



tecumseh

CAJ2446Z

220 - 240V 1~ 50 Hz

Compressor

AJ2446Z-FZ3B

LBP

R-452A / R-404A

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-452A	50HZ	577	1967	57 dBA
R-404A	50HZ	627	2137	
R-448A	50HZ	487	1662	
R-449A	50HZ	487	1662	

(*) Operating conditions EN12900 : Dew / T°Cond. 40°C / T°Evap -35°C / T°Return gas temp. 20°C / T°Subcooling 0K



*Non-contractual picture

Dimensions

Weight	21.7 kg (48 lb)
Length	246 mm (9.7 in)
Width	218 mm (8.6 in)
Height	280 mm (11 in)
Ø Suction Tube	1/2 in (12.7mm)
Ø Discharge Tube	5/16 in (7.93mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	26.2
Horse Power	3/4
Compressor Cooling	Fan
Evaporating Temp. Range	-40°C to -12.2°C (-40°F to 10°F)
Expansion Device	Capil. Tube/Expans. Valve
Oil Type	P.O.E 32
Oil Charge (cc)	475

Electrical

Motor Type	CSR
Main Winding (Ohm)	2.94
Start Winding (Ohm)	8.83
Current RLA 50Hz (A)	4
Current MCC (A)	8.2
Current LRA (A)	29.5
Start Capacitor	88-101 µF / 330 V
Run Capacitor	15 µF / 400 V
Overload	MST18AIN-3291
- Time Check	7.5s - 14s / 20.7 A
- Open Temp / Close Temp	120 °C / 69 °C
Potential Relay	RVA 4O3D
- Pick Up / Drop Out	280-310 V / 60-121 V

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



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Performances are given at rating conditions EN12900
Conditions DEW

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

50HZ R-452A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	522	734	990	1296	1657	2079	2568
	Power Input (W)	481	561	641	721	803	886	971
	Amps (A)	2.27	2.57	2.89	3.25	3.64	4.07	4.54
40	Refrig. Capacity (Watt)	389	577	801	1067	1382	1751	2180
	Power Input (W)	460	557	656	755	857	962	1070
	Amps (A)	2.18	2.56	2.97	3.41	3.88	4.38	4.92
50	Refrig. Capacity (Watt)			607	830	1094	1406	1770
	Power Input (W)			652	771	894	1020	1151
	Amps (A)			3.02	3.53	4.08	4.66	5.27
60	Refrig. Capacity (Watt)				598	807	1056	1352
	Power Input (W)				772	915	1063	1216
	Amps (A)				3.63	4.25	4.9	5.58

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50HZ R-404A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	572	798	1067	1385	1756	2184	2674
	Power Input (W)	516	602	688	772	856	939	1022
	Amps (A)	2.44	2.76	3.1	3.48	3.89	4.32	4.78
40	Refrig. Capacity (Watt)	429	627	859	1133	1451	1819	2241
	Power Input (W)	501	604	707	810	915	1020	1128
	Amps (A)	2.38	2.77	3.2	3.65	4.13	4.64	5.18
50	Refrig. Capacity (Watt)		457	651	878	1141	1447	1799
	Power Input (W)		587	708	831	956	1085	1217
	Amps (A)		2.77	3.28	3.81	4.36	4.95	5.56
60	Refrig. Capacity (Watt)			449	626	834	1075	1354
	Power Input (W)			694	837	984	1135	1292
	Amps (A)			3.33	3.94	4.58	5.24	5.93



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CAJ2446Z

220 - 240V 1~ 50 Hz

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Conditions DEW

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

50HZ R-448A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	417	622	874	1180	1544	1972	2471
	Power Input (W)	440	520	600	680	759	840	921
	Amps (A)	2.08	2.38	2.71	3.06	3.45	3.86	4.31
40	Refrig. Capacity (Watt)		487	707	972	1291	1667	2106
	Power Input (W)		524	620	716	813	912	1013
	Amps (A)		2.41	2.8	3.23	3.67	4.15	4.65
50	Refrig. Capacity (Watt)			545	771	1043	1366	1747
	Power Input (W)			622	737	854	973	1095
	Amps (A)			2.88	3.38	3.9	4.44	5.01
60	Refrig. Capacity (Watt)				588	814	1084	1406
	Power Input (W)				742	880	1022	1166
	Amps (A)				3.49	4.09	4.71	5.36

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	Power Input (W)	440	520	600	680	759	840	921
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* Due to very high discharge temperature especially on LBP conditions, please strictly refer to Tecumseh Guidelines & Marketing Bulletin when using this refrigerant.