



tecumseh

AJ4492N

220 - 240V 1~ 50 Hz

Compressor

AJ4492N-FZ1B

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	1141	3892	57 dBA
R-134a	50HZ	1155	3938	
R-513A	50HZ	1194	4072	

(*) Operating conditions ARI 520-90 : Dew / T°Cond. 120°F / T°Evap 20°F / T°Evaporating 20°F / T°Superheat 32°F



*Non-contractual picture

Dimensions

Weight	20.2 kg (45 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
Horse Power	3/4
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	CSIR
Main Winding (Ohm)	2.9
Start Winding (Ohm)	12.8
Current RLA 50Hz (A)	5.9
Current MCC (A)	8.5
Current LRA (A)	28
Start Capacitor	64-74 µF / 330 V
Overload	MST18AIN-3291
- Time Check	7.5s - 14s / 20.7 A
- Open Temp / Close Temp	120 °C / 69 °C
Potential Relay	RVA 4G3D
- Pick Up / Drop Out	180-195 V / 40-105 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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AJ4492N

220 - 240V 1~ 50 Hz

Performances are given at rating conditions ARI 520-90
Conditions DEW

Evaporating : 20 °F
Superheat : 32 °F

50HZ R-1234yf

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)		2487	3502	4719	6181	7934	10029	12519
	Power Input	(W)		523	590	648	700	752	808	873
	Amps	(A)		4.17	4.39	4.58	4.76	4.93	5.08	5.21
105	Refrig. Capacity	(Btu/h)		1982	2921	4035	5367	6963	8873	11153
	Power Input	(W)		522	614	692	761	826	891	961
	Amps	(A)		4.12	4.42	4.71	4.98	5.24	5.48	5.7
120	Refrig. Capacity	(Btu/h)			2326	3325	4513	5938	7650	9706
	Power Input	(W)			617	722	813	897	977	1058
	Amps	(A)			4.42	4.8	5.16	5.5	5.84	6.15
140	Refrig. Capacity	(Btu/h)				2390	3368	4543	5968	7702
	Power Input	(W)				729	861	979	1088	1194
	Amps	(A)				4.84	5.32	5.79	6.24	6.67

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50HZ R-134a

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)		2372	3385	4652	6224	8155	10502	13324
	Power Input	(W)		475	544	606	663	715	765	814
	Amps	(A)		4.38	4.49	4.62	4.79	4.97	5.18	5.42
105	Refrig. Capacity	(Btu/h)		1923	2855	4002	5413	7142	9246	11784
	Power Input	(W)		473	562	644	718	788	854	918
	Amps	(A)		4.35	4.53	4.74	4.97	5.22	5.5	5.8
120	Refrig. Capacity	(Btu/h)			2299	3338	4601	6141	8015	10284
	Power Input	(W)			561	666	763	853	939	1021
	Amps	(A)			4.55	4.83	5.12	5.45	5.79	6.17
140	Refrig. Capacity	(Btu/h)				2416	3500	4808	6395	8325
	Power Input	(W)				666	798	922	1041	1154
	Amps	(A)				4.91	5.3	5.71	6.15	6.62

Performances are given at rating conditions ARI 520-90
Conditions DEW

Evaporating : 20 °F
Superheat : 32 °F

50HZ R-513A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	1789	2635	3678	4967	6555	8498	10857	13695
	Power Input	(W)	438	519	591	655	713	767	820	872
	Amps	(A)	4.29	4.38	4.49	4.62	4.79	4.97	5.18	5.42
105	Refrig. Capacity	(Btu/h)	1305	2109	3067	4224	5632	7347	9429	11942
	Power Input	(W)	405	510	604	689	767	841	911	979
	Amps	(A)	4.2	4.35	4.53	4.74	4.97	5.22	5.5	5.8
120	Refrig. Capacity	(Btu/h)		1540	2429	3475	4726	6236	8064	10275
	Power Input	(W)		475	596	708	810	907	998	1088
	Amps	(A)		4.31	4.55	4.83	5.12	5.45	5.79	6.17
140	Refrig. Capacity	(Btu/h)			1514	2436	3507	4776	6301	8147
	Power Input	(W)			549	701	843	978	1106	1229
	Amps	(A)			4.55	4.91	5.3	5.71	6.15	6.62

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