433	25.5	70
9507012	AET4470ZHR-FZ	338	496	433	28.2	69



Tecumseh Hermetique HTA Series Condensing Units

Tecumseh HTA condensing units provide a robust energy efficient refrigeration solution designed to handle Australia's extreme ambient temperatures.

The L'Unite Hermetique compressor and HTA condenser combination ensure reliable refrigeration when you need it most. This is the HTA advantage.

Features:

- Quick and easy installation
- Tecumseh Europe L'Unite Hermetique compressor
- Large HTA condenser
- Factory wired single phase fan motor/s
- Liquid Receiver
- Copper tails on Rotalock valves
- FH Model comes with HP/LP control, crank case heater & sight glass

HTA Series - Medium Temperature R404A

Product Code	Model Number	Compressor		Amb. Temp °C	Capacity: Watts								Conns. Suc. / Disch.	Nominal Current Comp + Fan FLA	Cond. Fans No. / Dia. mm	
		Nom HP	Motor Type		Evaporating Temp: °C											
					-25	-20	-15	-10	-5	0	5	10				
9507015	CAJT9480ZMHR	5/8	CSR	32	651	844	1052	1278	1523	1786	2206	2382	1/2"	4.48	1 x 300	
				43	561	731	916	1118	1339	1578	1964	2126				3/8"
				46	539	704	884	1081	1298	1533	1913	-				
9507016	CAJT9510ZMHR	1	CSR	32	736	960	1211	1484	1781	2098	2587	2786	5/8"	5.45	1 x 320	
				43	634	831	1054	1298	1566	1854	2303	2487				3/8"
				46	609	801	1017	1256	1518	1801	2243	-				
9507017	CAJT9513ZMHR-2	1 1/8	CSR	32	961	1265	1592	1947	2336	2762	3456	3753	5/8"	6.83	1 x 350	
				43	828	1095	1386	1703	2054	2441	3076	3350				3/8"
				46	796	1055	1337	1648	1991	2371	2997	3267				
9507018	CAJT4517ZHR-2	1 1/4	CSR	32	-	-	1850	2251	2719	3229	3979	4259	5/8"	7.45	1 x 350	
				43	-	-	1610	1969	2391	2853	3542	3802				3/8"
				46	-	-	1554	1905	2317	2772	3451	-				
9507019	CAJT4519ZHR-2	1 1/2	CSR	32	-	-	2154	2856	3532	4202	5197	5606	5/8"	10.12	1 x 400	
				43	-	-	1875	2498	3105	3713	4626	5004				3/8"
				46	-	-	1809	2417	3010	3607	4507	4881				

Capacity Rating Basis: -5°C evaporating, 32°C ambient, 11K return gas superheat. Temperature of refrigerant at condenser outlet is subcooled within the condensing limits of the unit.

HTA Series - Low Temperature R404A

Product Code	Model Number	Compressor		Amb. Temp °C	Capacity: Watts						Conns. Suc. / Disch.	Nominal Current Comp + Fan FLA	Cond. Fans No. / Dia. mm		
		Nom HP	Motor Type		Evaporating Temp: °C										
					-40	-35	-30	-23.3	-20	-15				-10	
9507013	CAJT2464ZBR-2	1 1/2	CSR	32	337	714	1094	1609	1825	2256	2650	5/8"	5.52	1 x 350	
				43	265	574	898	1357	1594	1966	2354				3/8"
				46	247	539	849	1294	1525	1892	2279				
9507014	FHT2480ZBR-2	2	CSR	32	872	1334	1800	2432	2746	3225	3709	5/8"	8.29	1 x 350	
				43	687	1073	1478	2051	2347	2811	3295				3/8"
				46	640	1007	1397	1955	2245	2705	3189				

Capacity Rating Basis: -23.3°C evaporating, 32°C ambient, return gas at ambient. Temperature of refrigerant at condenser outlet is subcooled within the condensing limits of the unit.

Condensing Unit Physical Data

Product Code	Model Number	Overall Dimensions: mm			Weight kg	Sound Power Level dBA	Liquid Receiver Capacity L
		Height	Depth	Width			
HTA Series Medium Temperature							
9507015	CAJT9480ZMHR	340	485	430	41	66	2.35
9507016	CAJT9510ZMHR	395	610	510	43	69	2.35
9507017	CAJT9513ZMHR-2	445	630	510	45	74	2.35
9507018	CAJT4517ZHR-2	445	630	510	51	75	2.35
9507019	CAJT4519ZHR-2	558	600	600	72	78	6.0
HTA Series Low Temperature							
9507013	CAJT2464ZBR-2	445	610	510	43.3	71	2.35
9507014	FHT2480ZBR-2	445	630	510	59	76	3.9

Reciprocating Compressors



Tecumseh Hermetique AE² Series Compressors

The new AE² compressor series offers a wider capacity range from a single platform and new valve plate designs provide coefficient of performance improvements of up to 17%. The internal mounting springs have been redesigned to minimize sound levels.

Features

- New valve plate design improves COP by up to 17%
- Wider capacity range for individual models
- Reduced energy consumption
- Redesigned internal mounting springs minimize sound levels
- Motor: 220-240V 50Hz, Single Phase, Capacitor Start, Induction Run (CSIR)*
- Copper tube connections

*AE4470Z-FZ3C is CSR Capacitor Start & Run

AE ² Series - Medium Temperature R404A														
Product Code	Model Number	Nom HP	Disp. cm ³ /rev	Cooling	Oil Charge mL	Capacity: Watts							Conns. Suction / Discharge	Nominal Current FLA
						Saturated Suction Temp: °C								
						-15	-10	-5	0	5	10	15		
9507000	AE4450Z-FZ1A	3/8	8.85	Fan	280	510	642	791	959	1151	1369	1617	3/8" 1/4"	3.4
9507001	AE4460Z-FZ1C	1/2	10.33	Fan	280	636	784	952	1144	1363	1614	1900	3/8" 1/4"	4.3
9507002	AE4470Z-FZ3C	1/2	12.01	Fan	280	759	934	1129	1349	1598	1881	2203	3/8" 1/4"	3.7

Capacity Rating Basis: 32°C ambient temperature, 20°C return gas, 50°C condensing, 50°C liquid entering expansion valve.

Compressor Physical Data						
Product Code	Model Number	Overall Dimensions: mm			Weight kg	Sound Power Level dBA
		Height	Depth	Width		
9507000	AE4450Z-FZ1A	227	160.5	252	10.8	64
9507001	AE4460Z-FZ1C	227	160.5	252	11.6	64
9507002	AE4470Z-FZ3C	227	160.5	252	12.4	64



Tecumseh Hermetique R404A Compressors

The world renowned L'Unite Hermetique compressors are manufactured by Tecumseh.

Features:

- Charged with polyester oil and dry nitrogen
- Crankcase heater & oil sight glass on FH models
- Anti-vibration mounts supplied
- Motor: 220-240V 50Hz, Single Phase, Capacitor Start & Run (CSR)

*All models suitable for operation with R507

Single Phase - Medium Temperature R404A

Product Code	Model Number	Nom HP	Disp. cm ³ /rev	Cooling	Oil Charge mL	Capacity: Watts							Conns. Suction / Discharge	Nominal Current FLA
						Saturated Suction Temp: °C								
						-20	-15	-10	-5	0	7.2	15		
9507005	CAJ9480Z	5/8	15.2	Fan	887	571	774	1009	1284	1607	2172	2943	1/2" Valve 5/16" Tube	4.1
9507006	CAJ9510Z	1	18.3	Fan	887	732	970	1252	1583	1972	2650	3563	5/8" Valve 5/16" Tube	5.2
9507007	CAJ9513Z	1 1/8	24.2	Fan	887	783	1114	1501	1955	2485	3406	4646	5/8" Valve 5/16" Tube	6.4
9507008	CAJ4517Z	1 1/4	25.95	Fan	887	-	1364	1776	2273	2857	3860	5173	5/8" Valve 3/8" Tube	7.1
9507009	CAJ4519Z	1 1/2	34.45	Fan	887	-	1769	2353	3009	3756	5030	6735	5/8" Valve 1/2" Tube	9.9

Capacity Rating Basis: 35°C ambient, 11K return gas superheat, 54.5°C condensing, 46°C liquid entering expansion valve.

Single Phase - Low Temperature R404A

Product Code	Model Number	Nom HP	Disp. cm ³ /rev	Cooling	Oil Charge mL	Capacity: Watts						Conns. Suction / Discharge	Nominal Current FLA
						Saturated Suction Temp: °C							
						-35	-30	-23.3	-20	-15	-10		
9507003	CAJ2464Z	1 1/2	34.45	Fan	887	741	1084	1608	1902	2407	2995	5/8" Valve 3/8" Tube	5.5
9507004	FH2480Z	2	53.2	Fan	1625	738	1319	2183	2662	3476	4419	5/8" Valve 3/8" Tube	7.7

Capacity Rating Basis: 32°C ambient temperature, 32°C evaporator outlet, 54.5°C condensing, 32°C liquid entering expansion valve.

Compressor Physical Data

Product Code	Model Number	Overall Dimensions: mm			Weight kg	Sound Power Level dBA
		Height	Depth	Width		
Single Phase Medium Temperature						
9507005	CAJ9480Z	281	165	219	21.8	64
9507006	CAJ9510Z	292	165	219	23.1	65
9507007	CAJ9513Z	292	165	219	23.5	64
9507008	CAJ4517Z	292	165	219	23.8	68
9507009	CAJ4519Z	292	165	219	24	70
Single Phase Low Temperature						
9507003	CAJ2464Z	292	165	219	23.6	63
9507004	FH2480Z	388	200	246	37.5	71

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