



tecumseh

AJ4511N

220 - 240V 1~ 50 Hz

Compressor

AJ4511N-FZ3B

HBP

R-134a / R-1234yf / R-513A

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-1234yf	50HZ	2529	8623	61 dBA
R-134a	50HZ	2714	9253	
R-513A	50HZ	2747	9368	

(*) 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	21 kg (46 lb)
Length	246 mm (9.7 in)
Width	178 mm (7 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)	32.7
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)	2.9
Start Winding (Ohm)	8.8
Current RLA 50Hz (A)	5.7
Current MCC (A)	8.4
Current LRA (A)	29.5
Start Capacitor	88-101 µF / 330 V
Run Capacitor	15 µF / 400 V
Overload	MRA38088
- Time Check	2.8s - 5.2s / 27.5 A
- Open Temp / Close Temp	105 °C / 57 °C
Potential Relay	RVA 6M3D
- Pick Up / Drop Out	/ 60-135 V

Pressure Equipment Directive

Max. Ambient Temp. (°C)	+46
Max. Allowable Press. (bar)	11.5
Ambient Temp. Range (°C)	-35/+150
Leak Test pressure (bar)	12.7
Free Volume (l)	4.7

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



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AJ4511N

220 - 240V 1~ 50 Hz

Performances are given at rating conditions EN12900
Conditions DEW

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

50HZ R-1234yf



Condensing	Evaporating	(°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity	(Watt)	893	1183	1528	1932	2401	2940	3553	4246	5023
	Power Input	(W)	526	595	660	721	775	820	853	874	879
	Amps	(A)	2.73	3	3.26	3.49	3.71	3.91	4.09	4.25	4.39
40	Refrig. Capacity	(Watt)		974	1281	1635	2041	2504	3028	3618	4281
	Power Input	(W)		612	696	779	858	932	998	1054	1098
	Amps	(A)		2.95	3.34	3.71	4.07	4.4	4.71	5.01	5.28
50	Refrig. Capacity	(Watt)			1030	1341	1692	2086	2529	3025	3581
	Power Input	(W)			708	812	915	1015	1111	1201	1282
	Amps	(A)			3.32	3.83	4.32	4.79	5.24	5.67	6.08
60	Refrig. Capacity	(Watt)				1037	1340	1674	2044	2454	2911
	Power Input	(W)				822	947	1073	1198	1319	1436
	Amps	(A)				3.85	4.47	5.07	5.66	6.22	6.77

50HZ R-134a



Condensing	Evaporating	(°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity	(Watt)	815	1116	1474	1899	2399	2985	3665	4448	5343
	Power Input	(W)	491	565	632	696	759	826	901	987	1087
	Amps	(A)	2.33	2.64	2.94	3.24	3.53	3.83	4.13	4.42	4.71
40	Refrig. Capacity	(Watt)		924	1252	1634	2079	2597	3196	3885	4674
	Power Input	(W)		575	664	746	825	904	986	1076	1177
	Amps	(A)		2.64	3.03	3.42	3.81	4.2	4.58	4.97	5.35
50	Refrig. Capacity	(Watt)			1014	1354	1744	2195	2714	3310	3994
	Power Input	(W)			672	781	883	982	1081	1184	1294
	Amps	(A)			3.06	3.54	4.02	4.5	4.97	5.45	5.92
60	Refrig. Capacity	(Watt)				1063	1400	1784	2223	2729	3308
	Power Input	(W)				794	928	1055	1178	1302	1430
	Amps	(A)				3.6	4.17	4.74	5.3	5.87	6.43

Performances are given at rating conditions EN12900
Conditions DEW

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

50HZ R-513A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	955	1270	1639	2070	2572	3155	3826	4596	5472
	Power Input (W)	542	619	689	754	819	889	968	1060	1169
	Amps (A)	2.33	2.64	2.94	3.24	3.53	3.83	4.13	4.42	4.71
40	Refrig. Capacity (Watt)	746	1042	1377	1761	2201	2706	3286	3949	4704
	Power Input (W)	514	620	714	800	882	964	1052	1148	1257
	Amps (A)	2.25	2.64	3.03	3.42	3.81	4.2	4.58	4.97	5.35
50	Refrig. Capacity (Watt)		793	1100	1440	1822	2254	2747	3309	3947
	Power Input (W)		585	713	830	938	1043	1148	1259	1379
	Amps (A)		2.58	3.06	3.54	4.02	4.5	4.97	5.45	5.92
60	Refrig. Capacity (Watt)			806	1107	1435	1800	2210	2674	3201
	Power Input (W)			679	836	980	1117	1251	1385	1525
	Amps (A)			3.03	3.6	4.17	4.74	5.3	5.87	6.43

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