



tecumseh

CAJ2432Z

220 - 240V 1~ 50 Hz

Compressor

AJ2432Z-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	350	1195	56 dBA
R-404A	50HZ	381	1298	
R-448A	50HZ	304	1036	
R-449A	50HZ	304	1036	

(*) 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	19.8 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)	18.3
Horse Power	1/2
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)	4.5
Start Winding (Ohm)	9.8
Current RLA 50Hz (A)	2.4
Current MCC (A)	5.9
Current LRA (A)	20.8
Start Capacitor	88-101 µF / 330 V
Run Capacitor	15 µF / 400 V
Overload	MRA38111-3291
- Time Check	7.5s - 14s / 15.4 A
- Open Temp / Close Temp	105 °C / 52 °C
Potential Relay	RVA 4P3D
- 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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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)	312	457	637	858	1124	1441	1812
	Power Input (W)	336	390	444	500	560	623	693
	Amps (A)	1.52	1.74	1.98	2.24	2.53	2.83	3.16
40	Refrig. Capacity (Watt)	226	350	505	695	925	1200	1524
	Power Input (W)	319	384	452	522	596	675	760
	Amps (A)	1.45	1.73	2.02	2.34	2.67	3.03	3.4
50	Refrig. Capacity (Watt)			371	527	718	948	1223
	Power Input (W)			440	523	611	704	804
	Amps (A)			1.99	2.36	2.74	3.14	3.57
60	Refrig. Capacity (Watt)				364	513	696	917
	Power Input (W)				505	605	711	825
	Amps (A)				2.3	2.74	3.19	3.65

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50HZ R-404A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	342	496	687	917	1192	1514	1887
	Power Input (W)	360	418	476	536	597	661	729
	Amps (A)	1.63	1.87	2.13	2.4	2.69	3	3.32
40	Refrig. Capacity (Watt)	249	381	542	738	971	1247	1567
	Power Input (W)	347	417	487	560	636	716	801
	Amps (A)	1.58	1.87	2.18	2.51	2.85	3.21	3.58
50	Refrig. Capacity (Watt)		266	398	557	749	976	1243
	Power Input (W)		396	478	563	653	748	850
	Amps (A)		1.8	2.16	2.54	2.93	3.34	3.77
60	Refrig. Capacity (Watt)			259	382	530	708	919
	Power Input (W)			450	548	651	760	877
	Amps (A)			2.07	2.5	2.94	3.4	3.88



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CAJ2432Z

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)	257	394	571	790	1056	1376	1752
	Power Input (W)	290	344	398	454	512	573	639
	Amps (A)	1.39	1.62	1.86	2.11	2.39	2.68	3
40	Refrig. Capacity (Watt)		304	454	642	873	1151	1482
	Power Input (W)		344	410	477	547	622	701
	Amps (A)		1.62	1.91	2.22	2.53	2.87	3.22
50	Refrig. Capacity (Watt)			341	499	694	932	1217
	Power Input (W)			402	482	565	653	746
	Amps (A)			1.9	2.25	2.62	3	3.39
60	Refrig. Capacity (Watt)				368	527	725	964
	Power Input (W)				468	565	666	774
	Amps (A)				2.21	2.63	3.06	3.5

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50HZ R-449A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	257	394	571	790	1056	1376	1752
	Power Input (W)	290	344	398	454	512	573	639
	Amps (A)	1.39	1.62	1.86	2.11	2.39	2.68	3
40	Refrig. Capacity (Watt)		304	454	642	873	1151	1482
	Power Input (W)		344	410	477	547	622	701
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	Power Input (W)				468	565	666	774
	Amps (A)				2.21	2.63	3.06	3.5

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