



tecumseh

TAJ2464Z

400V 3~ 50Hz / 440V 3~ 60 Hz

Compressor

AJ2464Z-TZ1C

LBP

R-452A / R-404A

Voltage Code : TZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-452A	50HZ / 60HZ	754 / 829	2572 / 2827	63 dBA
R-404A	50HZ / 60HZ	820 / 900	2795 / 3071	
R-448A	50HZ / 60HZ	638 / 701	2174 / 2389	
R-449A	50HZ / 60HZ	638 / 701	2174 / 2389	

(*) 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	21.4 kg (47 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	3/4
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	3PH
Main Winding (Ohm)	11.8
Current RLA 50Hz (A)	2.2
Current RLA 60Hz (A)	2.1
Current MCC (A)	4
Current LRA (A)	16.3
Overload	Internal

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)	685	947	1267	1651	2108	2646	3272
	Power Input (W)	607	718	831	948	1070	1198	1334
	Amps (A)	1.47	1.58	1.71	1.86	2.03	2.22	2.43
40	Refrig. Capacity (Watt)	524	754	1032	1366	1762	2230	2777
	Power Input (W)	584	718	854	994	1139	1291	1451
	Amps (A)	1.43	1.58	1.75	1.93	2.14	2.36	2.6
50	Refrig. Capacity (Watt)			795	1074	1407	1801	2265
	Power Input (W)			856	1021	1191	1368	1553
	Amps (A)			1.76	1.98	2.21	2.47	2.74
60	Refrig. Capacity (Watt)				787	1053	1371	1749
	Power Input (W)				1029	1225	1429	1642
	Amps (A)				2	2.26	2.55	2.85

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50HZ R-404A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	752	1030	1365	1765	2234	2780	3408
	Power Input (W)	650	770	892	1015	1141	1270	1405
	Amps (A)	1.57	1.69	1.83	1.99	2.16	2.35	2.56
40	Refrig. Capacity (Watt)	578	820	1108	1449	1850	2317	2855
	Power Input (W)	636	778	920	1066	1215	1369	1529
	Amps (A)	1.56	1.71	1.88	2.07	2.28	2.5	2.74
50	Refrig. Capacity (Watt)		612	852	1135	1467	1854	2302
	Power Input (W)		763	930	1100	1274	1455	1642
	Amps (A)		1.71	1.91	2.13	2.37	2.62	2.89
60	Refrig. Capacity (Watt)			601	825	1088	1395	1752
	Power Input (W)			918	1116	1318	1527	1744
	Amps (A)			1.91	2.16	2.43	2.72	3.02



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50HZ R-448A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	547	802	1118	1503	1965	2511	3149
	Power Input (W)	554	666	778	893	1011	1136	1267
	Amps (A)	1.34	1.46	1.6	1.75	1.92	2.1	2.31
40	Refrig. Capacity (Watt)		638	911	1244	1646	2123	2683
	Power Input (W)		674	807	941	1079	1223	1373
	Amps (A)		1.48	1.65	1.83	2.02	2.23	2.46
50	Refrig. Capacity (Watt)			713	998	1341	1751	2236
	Power Input (W)			817	976	1138	1304	1477
	Amps (A)			1.68	1.89	2.11	2.35	2.6
60	Refrig. Capacity (Watt)				774	1062	1408	1819
	Power Input (W)				989	1180	1374	1575
	Amps (A)				1.92	2.18	2.45	2.73

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50HZ R-449A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	547	802	1118	1503	1965	2511	3149
	Power Input (W)	554	666	778	893	1011	1136	1267
	Amps (A)	1.34	1.46	1.6	1.75	1.92	2.1	2.31
40	Refrig. Capacity (Watt)		638	911	1244	1646	2123	2683
	Power Input (W)		674	807	941	1079	1223	1373
	Amps (A)		1.48	1.65	1.83	2.02	2.23	2.46
50	Refrig. Capacity (Watt)			713	998	1341	1751	2236
	Power Input (W)			817	976	1138	1304	1477
	Amps (A)			1.68	1.89	2.11	2.35	2.6
60	Refrig. Capacity (Watt)				774	1062	1408	1819
	Power Input (W)				989	1180	1374	1575
	Amps (A)				1.92	2.18	2.45	2.73

* 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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TAJ2464Z

400V 3~ 50Hz / 440V 3~ 60 Hz

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

60HZ R-452A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	752	1041	1394	1819	2325	2921	3615
	Power Input (W)	697	833	966	1102	1247	1405	1583
	Amps (A)	1.37	1.51	1.67	1.86	2.06	2.29	2.55
40	Refrig. Capacity (Watt)	577	829	1135	1504	1943	2462	3069
	Power Input (W)	668	832	994	1159	1333	1521	1729
	Amps (A)	1.33	1.51	1.71	1.93	2.17	2.43	2.72
50	Refrig. Capacity (Watt)			879	1187	1556	1995	2512
	Power Input (W)			983	1178	1381	1599	1837
	Amps (A)			1.71	1.97	2.24	2.54	2.85
60	Refrig. Capacity (Watt)				879	1175	1529	1952
	Power Input (W)				1181	1414	1662	1931
	Amps (A)				1.98	2.28	2.61	2.96

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60HZ R-404A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	824	1131	1502	1944	2464	3068	3764
	Power Input (W)	747	894	1037	1180	1330	1490	1667
	Amps (A)	1.46	1.62	1.79	1.99	2.2	2.43	2.68
40	Refrig. Capacity (Watt)	636	900	1218	1596	2040	2558	3156
	Power Input (W)	728	901	1071	1243	1422	1613	1822
	Amps (A)	1.45	1.63	1.84	2.07	2.31	2.58	2.86
50	Refrig. Capacity (Watt)		678	942	1255	1623	2053	2553
	Power Input (W)		870	1068	1269	1478	1700	1942
	Amps (A)		1.62	1.86	2.12	2.4	2.7	3.02
60	Refrig. Capacity (Watt)			675	922	1213	1556	1956
	Power Input (W)			1050	1281	1521	1776	2051
	Amps (A)			1.85	2.14	2.46	2.79	3.14



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60HZ R-448A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	601	881	1230	1656	2167	2771	3478
	Power Input (W)	637	773	905	1038	1179	1332	1503
	Amps (A)	1.25	1.4	1.57	1.75	1.95	2.17	2.42
40	Refrig. Capacity (Watt)		701	1001	1370	1815	2343	2965
	Power Input (W)		782	939	1098	1263	1441	1636
	Amps (A)		1.42	1.61	1.83	2.06	2.3	2.57
50	Refrig. Capacity (Watt)			788	1102	1483	1939	2479
	Power Input (W)			938	1125	1319	1524	1747
	Amps (A)			1.63	1.88	2.14	2.42	2.71
60	Refrig. Capacity (Watt)				865	1185	1570	2030
	Power Input (W)				1136	1361	1598	1852
	Amps (A)				1.9	2.2	2.51	2.84

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60HZ R-449A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	601	881	1230	1656	2167	2771	3478
	Power Input (W)	637	773	905	1038	1179	1332	1503
	Amps (A)	1.25	1.4	1.57	1.75	1.95	2.17	2.42
40	Refrig. Capacity (Watt)		701	1001	1370	1815	2343	2965
	Power Input (W)		782	939	1098	1263	1441	1636
	Amps (A)		1.42	1.61	1.83	2.06	2.3	2.57
50	Refrig. Capacity (Watt)			788	1102	1483	1939	2479
	Power Input (W)			938	1125	1319	1524	1747
	Amps (A)			1.63	1.88	2.14	2.42	2.71
60	Refrig. Capacity (Watt)				865	1185	1570	2030
	Power Input (W)				1136	1361	1598	1852
	Amps (A)				1.9	2.2	2.51	2.84

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