



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. 50°C / T°Evap 5°C / T°Return gas temp. 20°C / T°Subcooling 0K



*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. : 20 °C
Subcooling : 0 K

50HZ R-452A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	1306	1690	2145	2681	3310	4041	4885	5853	6955
	Power Input (W)	719	796	867	935	1002	1071	1143	1221	1307
	Amps (A)	3.85	4.14	4.42	4.68	4.95	5.2	5.45	5.69	5.92
40	Refrig. Capacity (Watt)		1374	1774	2238	2775	3397	4114	4937	5876
	Power Input (W)		843	939	1029	1116	1202	1290	1381	1478
	Amps (A)		4.41	4.82	5.22	5.61	5.99	6.37	6.74	7.1
50	Refrig. Capacity (Watt)			1395	1784	2230	2741	3330	4006	4780
	Power Input (W)			982	1100	1214	1324	1434	1545	1660
	Amps (A)			5	5.53	6.05	6.56	7.07	7.58	8.08
60	Refrig. Capacity (Watt)				1322	1674	2074	2533	3062	3670
	Power Input (W)				1145	1291	1432	1569	1707	1845
	Amps (A)				5.61	6.27	6.92	7.56	8.2	8.83

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50HZ R-404A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	1393	1782	2241	2779	3406	4133	4968	5923	7007
	Power Input (W)	762	840	912	980	1047	1114	1185	1261	1344
	Amps (A)	4.08	4.37	4.64	4.91	5.16	5.41	5.65	5.87	6.09
40	Refrig. Capacity (Watt)	1098	1448	1848	2308	2839	3449	4150	4950	5860
	Power Input (W)	789	893	990	1080	1166	1251	1336	1425	1518
	Amps (A)	4.26	4.68	5.08	5.48	5.86	6.23	6.6	6.95	7.3
50	Refrig. Capacity (Watt)		1107	1448	1830	2263	2757	3322	3967	4703
	Power Input (W)		914	1040	1158	1270	1378	1485	1592	1702
	Amps (A)		4.77	5.3	5.82	6.33	6.83	7.33	7.81	8.28
60	Refrig. Capacity (Watt)			1044	1347	1682	2059	2488	2978	3539
	Power Input (W)			1059	1211	1355	1493	1626	1758	1890
	Amps (A)			5.29	5.94	6.58	7.21	7.83	8.44	9.04



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Performances are given at rating conditions EN12900
Conditions DEW

Return gas temp. : 20 °C
Subcooling : 0 K

50HZ R-448A*

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	1150	1526	1973	2502	3126	3856	4704	5683	6803
	Power Input (W)	671	741	808	874	939	1006	1075	1149	1229
	Amps (A)	3.59	3.85	4.12	4.38	4.63	4.88	5.12	5.35	5.57
40	Refrig. Capacity (Watt)		1247	1645	2109	2651	3283	4018	4867	5841
	Power Input (W)		791	881	966	1050	1133	1217	1303	1393
	Amps (A)		4.14	4.52	4.9	5.27	5.64	6.01	6.36	6.7
50	Refrig. Capacity (Watt)			1313	1713	2175	2711	3333	4053	4882
	Power Input (W)			927	1041	1151	1259	1365	1472	1581
	Amps (A)			4.72	5.23	5.74	6.24	6.73	7.22	7.69
60	Refrig. Capacity (Watt)				1324	1706	2147	2657	3250	3935
	Power Input (W)				1089	1234	1374	1511	1647	1783
	Amps (A)				5.34	5.99	6.64	7.28	7.91	8.53

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50HZ R-449A*

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	1150	1526	1973	2502	3126	3856	4704	5683	6803
	Power Input (W)	671	741	808	874	939	1006	1075	1149	1229
	Amps (A)	3.59	3.85	4.12	4.38	4.63	4.88	5.12	5.35	5.57
40	Refrig. Capacity (Watt)		1247	1645	2109	2651	3283	4018	4867	5841
	Power Input (W)		791	881	966	1050	1133	1217	1303	1393
	Amps (A)		4.14	4.52	4.9	5.27	5.64	6.01	6.36	6.7
50	Refrig. Capacity (Watt)			1313	1713	2175	2711	3333	4053	4882
	Power Input (W)			927	1041	1151	1259	1365	1472	1581
	Amps (A)			4.72	5.23	5.74	6.24	6.73	7.22	7.69
60	Refrig. Capacity (Watt)				1324	1706	2147	2657	3250	3935
	Power Input (W)				1089	1234	1374	1511	1647	1783
	Amps (A)				5.34	5.99	6.64	7.28	7.91	8.53

* 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. : 20 °C
Subcooling : 0 K

50HZ R-407C

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	1034	1376	1790	2287	2880	3580	4399	5348	6440
	Power Input (W)	629	700	765	826	884	942	1002	1067	1137
	Amps (A)	3.37	3.64	3.89	4.13	4.36	4.57	4.78	4.97	5.15
40	Refrig. Capacity (Watt)		1130	1499	1937	2456	3067	3782	4613	5571
	Power Input (W)		738	828	911	990	1068	1146	1226	1310
	Amps (A)		3.86	4.25	4.62	4.98	5.32	5.65	5.98	6.3
50	Refrig. Capacity (Watt)		876	1201	1580	2025	2548	3160	3873	4699
	Power Input (W)		740	861	973	1080	1183	1285	1387	1491
	Amps (A)		3.87	4.39	4.89	5.38	5.87	6.34	6.8	7.26
60	Refrig. Capacity (Watt)			909	1230	1602	2037	2547	3143	3837
	Power Input (W)			859	1008	1148	1283	1415	1545	1676
	Amps (A)			4.29	4.94	5.58	6.2	6.81	7.42	8.02

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50HZ R-22

Condensing	Evaporating (°C)	-20	-15	-10	-5	0	5	10	15
40	Refrig. Capacity (Watt)	1309	1675	2107	2615	3209	3897	4689	5595
	Power Input (W)	825	909	988	1063	1138	1214	1294	1380
	Amps (A)	4.32	4.67	5.01	5.34	5.67	5.99	6.31	6.63
50	Refrig. Capacity (Watt)	1080	1403	1780	2223	2739	3340	4033	4829
	Power Input (W)	854	966	1071	1172	1269	1366	1466	1569
	Amps (A)	4.45	4.92	5.38	5.84	6.29	6.74	7.19	7.64
60	Refrig. Capacity (Watt)		1138	1462	1840	2281	2794	3390	4077
	Power Input (W)		1000	1137	1267	1394	1518	1642	1769
	Amps (A)		4.99	5.58	6.16	6.73	7.31	7.88	8.46