



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	18506 / 22321	63105 / 76114	79 dBA
R-404A	50HZ / 60HZ	18712 / 22454	63807 / 76568	
R-448A	50HZ / 60HZ	17911 / 21604	61078 / 73669	
R-449A	50HZ / 60HZ	17963 / 21666	61255 / 73882	
R-407C	50HZ / 60HZ	17034 / 20545	58084 / 70057	
R-22	50HZ / 60HZ	17996 / 21706	61368 / 74016	

(*) Operating conditions ASHRAE : Dew / T°Cond. 130°F / T°Evap 45°F / T°Return gas temp. 95°F / T°Subcooling 15°F



*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. : 95 °F
Subcooling : 15 °F

50HZ R-452A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)		26407	35370	46186	59138	74514	92608	113723
	Power Input	(W)		3269	3787	4309	4835	5365	5897	6432
	Amps	(A)		5.99	6.7	7.44	8.21	9.01	9.85	10.7
105	Refrig. Capacity	(Btu/h)			30317	40157	51880	65784	82180	101390
	Power Input	(W)			3897	4501	5114	5735	6365	7002
	Amps	(A)			6.87	7.72	8.61	9.53	10.5	11.5
120	Refrig. Capacity	(Btu/h)				33654	44033	56355	70945	88155
	Power Input	(W)				4594	5293	6006	6731	7470
	Amps	(A)				7.87	8.88	9.91	11	12.1
140	Refrig. Capacity	(Btu/h)					32973	43027	55078	69527
	Power Input	(W)					5358	6191	7045	7918
	Amps	(A)					9.01	10.2	11.4	12.7

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50HZ R-404A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)		28106	37247	48211	61271	76705	94802	115865
	Power Input	(W)		3454	3984	4515	5046	5576	6103	6626
	Amps	(A)		6.32	7.04	7.79	8.56	9.36	10.2	11
105	Refrig. Capacity	(Btu/h)			31913	41842	53593	67456	83739	102770
	Power Input	(W)			4110	4722	5339	5959	6582	7204
	Amps	(A)			7.25	8.1	8.99	9.9	10.8	11.8
120	Refrig. Capacity	(Btu/h)				35034	45371	57563	71939	88860
	Power Input	(W)				4830	5532	6241	6956	7677
	Amps	(A)				8.28	9.28	10.3	11.4	12.4
140	Refrig. Capacity	(Btu/h)					34019	43871	55625	69710
	Power Input	(W)					5617	6442	7280	8129
	Amps	(A)					9.45	10.6	11.8	13.1



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

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Conditions DEW

Return gas temp. : 95 °F
Subcooling : 15 °F

50HZ R-448A*

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)			31652	41994	54475	69401	87081	107830
	Power Input	(W)			3532	4028	4532	5041	5548	6051
	Amps	(A)			6.24	6.95	7.69	8.47	9.26	10.1
105	Refrig. Capacity	(Btu/h)			27162	36619	47998	61613	77784	96838
	Power Input	(W)			3658	4229	4814	5408	6007	6606
	Amps	(A)			6.45	7.26	8.11	8.99	9.89	10.8
120	Refrig. Capacity	(Btu/h)				30895	41089	53311	67893	85178
	Power Input	(W)				4345	5019	5707	6404	7108
	Amps	(A)				7.45	8.42	9.42	10.5	11.5
140	Refrig. Capacity	(Btu/h)					31580	41822	54171	68999
	Power Input	(W)					5125	5951	6794	7649
	Amps	(A)					8.62	9.81	11	12.3

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50HZ R-449A*

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)			31703	42063	54566	69519	87232	108021
	Power Input	(W)			3532	4028	4532	5041	5548	6051
	Amps	(A)			6.24	6.95	7.69	8.47	9.26	10.1
105	Refrig. Capacity	(Btu/h)			27214	36689	48092	61736	77943	97042
	Power Input	(W)			3658	4229	4814	5408	6007	6606
	Amps	(A)			6.45	7.26	8.11	8.99	9.89	10.8
120	Refrig. Capacity	(Btu/h)				30966	41185	53439	68061	85398
	Power Input	(W)				4345	5019	5707	6404	7108
	Amps	(A)				7.45	8.42	9.42	10.5	11.5
140	Refrig. Capacity	(Btu/h)					31683	41962	54358	69250
	Power Input	(W)					5125	5951	6794	7649
	Amps	(A)					8.62	9.81	11	12.3

* 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. : 95 °F
Subcooling : 15 °F

50HZ R-407C

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)		20667	28784	38684	50676	65072	82186	102335
	Power Input	(W)		2768	3260	3748	4230	4706	5176	5639
	Amps	(A)		5.07	5.76	6.47	7.18	7.9	8.64	9.4
105	Refrig. Capacity	(Btu/h)		17002	24545	33663	44671	57887	73634	92240
	Power Input	(W)		2754	3335	3917	4499	5081	5662	6243
	Amps	(A)		5.04	5.88	6.72	7.58	8.44	9.33	10.2
120	Refrig. Capacity	(Btu/h)			19976	28233	38179	50137	64442	81434
	Power Input	(W)			3299	3977	4661	5351	6047	6748
	Amps	(A)			5.83	6.82	7.82	8.84	9.87	10.9
140	Refrig. Capacity	(Btu/h)			13815	20803	29208	39369	51636	66372
	Power Input	(W)			3056	3866	4691	5528	6379	7243
	Amps	(A)			5.48	6.68	7.89	9.11	10.4	11.6

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50HZ R-22

Condensing	Evaporating	(°F)	-5	5	15	25	35	45	55
105	Refrig. Capacity	(Btu/h)		28191	36977	47519	60061	74844	92114
	Power Input	(W)		3824	4365	4914	5473	6041	6618
	Amps	(A)		6.74	7.49	8.27	9.09	9.95	10.8
120	Refrig. Capacity	(Btu/h)			32263	41848	53303	66877	82823
	Power Input	(W)			4544	5173	5820	6483	7164
	Amps	(A)			7.79	8.68	9.61	10.6	11.6
140	Refrig. Capacity	(Btu/h)				34025	43921	55777	69856
	Power Input	(W)				5404	6162	6947	7759
	Amps	(A)				9.09	10.2	11.3	12.5



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Subcooling : 15 °F

60HZ R-452A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)		32896	43478	56162	71278	89160	110147	134591
	Power Input	(W)		4229	4901	5582	6267	6954	7635	8309
	Amps	(A)		6.79	7.74	8.68	9.62	10.6	11.5	12.4
105	Refrig. Capacity	(Btu/h)			37736	49223	62802	78819	97632	119615
	Power Input	(W)			5028	5802	6596	7405	8225	9052
	Amps	(A)			7.95	9.06	10.2	11.3	12.4	13.5
120	Refrig. Capacity	(Btu/h)				42071	54077	68195	84801	104302
	Power Input	(W)				5940	6821	7734	8672	9633
	Amps	(A)				9.23	10.5	11.8	13	14.3
140	Refrig. Capacity	(Btu/h)					42159	53723	67389	83617
	Power Input	(W)					7025	8044	9109	10216
	Amps	(A)					10.6	12.1	13.6	15.1

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60HZ R-404A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)		33727	44697	57854	73525	92046	113762	139038
	Power Input	(W)		4145	4781	5418	6055	6691	7323	7951
	Amps	(A)		6.96	7.75	8.57	9.42	10.3	11.2	12.1
105	Refrig. Capacity	(Btu/h)			38296	50211	64311	80947	100487	123324
	Power Input	(W)			4932	5667	6407	7151	7898	8645
	Amps	(A)			7.97	8.91	9.89	10.9	11.9	13
120	Refrig. Capacity	(Btu/h)				42041	54446	69076	86327	106632
	Power Input	(W)				5796	6638	7489	8348	9213
	Amps	(A)				9.11	10.2	11.3	12.5	13.7
140	Refrig. Capacity	(Btu/h)					40823	52646	66750	83652
	Power Input	(W)					6740	7730	8735	9755
	Amps	(A)					10.4	11.7	13	14.4



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60HZ R-448A*

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)			38907	51067	65663	83047	103576	127615
	Power Input	(W)			4570	5218	5875	6534	7184	7816
	Amps	(A)			7.22	8.11	9.02	9.91	10.8	11.7
105	Refrig. Capacity	(Btu/h)			33806	44887	58105	73822	92406	114237
	Power Input	(W)			4719	5451	6209	6982	7763	8540
	Amps	(A)			7.46	8.51	9.57	10.6	11.7	12.7
120	Refrig. Capacity	(Btu/h)				38626	50464	64512	81151	100778
	Power Input	(W)				5618	6468	7349	8251	9166
	Amps	(A)				8.73	9.96	11.2	12.4	13.6
140	Refrig. Capacity	(Btu/h)					40372	52203	66265	82986
	Power Input	(W)					6719	7731	8784	9869
	Amps	(A)					10.2	11.7	13.1	14.6

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60HZ R-449A*

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)			38969	51151	65772	83187	103756	127842
	Power Input	(W)			4570	5218	5875	6534	7184	7816
	Amps	(A)			7.22	8.11	9.02	9.91	10.8	11.7
105	Refrig. Capacity	(Btu/h)			33870	44973	58218	73969	92595	114478
	Power Input	(W)			4719	5451	6209	6982	7763	8540
	Amps	(A)			7.46	8.51	9.57	10.6	11.7	12.7
120	Refrig. Capacity	(Btu/h)				38715	50583	64667	81352	101038
	Power Input	(W)				5618	6468	7349	8251	9166
	Amps	(A)				8.73	9.96	11.2	12.4	13.6
140	Refrig. Capacity	(Btu/h)					40503	52378	66495	83287
	Power Input	(W)					6719	7731	8784	9869
	Amps	(A)					10.2	11.7	13.1	14.6

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60HZ R-407C

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)		25747	35380	47037	61078	77862	97754	121119
	Power Input	(W)		3580	4219	4855	5482	6099	6701	7284
	Amps	(A)		5.75	6.66	7.55	8.41	9.26	10.1	10.9
105	Refrig. Capacity	(Btu/h)		21566	30550	41267	54081	69361	87478	108814
	Power Input	(W)		3567	4303	5049	5803	6560	7317	8071
	Amps	(A)		5.69	6.8	7.88	8.94	9.98	11	12
120	Refrig. Capacity	(Btu/h)			25511	35296	46892	60673	77025	96343
	Power Input	(W)			4298	5142	6008	6892	7791	8701
	Amps	(A)			6.71	7.99	9.25	10.5	11.7	12.9
140	Refrig. Capacity	(Btu/h)			18788	27353	37343	49146	63168	79827
	Power Input	(W)			4202	5155	6149	7181	8248	9346
	Amps	(A)			6.2	7.76	9.3	10.8	12.3	13.9

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60HZ R-22

Condensing	Evaporating	(°F)	-5	5	15	25	35	45	55
105	Refrig. Capacity	(Btu/h)		35089	45330	57530	71966	88918	108665
	Power Input	(W)		4934	5626	6337	7066	7807	8557
	Amps	(A)		7.8	8.78	9.77	10.8	11.7	12.7
120	Refrig. Capacity	(Btu/h)			40337	51398	64502	79935	97984
	Power Input	(W)			5876	6667	7494	8352	9238
	Amps	(A)			9.13	10.3	11.4	12.6	13.7
140	Refrig. Capacity	(Btu/h)				43499	54825	68232	84022
	Power Input	(W)				7086	8006	8983	10012
	Amps	(A)				10.7	12.1	13.4	14.8