



tecumseh

AJ2432P

220 - 240V 1~ 50 Hz

Compressor

AJ2432P-FZ3A

LBP

R-404A / R-452A / R-454C / R-455A

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	391	1332	
R-448A	50HZ	304	1037	
R-449A	50HZ	304	1037	
R-454C	50HZ	296	1009	
R-455A	50HZ	312	1062	

(*) 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	3/4
Compressor Cooling	Fan
Evaporating Temp. Range	-40°C to -10°C (-40°F to 14°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)	2.5
Current MCC (A)	5.7
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

Pressure Equipment Directive

Max. Ambient Temp. (°C)	+46
Max. Allowable Press. (bar)	21.5
Ambient Temp. Range (°C)	-35/+150
Leak Test pressure (bar)	23.7
Free Volume (l)	4.7

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)	352	506	697	927	1202	1524	1897
	Power Input (W)	340	398	456	516	577	641	709
	Amps (A)	1.63	1.87	2.13	2.4	2.69	3	3.32
40	Refrig. Capacity (Watt)	259	391	552	748	981	1257	1577
	Power Input (W)	327	397	467	540	616	696	781
	Amps (A)	1.58	1.87	2.18	2.51	2.85	3.21	3.58
50	Refrig. Capacity (Watt)		276	408	567	759	986	1253
	Power Input (W)		376	458	543	633	728	830
	Amps (A)		1.8	2.16	2.54	2.93	3.34	3.77
60	Refrig. Capacity (Watt)			269	392	540	718	929
	Power Input (W)			430	528	631	740	857
	Amps (A)			2.07	2.5	2.94	3.4	3.88



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50HZ R-448A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	257	395	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)		1.63	1.91	2.22	2.53	2.87	3.22
50	Refrig. Capacity (Watt)			341	498	694	931	1217
	Power Input (W)			402	482	565	653	746
	Amps (A)			1.9	2.25	2.62	3	3.39
60	Refrig. Capacity (Watt)				367	527	725	964
	Power Input (W)				468	564	666	774
	Amps (A)				2.22	2.63	3.06	3.51

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50HZ R-449A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	257	395	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)		1.63	1.91	2.22	2.53	2.87	3.22
50	Refrig. Capacity (Watt)			341	498	694	931	1217
	Power Input (W)			402	482	565	653	746
	Amps (A)			1.9	2.25	2.62	3	3.39
60	Refrig. Capacity (Watt)				367	527	725	964
	Power Input (W)				468	564	666	774
	Amps (A)				2.22	2.63	3.06	3.51

* 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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50HZ R-454C



Condensing	Evaporating	(°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity	(Watt)	265	388	541	725	945	1205	1508
	Power Input	(W)	281	327	372	417	463	510	558
	Amps	(A)	1.35	1.52	1.71	1.91	2.13	2.36	2.6
40	Refrig. Capacity	(Watt)		296	431	594	788	1019	1289
	Power Input	(W)		317	372	429	488	550	616
	Amps	(A)		1.49	1.73	1.98	2.25	2.53	2.83
50	Refrig. Capacity	(Watt)			317	457	626	825	1060
	Power Input	(W)			355	422	494	570	651
	Amps	(A)			1.66	1.96	2.28	2.62	2.97
60	Refrig. Capacity	(Watt)				321	461	629	827
	Power Input	(W)				399	481	569	665
	Amps	(A)				1.86	2.23	2.62	3.02

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50HZ R-455A



Condensing	Evaporating	(°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity	(Watt)	278	408	571	771	1012	1300	1638
	Power Input	(W)	288	337	386	436	486	536	587
	Amps	(A)	1.35	1.55	1.79	2.04	2.28	2.51	2.69
40	Refrig. Capacity	(Watt)		312	455	630	842	1096	1396
	Power Input	(W)		323	382	444	510	578	649
	Amps	(A)		1.5	1.76	2.06	2.36	2.67	2.95
50	Refrig. Capacity	(Watt)			335	484	666	884	1144
	Power Input	(W)			363	435	513	597	687
	Amps	(A)			1.68	2.02	2.38	2.77	3.15
60	Refrig. Capacity	(Watt)				339	488	670	889
	Power Input	(W)				411	500	597	703
	Amps	(A)				1.9	2.32	2.78	3.26