



tecumseh

AJ2464P

220 - 240V 1~ 50 Hz

Compressor

AJ2464P-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	762	2600	60 dBA
R-404A	50HZ	828	2825	
R-448A	50HZ	643	2191	
R-449A	50HZ	643	2191	
R-454C	50HZ	586	1999	
R-455A	50HZ	640	2183	

(*) 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	22.1 kg (49 lb)
Length	246 mm (9.7 in)
Width	218 mm (8.6 in)
Height	280 mm (11 in)
Ø Suction Tube	5/8 in (15.9mm)
Ø Discharge Tube	3/8 in (9.52mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	34.5
Horse Power	1-1/2
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)	1.57
Start Winding (Ohm)	6.5
Current RLA 50Hz (A)	5.9
Current MCC (A)	9.7
Current LRA (A)	40
Start Capacitor	88-101 µF / 330 V
Run Capacitor	20 µF / 400 V
Overload	MST16AFZ-3291
- Time Check	2.8s - 5.2s / 38 A
- Open Temp / Close Temp	120 °C / 61 °C
Potential Relay	RVA 6M3D
- Pick Up / Drop Out	/ 60-135 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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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)	693	954	1273	1658	2117	2658	3289
	Power Input (W)	675	778	883	991	1103	1219	1340
	Amps (A)	3.86	4.19	4.57	5.01	5.51	6.06	6.68
40	Refrig. Capacity (Watt)	534	762	1040	1375	1775	2249	2803
	Power Input (W)	655	780	908	1040	1178	1321	1471
	Amps (A)	3.75	4.2	4.69	5.24	5.84	6.49	7.2
50	Refrig. Capacity (Watt)			804	1084	1421	1823	2297
	Power Input (W)			910	1066	1229	1399	1576
	Amps (A)			4.74	5.39	6.09	6.84	7.64
60	Refrig. Capacity (Watt)				798	1067	1392	1781
	Power Input (W)				1072	1259	1455	1660
	Amps (A)				5.47	6.27	7.11	8

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50HZ R-404A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	760	1036	1371	1772	2243	2792	3425
	Power Input (W)	723	835	948	1061	1176	1293	1411
	Amps (A)	4.13	4.5	4.91	5.37	5.87	6.43	7.03
40	Refrig. Capacity (Watt)	589	828	1116	1459	1864	2336	2882
	Power Input (W)	714	845	979	1116	1257	1401	1550
	Amps (A)	4.08	4.55	5.06	5.62	6.22	6.88	7.58
50	Refrig. Capacity (Watt)		623	862	1146	1482	1876	2334
	Power Input (W)		833	988	1149	1315	1487	1666
	Amps (A)		4.54	5.15	5.81	6.51	7.27	8.07
60	Refrig. Capacity (Watt)			613	837	1103	1416	1785
	Power Input (W)			979	1162	1354	1554	1763
	Amps (A)			5.18	5.94	6.74	7.6	8.5



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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)	551	806	1122	1508	1972	2521	3164
	Power Input (W)	616	721	827	934	1043	1156	1272
	Amps (A)	3.52	3.88	4.28	4.72	5.21	5.75	6.34
40	Refrig. Capacity (Watt)		643	916	1252	1657	2140	2708
	Power Input (W)		732	858	986	1117	1252	1392
	Amps (A)		3.94	4.43	4.96	5.53	6.14	6.81
50	Refrig. Capacity (Watt)			720	1006	1354	1772	2267
	Power Input (W)			868	1019	1173	1333	1499
	Amps (A)			4.52	5.15	5.81	6.51	7.26
60	Refrig. Capacity (Watt)				785	1076	1430	1853
	Power Input (W)				1030	1212	1398	1592
	Amps (A)				5.26	6.03	6.83	7.67

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50HZ R-449A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	551	806	1122	1508	1972	2521	3164
	Power Input (W)	616	721	827	934	1043	1156	1272
	Amps (A)	3.52	3.88	4.28	4.72	5.21	5.75	6.34
40	Refrig. Capacity (Watt)		643	916	1252	1657	2140	2708
	Power Input (W)		732	858	986	1117	1252	1392
	Amps (A)		3.94	4.43	4.96	5.53	6.14	6.81
50	Refrig. Capacity (Watt)			720	1006	1354	1772	2267
	Power Input (W)			868	1019	1173	1333	1499
	Amps (A)			4.52	5.15	5.81	6.51	7.26
60	Refrig. Capacity (Watt)				785	1076	1430	1853
	Power Input (W)				1030	1212	1398	1592
	Amps (A)				5.26	6.03	6.83	7.67

* 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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Conditions DEW

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50HZ R-454C



Condensing	Evaporating	(°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity	(Watt)	499	729	1011	1350	1753	2226	2777
	Power Input	(W)	519	616	712	808	905	1002	1100
	Amps	(A)	2.87	3.27	3.69	4.12	4.57	5.04	5.51
40	Refrig. Capacity	(Watt)		586	838	1140	1498	1919	2410
	Power Input	(W)		615	729	845	963	1085	1209
	Amps	(A)		3.26	3.75	4.25	4.79	5.34	5.92
50	Refrig. Capacity	(Watt)			658	919	1228	1594	2021
	Power Input	(W)			726	860	1000	1144	1294
	Amps	(A)			3.75	4.34	4.96	5.61	6.3
60	Refrig. Capacity	(Watt)				696	954	1259	1619
	Power Input	(W)				856	1015	1181	1355
	Amps	(A)				4.31	5.03	5.78	6.58

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50HZ R-455A



Condensing	Evaporating	(°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity	(Watt)	558	808	1115	1486	1930	2452	3062
	Power Input	(W)	539	642	746	850	955	1058	1159
	Amps	(A)	2.89	3.34	3.79	4.25	4.72	5.21	5.72
40	Refrig. Capacity	(Watt)		640	913	1242	1635	2098	2641
	Power Input	(W)		638	760	886	1014	1145	1276
	Amps	(A)		3.33	3.85	4.4	4.96	5.55	6.18
50	Refrig. Capacity	(Watt)			707	991	1330	1733	2205
	Power Input	(W)			752	897	1048	1205	1365
	Amps	(A)			3.83	4.47	5.14	5.84	6.59
60	Refrig. Capacity	(Watt)				742	1026	1364	1764
	Power Input	(W)				887	1059	1239	1427
	Amps	(A)				4.41	5.2	6.03	6.91