



tecumseh

TAG2516Z

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

Compressor

AG2516Z-TZ1D

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	1763 / 2123	6012 / 7241	72 dBA
R-404A	50HZ / 60HZ	2348 / 2747	8007 / 9369	
R-448A	50HZ / 60HZ	1492 / 1879	5089 / 6408	
R-449A	50HZ / 60HZ	1492 / 1879	5089 / 6408	

(*) 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	43 kg (95 lb)
Length	361 mm (14.2 in)
Width	238 mm (9.4 in)
Height	397 mm (15.6 in)
Ø Suction Tube	7/8 in (22.2mm)
Ø Discharge Tube	5/8 in (15.9mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	112.5
Horse Power	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)	1760

Electrical

Motor Type	3PH
Main Winding (Ohm)	4.59
Current RLA 50Hz (A)	4.8
Current RLA 60Hz (A)	4.9
Current LRA (A)	42.5
Overload	Internal

Pressure Equipment Directive

Max. Ambient Temp. (°C)	+46
Max. Allowable Press. (bar)	21
Ambient Temp. Range (°C)	-35/+150
Leak Test pressure (bar)	23.1
Free Volume (l)	11.6

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



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

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)	1606	2447	3500	4790	6345	8189	10350
	Power Input (W)	1417	1770	2153	2548	2937	3301	3622
	Amps (A)	3.44	3.75	4.13	4.58	5.1	5.69	6.36
40	Refrig. Capacity (Watt)	1040	1763	2662	3762	5089	6671	8532
	Power Input (W)	1323	1693	2120	2585	3071	3557	4027
	Amps (A)	3.31	3.68	4.13	4.65	5.24	5.91	6.64
50	Refrig. Capacity (Watt)			1853	2758	3855	5169	6726
	Power Input (W)			2009	2514	3065	3644	4232
	Amps (A)			4.02	4.61	5.28	6.01	6.82
60	Refrig. Capacity (Watt)				1808	2668	3710	4959
	Power Input (W)				2367	2952	3592	4268
	Amps (A)				4.46	5.19	6	6.88

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50HZ R-404A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	2393	3013	3944	5184	6735	8595	10764
	Power Input (W)	2206	2420	2663	2936	3239	3572	3934
	Amps (A)	3.42	3.69	4.05	4.5	5.05	5.67	6.39
40	Refrig. Capacity (Watt)	1788	2348	3160	4224	5539	7102	8912
	Power Input (W)	1772	2106	2468	2859	3278	3726	4202
	Amps (A)	3.22	3.59	4.04	4.58	5.21	5.93	6.73
50	Refrig. Capacity (Watt)		1575	2280	3181	4278	5566	7043
	Power Input (W)		1805	2286	2794	3329	3892	4482
	Amps (A)		3.44	3.99	4.62	5.33	6.13	7.01
60	Refrig. Capacity (Watt)			1463	2203	3084	4104	5256
	Power Input (W)			2105	2730	3381	4058	4762
	Amps (A)			3.94	4.66	5.46	6.34	7.3



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Conditions DEW

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Subcooling : 0 K

50HZ R-448A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	1264	2039	3040	4296	5835	7685	9877
	Power Input (W)	1323	1675	2038	2416	2816	3241	3696
	Amps (A)	3.01	3.39	3.81	4.28	4.79	5.36	5.97
40	Refrig. Capacity (Watt)		1492	2341	3410	4729	6326	8231
	Power Input (W)		1625	2033	2455	2895	3358	3848
	Amps (A)		3.36	3.85	4.37	4.94	5.55	6.21
50	Refrig. Capacity (Watt)			1679	2564	3665	5012	6633
	Power Input (W)			1961	2434	2922	3432	3967
	Amps (A)			3.76	4.36	4.99	5.66	6.38
60	Refrig. Capacity (Watt)				1804	2690	3789	5128
	Power Input (W)				2330	2877	3442	4030
	Amps (A)				4.21	4.92	5.67	6.45

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50HZ R-449A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	1264	2039	3040	4296	5835	7685	9877
	Power Input (W)	1323	1675	2038	2416	2816	3241	3696
	Amps (A)	3.01	3.39	3.81	4.28	4.79	5.36	5.97
40	Refrig. Capacity (Watt)		1492	2341	3410	4729	6326	8231
	Power Input (W)		1625	2033	2455	2895	3358	3848
	Amps (A)		3.36	3.85	4.37	4.94	5.55	6.21
50	Refrig. Capacity (Watt)			1679	2564	3665	5012	6633
	Power Input (W)			1961	2434	2922	3432	3967
	Amps (A)			3.76	4.36	4.99	5.66	6.38
60	Refrig. Capacity (Watt)				1804	2690	3789	5128
	Power Input (W)				2330	2877	3442	4030
	Amps (A)				4.21	4.92	5.67	6.45

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

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Conditions DEW

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)	1945	3006	4278	5777	7517	9515	11786
	Power Input (W)	1591	2022	2457	2905	3374	3871	4404
	Amps (A)	2.95	3.4	3.88	4.38	4.92	5.51	6.16
40	Refrig. Capacity (Watt)	1164	2123	3266	4607	6161	7945	9974
	Power Input (W)	1312	1839	2364	2895	3440	4007	4603
	Amps (A)	2.66	3.21	3.77	4.37	5	5.67	6.41
50	Refrig. Capacity (Watt)			2244	3409	4759	6310	8078
	Power Input (W)			2114	2749	3393	4051	4731
	Amps (A)			3.5	4.2	4.94	5.72	6.56
60	Refrig. Capacity (Watt)				2200	3328	4628	6117
	Power Input (W)				2419	3181	3951	4738
	Amps (A)				3.84	4.7	5.61	6.57

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60HZ R-404A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	2687	3521	4678	6157	7957	10079	12522
	Power Input (W)	2674	2955	3269	3616	3996	4409	4855
	Amps (A)	3.09	3.64	4.24	4.9	5.61	6.37	7.19
40	Refrig. Capacity (Watt)	2007	2747	3751	5018	6545	8332	10376
	Power Input (W)	2146	2571	3029	3520	4043	4599	5188
	Amps (A)	2.91	3.54	4.23	4.98	5.79	6.65	7.58
50	Refrig. Capacity (Watt)		1843	2709	3780	5055	6531	8205
	Power Input (W)		2205	2806	3440	4106	4805	5536
	Amps (A)		3.4	4.18	5.02	5.92	6.89	7.91
60	Refrig. Capacity (Watt)			1741	2619	3646	4817	6129
	Power Input (W)			2584	3361	4170	5010	5883
	Amps (A)			4.13	5.06	6.06	7.12	8.24



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60HZ R-448A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	1623	2588	3785	5232	6946	8945	11246
	Power Input (W)	1519	1924	2336	2763	3215	3699	4223
	Amps (A)	2.68	3.13	3.6	4.09	4.63	5.21	5.87
40	Refrig. Capacity (Watt)		1879	2939	4227	5761	7557	9633
	Power Input (W)		1797	2289	2786	3298	3833	4400
	Amps (A)		3	3.55	4.12	4.72	5.38	6.09
50	Refrig. Capacity (Watt)			2114	3239	4587	6176	8023
	Power Input (W)			2107	2701	3299	3910	4544
	Amps (A)			3.35	4.03	4.73	5.47	6.27
60	Refrig. Capacity (Watt)				2306	3464	4841	6454
	Power Input (W)				2449	3159	3873	4599
	Amps (A)				3.74	4.57	5.43	6.34

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60HZ R-449A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	1623	2588	3785	5232	6946	8945	11246
	Power Input (W)	1519	1924	2336	2763	3215	3699	4223
	Amps (A)	2.68	3.13	3.6	4.09	4.63	5.21	5.87
40	Refrig. Capacity (Watt)		1879	2939	4227	5761	7557	9633
	Power Input (W)		1797	2289	2786	3298	3833	4400
	Amps (A)		3	3.55	4.12	4.72	5.38	6.09
50	Refrig. Capacity (Watt)			2114	3239	4587	6176	8023
	Power Input (W)			2107	2701	3299	3910	4544
	Amps (A)			3.35	4.03	4.73	5.47	6.27
60	Refrig. Capacity (Watt)				2306	3464	4841	6454
	Power Input (W)				2449	3159	3873	4599
	Amps (A)				3.74	4.57	5.43	6.34

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