



tecumseh

TAG4573Z

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

Compressor

AGB4573ZTZ

HBP

R-404A / R-448A / R-449A / R-452A / R-22 / R-407C

Voltage Code : TZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-452A	50HZ / 60HZ	15423 / 18553	52594 / 63265	79 dBA
R-404A	50HZ / 60HZ	15385 / 18462	52463 / 62955	
R-448A	50HZ / 60HZ	15439 / 18571	52646 / 63327	
R-449A	50HZ / 60HZ	15439 / 18571	52646 / 63327	
R-407C	50HZ / 60HZ	14781 / 17780	50402 / 60629	
R-22	50HZ / 60HZ	15964 / 19203	54437 / 65481	

(*) Operating conditions EN12900 : Dew / T°Cond. 50°C / T°Evap 5°C / T°Return gas temp. 20°C / T°Subcooling 0K



*Non-contractual picture

Dimensions

Weight	47.7 kg (105 lb)
Length	361 mm (14.2 in)
Width	238 mm (9.4 in)
Height	423 mm (16.7 in)
Ø Suction Tube	1-1/8 in (28.6mm)
Ø Discharge Tube	5/8 in (15.9mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	135
Horse Power	6
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)	1760

Electrical

Motor Type	3PH
Main Winding (Ohm)	2.5
Current RLA 50Hz (A)	11.4
Current RLA 60Hz (A)	12.8
Current MCC (A)	18.9
Current LRA (A)	68
Overload	Internal
- Time Check	2s - 5s / 48 A
- Open Temp / Close Temp	120 °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)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	5527	7318	9456	11992	14976	18461	22497	27136	32427
	Power Input (W)	2850	3295	3742	4192	4645	5099	5554	6011	6469
	Amps (A)	5.42	6.01	6.63	7.26	7.92	8.61	9.33	10.1	10.8
40	Refrig. Capacity (Watt)		5852	7751	9975	12574	15598	19101	23131	27741
	Power Input (W)		3362	3893	4431	4976	5528	6086	6651	7221
	Amps (A)		6.13	6.86	7.62	8.41	9.22	10.1	10.9	11.8
50	Refrig. Capacity (Watt)			5931	7801	9973	12496	15423	18805	22692
	Power Input (W)			3902	4528	5165	5815	6475	7146	7828
	Amps (A)			6.9	7.78	8.7	9.64	10.6	11.6	12.6
60	Refrig. Capacity (Watt)				5558	7261	9243	11554	14246	17369
	Power Input (W)				4464	5194	5939	6701	7479	8272
	Amps (A)				7.73	8.78	9.85	10.9	12.1	13.2

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50HZ R-404A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	5894	7716	9878	12427	15413	18882	22883	27462	32667
	Power Input (W)	3020	3477	3935	4393	4850	5306	5759	6207	6651
	Amps (A)	5.74	6.35	6.97	7.61	8.28	8.96	9.67	10.4	11.2
40	Refrig. Capacity (Watt)	4516	6163	8071	10288	12861	15837	19265	23192	27667
	Power Input (W)	3027	3563	4104	4650	5200	5752	6306	6861	7415
	Amps (A)	5.77	6.49	7.24	8	8.79	9.6	10.4	11.3	12.2
50	Refrig. Capacity (Watt)		4539	6155	8000	10122	12567	15385	18622	22327
	Power Input (W)		3512	4134	4766	5406	6053	6706	7364	8027
	Amps (A)		6.44	7.31	8.19	9.1	10	11	12	13
60	Refrig. Capacity (Watt)			4232	5667	7299	9175	11344	13853	16750
	Power Input (W)			4010	4725	5453	6193	6943	7703	8471
	Amps (A)			7.18	8.19	9.22	10.3	11.3	12.4	13.6



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Conditions DEW

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

50HZ R-448A*

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	4868	6608	8696	11189	14143	17616	21665	26347	31720
	Power Input (W)	2658	3066	3486	3915	4351	4788	5226	5660	6087
	Amps (A)	5.06	5.6	6.17	6.78	7.42	8.09	8.78	9.48	10.2
40	Refrig. Capacity (Watt)		5314	7185	9397	12009	15075	18655	22805	27581
	Power Input (W)		3157	3652	4161	4681	5208	5740	6274	6806
	Amps (A)		5.75	6.44	7.16	7.91	8.69	9.49	10.3	11.2
50	Refrig. Capacity (Watt)			5584	7488	9726	12358	15439	19026	23178
	Power Input (W)			3686	4285	4900	5528	6166	6810	7457
	Amps (A)			6.52	7.37	8.25	9.16	10.1	11.1	12
60	Refrig. Capacity (Watt)				5566	7403	9570	12123	15120	18617
	Power Input (W)				4241	4962	5701	6455	7220	7993
	Amps (A)				7.35	8.38	9.45	10.5	11.7	12.8

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50HZ R-449A*

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	4868	6608	8696	11189	14143	17616	21665	26347	31720
	Power Input (W)	2658	3066	3486	3915	4351	4788	5226	5660	6087
	Amps (A)	5.06	5.6	6.17	6.78	7.42	8.09	8.78	9.48	10.2
40	Refrig. Capacity (Watt)		5314	7185	9397	12009	15075	18655	22805	27581
	Power Input (W)		3157	3652	4161	4681	5208	5740	6274	6806
	Amps (A)		5.75	6.44	7.16	7.91	8.69	9.49	10.3	11.2
50	Refrig. Capacity (Watt)			5584	7488	9726	12358	15439	19026	23178
	Power Input (W)			3686	4285	4900	5528	6166	6810	7457
	Amps (A)			6.52	7.37	8.25	9.16	10.1	11.1	12
60	Refrig. Capacity (Watt)				5566	7403	9570	12123	15120	18617
	Power Input (W)				4241	4962	5701	6455	7220	7993
	Amps (A)				7.35	8.38	9.45	10.5	11.7	12.8

* 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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Subcooling : 0 K

50HZ R-407C

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	4297	5964	7967	10365	13218	16586	20526	25098	30362
	Power Input (W)	2373	2801	3223	3640	4051	4456	4855	5247	5633
	Amps (A)	4.52	5.11	5.71	6.31	6.91	7.53	8.15	8.79	9.45
40	Refrig. Capacity (Watt)		4737	6551	8701	11248	14250	17766	21855	26576
	Power Input (W)		2816	3333	3851	4369	4886	5403	5920	6435
	Amps (A)		5.13	5.88	6.63	7.38	8.15	8.93	9.73	10.5
50	Refrig. Capacity (Watt)		3422	5020	6895	9108	11717	14781	18359	22511
	Power Input (W)		2669	3285	3907	4534	5167	5805	6448	7095
	Amps (A)		4.9	5.81	6.71	7.63	8.56	9.51	10.5	11.4
60	Refrig. Capacity (Watt)			3501	5074	6925	9114	11698	14738	18293
	Power Input (W)			3056	3785	4525	5275	6037	6810	7593
	Amps (A)			5.48	6.56	7.65	8.74	9.86	11	12.1

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50HZ R-22

Condensing	Evaporating (°C)	-20	-15	-10	-5	0	5	10	15
40	Refrig. Capacity (Watt)	5869	7656	9773	12269	15188	18578	22485	26956
	Power Input (W)	3340	3815	4296	4785	5280	5783	6293	6810
	Amps (A)	6.09	6.73	7.39	8.09	8.81	9.56	10.3	11.2
50	Refrig. Capacity (Watt)	4760	6325	8181	10376	12954	15964	19451	23463
	Power Input (W)	3396	3941	4499	5073	5661	6263	6881	7513
	Amps (A)	6.23	6.96	7.74	8.54	9.38	10.3	11.2	12.1
60	Refrig. Capacity (Watt)		4999	6570	8438	10652	13257	16300	19828
	Power Input (W)		3971	4602	5256	5931	6629	7350	8092
	Amps (A)		7.1	7.97	8.88	9.83	10.8	11.9	12.9



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

60HZ R-452A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	6949	9081	11608	14590	18085	22152	26852	32242	38383
	Power Input (W)	3693	4268	4851	5439	6027	6614	7194	7766	8325
	Amps (A)	6.01	6.83	7.65	8.46	9.26	10.1	10.9	11.7	12.4
40	Refrig. Capacity (Watt)		7398	9637	12233	15246	18736	22760	27378	32650
	Power Input (W)		4351	5022	5712	6418	7137	7865	8599	9335
	Amps (A)		6.94	7.94	8.93	9.91	10.9	11.9	12.9	13.8
50	Refrig. Capacity (Watt)			7612	9808	12324	15219	18553	22384	26772
	Power Input (W)			5099	5867	6664	7490	8339	9209	10096
	Amps (A)			7.93	9.1	10.3	11.4	12.6	13.8	14.9
60	Refrig. Capacity (Watt)				7329	9332	11618	14246	17274	20763
	Power Input (W)				5964	6827	7733	8677	9657	10670
	Amps (A)				8.97	10.3	11.7	13	14.4	15.7

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60HZ R-404A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	7073	9259	11853	14913	18496	22659	27459	32954	39201
	Power Input (W)	3624	4172	4722	5272	5821	6367	6910	7449	7982
	Amps (A)	6.32	6.98	7.66	8.37	9.1	9.86	10.6	11.4	12.3
40	Refrig. Capacity (Watt)	5419	7396	9686	12346	15433	19005	23118	27831	33200
	Power Input (W)	3633	4276	4925	5581	6240	6903	7568	8233	8898
	Amps (A)	6.35	7.14	7.96	8.8	9.67	10.6	11.5	12.4	13.4
50	Refrig. Capacity (Watt)		5447	7386	9600	12146	15081	18462	22347	26792
	Power Input (W)		4214	4961	5719	6487	7264	8047	8837	9632
	Amps (A)		7.09	8.04	9.01	10	11	12.1	13.2	14.2
60	Refrig. Capacity (Watt)			5078	6800	8759	11011	13613	16624	20100
	Power Input (W)			4812	5670	6544	7431	8332	9243	10166
	Amps (A)			7.9	9	10.1	11.3	12.5	13.7	14.9



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Conditions DEW

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

60HZ R-448A*

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	6121	8201	10676	13614	17080	21140	25860	31307	37545
	Power Input (W)	3444	3972	4519	5080	5646	6211	6769	7312	7833
	Amps (A)	5.6	6.36	7.12	7.9	8.67	9.45	10.2	11	11.7
40	Refrig. Capacity (Watt)		6715	8931	11525	14562	18107	22229	26991	32460
	Power Input (W)		4085	4711	5364	6037	6724	7418	8112	8799
	Amps (A)		6.52	7.45	8.38	9.33	10.3	11.2	12.1	13
50	Refrig. Capacity (Watt)			7168	9415	12021	15051	18571	22647	27346
	Power Input (W)			4817	5552	6322	7121	7941	8775	9617
	Amps (A)			7.49	8.61	9.74	10.9	12	13.1	14.2
60	Refrig. Capacity (Watt)				7341	9514	12026	14944	18332	22258
	Power Input (W)				5666	6523	7422	8358	9323	10310
	Amps (A)				8.52	9.86	11.2	12.6	13.9	15.2

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60HZ R-449A*

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	6121	8201	10676	13614	17080	21140	25860	31307	37545
	Power Input (W)	3444	3972	4519	5080	5646	6211	6769	7312	7833
	Amps (A)	5.6	6.36	7.12	7.9	8.67	9.45	10.2	11	11.7
40	Refrig. Capacity (Watt)		6715	8931	11525	14562	18107	22229	26991	32460
	Power Input (W)		4085	4711	5364	6037	6724	7418	8112	8799
	Amps (A)		6.52	7.45	8.38	9.33	10.3	11.2	12.1	13
50	Refrig. Capacity (Watt)			7168	9415	12021	15051	18571	22647	27346
	Power Input (W)			4817	5552	6322	7121	7941	8775	9617
	Amps (A)			7.49	8.61	9.74	10.9	12	13.1	14.2
60	Refrig. Capacity (Watt)				7341	9514	12026	14944	18332	22258
	Power Input (W)				5666	6523	7422	8358	9323	10310
	Amps (A)				8.52	9.86	11.2	12.6	13.9	15.2

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Conditions DEW

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Subcooling : 0 K

60HZ R-407C

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	5406	7400	9778	12609	15960	19900	24498	29823	35941
	Power Input (W)	3075	3629	4179	4722	5256	5779	6288	6779	7252
	Amps (A)	5	5.81	6.59	7.34	8.08	8.79	9.49	10.2	10.8
40	Refrig. Capacity (Watt)		5986	8143	10672	13641	17117	21170	25867	31278
	Power Input (W)		3643	4300	4966	5636	6309	6982	7653	8319
	Amps (A)		5.82	6.8	7.76	8.71	9.63	10.5	11.4	12.3
50	Refrig. Capacity (Watt)		4501	6440	8669	11257	14271	17780	21852	26556
	Power Input (W)		3545	4292	5061	5850	6656	7476	8309	9150
	Amps (A)		5.48	6.67	7.85	9.02	10.2	11.3	12.4	13.5
60	Refrig. Capacity (Watt)			4761	6693	8901	11454	14421	17870	21870
	Power Input (W)			4202	5057	5947	6868	7818	8794	9794
	Amps (A)			6.2	7.6	8.99	10.4	11.7	13.1	14.5

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60HZ R-22

Condensing	Evaporating (°C)	-20	-15	-10	-5	0	5	10	15
40	Refrig. Capacity (Watt)	7416	9517	11987	14878	18244	22138	26614	31724
	Power Input (W)	4323	4921	5538	6171	6817	7473	8136	8805
	Amps (A)	6.9	7.78	8.66	9.53	10.4	11.3	12.2	13
50	Refrig. Capacity (Watt)	6253	8115	10287	12824	15778	19203	23152	27679
	Power Input (W)	4505	5150	5831	6545	7291	8066	8866	9689
	Amps (A)	6.97	8.01	9.05	10.1	11.1	12.2	13.3	14.3
60	Refrig. Capacity (Watt)		6790	8664	10845	13387	16342	19764	23707
	Power Input (W)		5430	6144	6909	7724	8586	9491	10437
	Amps (A)		8.05	9.24	10.4	11.7	12.9	14.1	15.4