



tecumseh

CAJ4517Z

220 - 240V 1~ 50 Hz

Compressor

AJ4517Z-FZ3C

HBP

R-404A / R-448A / R-449A / R-452A / R-22 / R-407C

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-452A	50HZ	3330	11355	64 dBA
R-404A	50HZ	3322	11326	
R-448A	50HZ	3333	11365	
R-449A	50HZ	3333	11365	
R-407C	50HZ	3160	10774	
R-22	50HZ	3340	11389	

(*) Operating conditions EN12900 : Dew / T°Cond. 122°F / T°Evap 41°F / T°Return gas temp. 68°F / T°Subcooling 0°F



*Non-contractual picture

Dimensions

Weight	22.1 kg (49 lb)
Length	246 mm (9.7 in)
Width	218 mm (8.6 in)
Height	280 mm (11 in)
Ø Suction Tube	5/8 in (15.9mm)
Ø Discharge Tube	3/8 in (9.52mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	26
Horse Power	1
Compressor Cooling	Fan
Evaporating Temp. Range	-15°C to 15°C (5°F to 59°F)
Expansion Device	Capil. Tube/Expans. Valve
Oil Type	P.O.E 32
Oil Charge (cc)	475

Electrical

Motor Type	CSR
Main Winding (Ohm)	1.7
Start Winding (Ohm)	6.8
Current RLA 50Hz (A)	7.3
Current MCC (A)	12.7
Current LRA (A)	38.5
Start Capacitor	100-115 µF / 330 V
Run Capacitor	17.5 µF / 400 V
Overload	MST00AGZ-3290
- Time Check	2.8s - 5.2s / 35.5 A
- Open Temp / Close Temp	120 °C / 61 °C
Potential Relay	RVA 4AP3D
- Pick Up / Drop Out	300-328 V / 60-121 V

Note : Tecumseh reserves the right to change information contained in this document without notification.



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Conditions DEW

Return gas temp. : 68 °F
Subcooling : 0 °F

50HZ R-452A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	3986	5373	7037	9026	11390	14179	17443	21231
	Power Input	(W)	708	801	885	966	1045	1125	1210	1304
	Amps	(A)	3.83	4.18	4.52	4.85	5.17	5.49	5.79	6.09
105	Refrig. Capacity	(Btu/h)		4486	5980	7735	9802	12231	15070	18370
	Power Input	(W)		833	942	1043	1141	1239	1338	1444
	Amps	(A)		4.38	4.83	5.28	5.72	6.16	6.58	7
120	Refrig. Capacity	(Btu/h)			4901	6420	8187	10252	12663	15472
	Power Input	(W)			978	1106	1228	1347	1466	1589
	Amps	(A)			4.99	5.56	6.12	6.68	7.22	7.76
140	Refrig. Capacity	(Btu/h)				4634	5996	7571	9408	11558
	Power Input	(W)				1161	1322	1478	1630	1783
	Amps	(A)				5.69	6.41	7.13	7.84	8.55

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50HZ R-404A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	4266	5671	7345	9336	11690	14452	17669	21389
	Power Input	(W)	752	846	931	1012	1090	1169	1253	1343
	Amps	(A)	4.07	4.42	4.76	5.09	5.4	5.7	5.99	6.27
105	Refrig. Capacity	(Btu/h)		4733	6226	7967	10004	12383	15150	18352
	Power Input	(W)		884	993	1095	1192	1287	1384	1486
	Amps	(A)		4.64	5.1	5.54	5.98	6.4	6.81	7.2
120	Refrig. Capacity	(Btu/h)		3779	5089	6580	8300	10294	12609	15291
	Power Input	(W)		899	1036	1163	1283	1400	1515	1633
	Amps	(A)		4.71	5.28	5.85	6.4	6.94	7.46	7.98
140	Refrig. Capacity	(Btu/h)			3560	4715	6009	7488	9198	11186
	Power Input	(W)			1059	1228	1386	1538	1685	1831
	Amps	(A)			5.29	6.01	6.72	7.42	8.1	8.78



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Conditions DEW

Return gas temp. : 68 °F
Subcooling : 0 °F

50HZ R-448A*

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	3487	4845	6480	8449	10806	13607	16907	20761
	Power Input	(W)	662	747	826	903	979	1057	1139	1226
	Amps	(A)	3.59	3.9	4.22	4.54	4.85	5.16	5.45	5.72
105	Refrig. Capacity	(Btu/h)		4063	5546	7305	9397	11876	14797	18217
	Power Input	(W)		783	884	980	1074	1168	1263	1362
	Amps	(A)		4.11	4.54	4.97	5.39	5.81	6.21	6.6
120	Refrig. Capacity	(Btu/h)			4604	6157	7986	10146	12692	15680
	Power Input	(W)			923	1046	1164	1280	1395	1512
	Amps	(A)			4.71	5.26	5.8	6.34	6.87	7.39
140	Refrig. Capacity	(Btu/h)				4651	6134	7873	9922	12338
	Power Input	(W)				1105	1265	1420	1572	1723
	Amps	(A)				5.41	6.13	6.85	7.56	8.26

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50HZ R-449A*

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	3487	4845	6480	8449	10806	13607	16907	20761
	Power Input	(W)	662	747	826	903	979	1057	1139	1226
	Amps	(A)	3.59	3.9	4.22	4.54	4.85	5.16	5.45	5.72
105	Refrig. Capacity	(Btu/h)		4063	5546	7305	9397	11876	14797	18217
	Power Input	(W)		783	884	980	1074	1168	1263	1362
	Amps	(A)		4.11	4.54	4.97	5.39	5.81	6.21	6.6
120	Refrig. Capacity	(Btu/h)			4604	6157	7986	10146	12692	15680
	Power Input	(W)			923	1046	1164	1280	1395	1512
	Amps	(A)			4.71	5.26	5.8	6.34	6.87	7.39
140	Refrig. Capacity	(Btu/h)				4651	6134	7873	9922	12338
	Power Input	(W)				1105	1265	1420	1572	1723
	Amps	(A)				5.41	6.13	6.85	7.56	8.26

* Due to very high discharge temperature especially on LBP conditions, please strictly refer to Tecumseh Guidelines & Marketing Bulletin when using this refrigerant.



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Conditions DEW

Return gas temp. : 68 °F
Subcooling : 0 °F

50HZ R-407C

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	3141	4373	5888	7742	9988	12682	15880	19635
	Power Input	(W)	617	703	781	853	922	992	1064	1141
	Amps	(A)	3.34	3.68	3.99	4.29	4.57	4.83	5.09	5.33
105	Refrig. Capacity	(Btu/h)		3680	5057	6720	8724	11125	13977	17335
	Power Input	(W)		729	830	924	1013	1101	1189	1281
	Amps	(A)		3.83	4.26	4.68	5.08	5.47	5.85	6.21
120	Refrig. Capacity	(Btu/h)		2968	4208	5682	7447	9556	12064	15027
	Power Input	(W)		728	859	979	1094	1204	1314	1425
	Amps	(A)		3.82	4.38	4.93	5.45	5.97	6.47	6.96
140	Refrig. Capacity	(Btu/h)			3100	4326	5774	7497	9550	11990
	Power Input	(W)			859	1023	1179	1327	1473	1618
	Amps	(A)			4.29	5.01	5.71	6.41	7.09	7.75

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50HZ R-22

Condensing	Evaporating	(°F)	-5	5	15	25	35	45	55
105	Refrig. Capacity	(Btu/h)	4296	5660	7301	9264	11591	14329	17520
	Power Input	(W)	817	913	1001	1086	1171	1258	1351
	Amps	(A)	4.29	4.69	5.07	5.45	5.82	6.19	6.55
120	Refrig. Capacity	(Btu/h)	3656	4885	6352	8102	10178	12625	15486
	Power Input	(W)	839	961	1074	1181	1286	1392	1502
	Amps	(A)	4.4	4.9	5.4	5.89	6.38	6.86	7.34
140	Refrig. Capacity	(Btu/h)		3879	5118	6587	8332	10394	12820
	Power Input	(W)		1000	1152	1296	1435	1573	1712
	Amps	(A)		4.99	5.64	6.28	6.92	7.56	8.2