



tecumseh

TAG2525Z

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

Compressor

AG2525Z-TZ1A

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	2772 / 3500	9454 / 11934	
R-404A	50HZ / 60HZ	3012 / 3802	10270 / 12965	
R-448A	50HZ / 60HZ	2343 / 2959	7991 / 10089	
R-449A	50HZ / 60HZ	2343 / 2959	7991 / 10089	

(*) 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	45 kg (99 lb)
Length	319 mm (12.6 in)
Width	238 mm (9.4 in)
Height	423 mm (16.7 in)
Ø Suction Tube	7/8 in (22.2mm)
Ø Discharge Tube	5/8 in (15.9mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	145
Horse Power	6
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)	2.9
Current RLA 50Hz (A)	6.3
Current RLA 60Hz (A)	6.9
Current MCC (A)	13.3
Current LRA (A)	58
Overload	Internal
- Time Check	2s - 10s / 46 A
- Open Temp / Close Temp	110 °C / 61 °C

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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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)	2520	3615	4944	6538	8431	10654	13241
	Power Input (W)	2059	2520	3002	3505	4033	4589	5174
	Amps (A)	4.39	4.87	5.42	6.05	6.75	7.52	8.38
40	Refrig. Capacity (Watt)	1798	2772	3941	5337	6993	8941	11213
	Power Input (W)	1924	2454	3005	3581	4184	4817	5482
	Amps (A)	4.2	4.8	5.46	6.19	6.99	7.86	8.81
50	Refrig. Capacity (Watt)			2946	4123	5520	7170	9107
	Power Input (W)			2931	3577	4252	4959	5700
	Amps (A)			5.37	6.2	7.1	8.06	9.1
60	Refrig. Capacity (Watt)				2951	4069	5401	6981
	Power Input (W)				3493	4238	5016	5831
	Amps (A)				6.08	7.07	8.13	9.25

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50HZ R-404A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	2763	3929	5329	6989	8934	11192	13788
	Power Input (W)	2204	2706	3222	3753	4301	4866	5449
	Amps (A)	4.7	5.23	5.82	6.47	7.19	7.98	8.83
40	Refrig. Capacity (Watt)	1984	3012	4230	5665	7342	9288	11529
	Power Input (W)	2097	2659	3240	3841	4464	5109	5776
	Amps (A)	4.58	5.2	5.89	6.64	7.45	8.34	9.28
50	Refrig. Capacity (Watt)		2132	3159	4358	5757	7381	9256
	Power Input (W)		2536	3182	3853	4549	5273	6024
	Amps (A)		5.04	5.83	6.68	7.59	8.57	9.61
60	Refrig. Capacity (Watt)			2140	3094	4204	5495	6995
	Power Input (W)			3049	3789	4559	5360	6194
	Amps (A)			5.65	6.6	7.61	8.68	9.82



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Subcooling : 0 K

50HZ R-448A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	2013	3061	4363	5952	7856	10108	12738
	Power Input (W)	1880	2337	2810	3301	3814	4351	4914
	Amps (A)	4.01	4.52	5.08	5.7	6.38	7.13	7.96
40	Refrig. Capacity (Watt)		2343	3478	4863	6530	8510	10832
	Power Input (W)		2306	2841	3393	3966	4563	5187
	Amps (A)		4.51	5.16	5.86	6.62	7.45	8.33
50	Refrig. Capacity (Watt)			2644	3829	5261	6971	8988
	Power Input (W)			2796	3418	4061	4727	5419
	Amps (A)			5.12	5.93	6.78	7.68	8.65
60	Refrig. Capacity (Watt)				2903	4103	5545	7261
	Power Input (W)				3360	4080	4823	5593
	Amps (A)				5.85	6.81	7.81	8.87

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50HZ R-449A*

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30	Refrig. Capacity (Watt)	2013	3061	4363	5952	7856	10108	12738
	Power Input (W)	1880	2337	2810	3301	3814	4351	4914
	Amps (A)	4.01	4.52	5.08	5.7	6.38	7.13	7.96
40	Refrig. Capacity (Watt)		2343	3478	4863	6530	8510	10832
	Power Input (W)		2306	2841	3393	3966	4563	5187
	Amps (A)		4.51	5.16	5.86	6.62	7.45	8.33
50	Refrig. Capacity (Watt)			2644	3829	5261	6971	8988
	Power Input (W)			2796	3418	4061	4727	5419
	Amps (A)			5.12	5.93	6.78	7.68	8.65
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	Power Input (W)				3360	4080	4823	5593
	Amps (A)				5.85	6.81	7.81	8.87

* 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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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)	3147	4429	5942	7717	9785	12178	14925
	Power Input (W)	2589	3158	3735	4334	4968	5649	6392
	Amps (A)	4.36	5.03	5.75	6.5	7.3	8.15	9.05
40	Refrig. Capacity (Watt)	2296	3500	4896	6515	8389	10548	13024
	Power Input (W)	2396	3091	3786	4494	5227	5999	6823
	Amps (A)	4.08	4.92	5.8	6.72	7.68	8.69	9.74
50	Refrig. Capacity (Watt)			3728	5154	6796	8685	10852
	Power Input (W)			3676	4509	5359	6238	7160
	Amps (A)			5.64	6.72	7.83	8.99	10.2
60	Refrig. Capacity (Watt)				3710	5082	6663	8483
	Power Input (W)				4339	5322	6325	7362
	Amps (A)				6.49	7.75	9.06	10.4

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60HZ R-404A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	3451	4814	6404	8248	10369	12792	15542
	Power Input (W)	2772	3390	4008	4640	5297	5990	6732
	Amps (A)	4.67	5.4	6.17	6.96	7.79	8.64	9.53
40	Refrig. Capacity (Watt)	2532	3802	5255	6915	8808	10959	13391
	Power Input (W)	2611	3349	4082	4821	5577	6362	7189
	Amps (A)	4.44	5.33	6.25	7.21	8.19	9.21	10.3
50	Refrig. Capacity (Watt)		2707	3996	5449	7088	8940	11029
	Power Input (W)		3123	3991	4857	5734	6633	7566
	Amps (A)		5.04	6.12	7.23	8.38	9.56	10.8
60	Refrig. Capacity (Watt)			2670	3889	5250	6779	8500
	Power Input (W)			3690	4706	5724	6759	7819
	Amps (A)			5.76	7.04	8.34	9.68	11



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60HZ R-448A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	2516	3751	5244	7024	9118	11553	14358
	Power Input (W)	2364	2928	3496	4082	4697	5356	6071
	Amps (A)	3.98	4.67	5.38	6.12	6.9	7.73	8.6
40	Refrig. Capacity (Watt)		2959	4321	5937	7834	10040	12582
	Power Input (W)		2906	3579	4258	4954	5683	6456
	Amps (A)		4.62	5.48	6.37	7.28	8.23	9.21
50	Refrig. Capacity (Watt)			3346	4788	6478	8443	10712
	Power Input (W)			3508	4309	5118	5946	6807
	Amps (A)			5.38	6.42	7.48	8.57	9.68
60	Refrig. Capacity (Watt)				3650	5122	6838	8823
	Power Input (W)				4173	5124	6082	7061
	Amps (A)				6.24	7.46	8.71	9.97

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60HZ R-449A*

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30	Refrig. Capacity (Watt)	2516	3751	5244	7024	9118	11553	14358
	Power Input (W)	2364	2928	3496	4082	4697	5356	6071
	Amps (A)	3.98	4.67	5.38	6.12	6.9	7.73	8.6
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	Amps (A)			5.38	6.42	7.48	8.57	9.68
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