



tecumseh

CAJ9480Z

220 - 240V 1~ 50 Hz

Compressor

AJK480Z-FZ3B

M-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	1127	3843	61 dBA
R-404A	50HZ	1159	3952	
R-448A	50HZ	1070	3648	
R-449A	50HZ	1070	3648	
R-407C	50HZ	985	3358	
R-22	50HZ	1062	3623	

(*) Operating conditions EN12900 : Dew / T°Cond. 45°C / T°Evap -10°C / T°Return gas temp. 20°C / T°Subcooling 0K



*Non-contractual picture

Dimensions

Weight	20 kg (44 lb)
Length	246 mm (9.7 in)
Width	218 mm (8.6 in)
Height	268 mm (10.6 in)
Ø Suction Tube	1/2 in (12.7mm)
Ø Discharge Tube	5/16 in (7.93mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	15.2
Horse Power	1
Compressor Cooling	Fan
Evaporating Temp. Range	-23.3°C to 12.8°C (-10°F to 55°F)
Expansion Device	Capil. Tube/Expans. Valve
Oil Type	P.O.E 32cSt@40°C
Oil Charge (cc)	475

Electrical

Motor Type	CSR
Main Winding (Ohm)	3.33
Start Winding (Ohm)	12.3
Current RLA 50Hz (A)	4.3
Current MCC (A)	6.8
Current LRA (A)	24.1
Start Capacitor	88-101 µF / 250 V
Run Capacitor	15 µF / 400 V
Overload	MST22ALK
- Time Check	7.5s - 14s / 15.3 A
- Open Temp / Close Temp	105 °C / 61 °C
Potential Relay	RVA 413D
- Pick Up / Drop Out	204-233 V / 50-110 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)	725	941	1200	1508	1870	2294	2785	3350	3996
	Power Input (W)	458	505	549	587	621	649	670	684	690
	Amps (A)	2.24	2.45	2.63	2.79	2.92	3.03	3.11	3.17	3.21
40	Refrig. Capacity (Watt)	570	765	991	1255	1562	1920	2335	2812	3359
	Power Input (W)	465	526	584	638	687	732	771	803	828
	Amps (A)	2.2	2.49	2.76	3	3.23	3.42	3.6	3.75	3.87
50	Refrig. Capacity (Watt)		584	778	998	1252	1545	1883	2273	2722
	Power Input (W)		533	606	677	743	806	864	916	961
	Amps (A)		2.48	2.83	3.17	3.48	3.77	4.03	4.27	4.48
60	Refrig. Capacity (Watt)			560	738	938	1166	1429	1733	2084
	Power Input (W)			614	702	788	870	947	1021	1088
	Amps (A)			2.85	3.27	3.67	4.05	4.41	4.74	5.05

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50HZ R-404A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	773	992	1254	1563	1925	2346	2833	3391	4025
	Power Input (W)	485	533	577	616	649	675	695	706	710
	Amps (A)	2.37	2.58	2.76	2.92	3.05	3.15	3.23	3.28	3.3
40	Refrig. Capacity (Watt)	609	805	1032	1294	1598	1950	2355	2820	3350
	Power Input (W)	496	558	616	669	718	762	798	828	850
	Amps (A)	2.34	2.64	2.91	3.15	3.37	3.56	3.73	3.86	3.98
50	Refrig. Capacity (Watt)		615	807	1024	1271	1554	1879	2251	2678
	Power Input (W)		569	642	712	778	839	894	943	986
	Amps (A)		2.64	3	3.33	3.64	3.92	4.17	4.4	4.6
60	Refrig. Capacity (Watt)			580	752	943	1158	1404	1686	2010
	Power Input (W)			656	743	827	907	982	1051	1114
	Amps (A)			3.04	3.46	3.86	4.22	4.57	4.88	5.17



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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)	638	850	1104	1407	1766	2189	2683	3253	3909
	Power Input (W)	427	470	511	549	582	609	630	644	649
	Amps (A)	2.09	2.28	2.45	2.6	2.74	2.85	2.93	2.99	3.02
40	Refrig. Capacity (Watt)	502	694	918	1182	1492	1856	2280	2772	3339
	Power Input (W)	438	494	548	599	647	690	727	757	780
	Amps (A)	2.07	2.34	2.59	2.82	3.03	3.23	3.39	3.53	3.65
50	Refrig. Capacity (Watt)		536	732	958	1221	1528	1885	2300	2780
	Power Input (W)		503	573	640	705	766	822	873	916
	Amps (A)		2.34	2.68	3	3.3	3.58	3.84	4.07	4.27
60	Refrig. Capacity (Watt)			549	739	956	1207	1499	1839	2235
	Power Input (W)			582	668	753	834	912	985	1052
	Amps (A)			2.7	3.11	3.51	3.89	4.24	4.57	4.88

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50HZ R-449A*

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	638	850	1104	1407	1766	2189	2683	3253	3909
	Power Input (W)	427	470	511	549	582	609	630	644	649
	Amps (A)	2.09	2.28	2.45	2.6	2.74	2.85	2.93	2.99	3.02
40	Refrig. Capacity (Watt)	502	694	918	1182	1492	1856	2280	2772	3339
	Power Input (W)	438	494	548	599	647	690	727	757	780
	Amps (A)	2.07	2.34	2.59	2.82	3.03	3.23	3.39	3.53	3.65
50	Refrig. Capacity (Watt)		536	732	958	1221	1528	1885	2300	2780
	Power Input (W)		503	573	640	705	766	822	873	916
	Amps (A)		2.34	2.68	3	3.3	3.58	3.84	4.07	4.27
60	Refrig. Capacity (Watt)			549	739	956	1207	1499	1839	2235
	Power Input (W)			582	668	753	834	912	985	1052
	Amps (A)			2.7	3.11	3.51	3.89	4.24	4.57	4.88

* 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)			1002	1286	1628	2033	2508	3062	3700
	Power Input (W)			484	518	548	571	588	598	600
	Amps (A)			2.32	2.46	2.57	2.66	2.73	2.77	2.79
40	Refrig. Capacity (Watt)				1086	1383	1734	2146	2628	3185
	Power Input (W)				565	610	650	684	712	734
	Amps (A)				2.66	2.86	3.04	3.19	3.32	3.43
50	Refrig. Capacity (Watt)					1137	1436	1787	2198	2676
	Power Input (W)					662	720	774	822	864
	Amps (A)					3.1	3.37	3.61	3.83	4.03
60	Refrig. Capacity (Watt)						1146	1437	1779	2179
	Power Input (W)						780	854	924	988
	Amps (A)						3.63	3.97	4.29	4.58

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50HZ R-22

Condensing	Evaporating (°C)	-20	-15	-10	-5	0	5	10	15
40	Refrig. Capacity (Watt)	711	913	1154	1440	1779	2179	2646	3188
	Power Input (W)	497	547	592	633	668	698	724	745
	Amps (A)	2.44	2.66	2.87	3.05	3.21	3.35	3.46	3.55
50	Refrig. Capacity (Watt)	582	762	971	1218	1510	1854	2257	2727
	Power Input (W)	509	576	637	694	745	791	832	868
	Amps (A)	2.47	2.77	3.06	3.31	3.55	3.76	3.95	4.12
60	Refrig. Capacity (Watt)		610	791	1001	1248	1539	1881	2281
	Power Input (W)		588	669	744	814	879	938	992
	Amps (A)		2.85	3.21	3.55	3.86	4.14	4.41	4.65