



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. 122°F / T°Evap 41°F / T°Return gas temp. 68°F / T°Subcooling 0°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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Return gas temp. : 68 °F
Subcooling : 0 °F

50HZ R-452A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	16688	23162	31002	40449	51740	65115	80813	99073
	Power Input	(W)	2757	3269	3787	4309	4835	5365	5897	6432
	Amps	(A)	5.3	5.99	6.7	7.44	8.21	9.01	9.85	10.7
105	Refrig. Capacity	(Btu/h)		19013	26095	34525	44540	56379	70283	86489
	Power Input	(W)		3303	3897	4501	5114	5735	6365	7002
	Amps	(A)		6.05	6.87	7.72	8.61	9.53	10.5	11.5
120	Refrig. Capacity	(Btu/h)			20925	28229	36860	47056	59057	73101
	Power Input	(W)			3909	4594	5293	6006	6731	7470
	Amps	(A)			6.9	7.87	8.88	9.91	11	12.1
140	Refrig. Capacity	(Btu/h)				19556	26174	34011	43308	54302
	Power Input	(W)				4545	5358	6191	7045	7918
	Amps	(A)				7.85	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)	17861	24444	32364	41842	53103	66369	81863	99809
	Power Input	(W)	2927	3454	3984	4515	5046	5576	6103	6626
	Amps	(A)	5.63	6.32	7.04	7.79	8.56	9.36	10.2	11
105	Refrig. Capacity	(Btu/h)		20051	27167	35562	45460	57084	70657	86402
	Power Input	(W)		3504	4110	4722	5339	5959	6582	7204
	Amps	(A)		6.41	7.25	8.1	8.99	9.9	10.8	11.8
120	Refrig. Capacity	(Btu/h)		15512	21723	28934	37369	47250	58801	72246
	Power Input	(W)		3457	4138	4830	5532	6241	6956	7677
	Amps	(A)		6.36	7.31	8.28	9.28	10.3	11.4	12.4
140	Refrig. Capacity	(Btu/h)			14431	19906	26233	33635	42334	52553
	Power Input	(W)			4010	4805	5617	6442	7280	8129
	Amps	(A)			7.18	8.3	9.45	10.6	11.8	13.1



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Subcooling : 0 °F

50HZ R-448A*

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	14603	20890	28554	37863	49083	62481	78325	96882
	Power Input	(W)	2582	3048	3532	4028	4532	5041	5548	6051
	Amps	(A)	4.96	5.58	6.24	6.95	7.69	8.47	9.26	10.1
105	Refrig. Capacity	(Btu/h)		17225	24202	32602	42693	54740	69012	85775
	Power Input	(W)		3104	3658	4229	4814	5408	6007	6606
	Amps	(A)		5.68	6.45	7.26	8.11	8.99	9.89	10.8
120	Refrig. Capacity	(Btu/h)			19653	27068	35952	46572	59194	74086
	Power Input	(W)			3690	4345	5019	5707	6404	7108
	Amps	(A)			6.52	7.45	8.42	9.42	10.5	11.5
140	Refrig. Capacity	(Btu/h)				19627	26783	35379	45683	57961
	Power Input	(W)				4320	5125	5951	6794	7649
	Amps	(A)				7.46	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)	14603	20890	28554	37863	49083	62481	78325	96882
	Power Input	(W)	2582	3048	3532	4028	4532	5041	5548	6051
	Amps	(A)	4.96	5.58	6.24	6.95	7.69	8.47	9.26	10.1
105	Refrig. Capacity	(Btu/h)		17225	24202	32602	42693	54740	69012	85775
	Power Input	(W)		3104	3658	4229	4814	5408	6007	6606
	Amps	(A)		5.68	6.45	7.26	8.11	8.99	9.89	10.8
120	Refrig. Capacity	(Btu/h)			19653	27068	35952	46572	59194	74086
	Power Input	(W)			3690	4345	5019	5707	6404	7108
	Amps	(A)			6.52	7.45	8.42	9.42	10.5	11.5
140	Refrig. Capacity	(Btu/h)				19627	26783	35379	45683	57961
	Power Input	(W)				4320	5125	5951	6794	7649
	Amps	(A)				7.46	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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50HZ R-407C

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	12749	18783	26150	35127	45991	59019	74487	92672
	Power Input	(W)	2270	2768	3260	3748	4230	4706	5176	5639
	Amps	(A)	4.37	5.07	5.76	6.47	7.18	7.9	8.64	9.4
105	Refrig. Capacity	(Btu/h)		15285	22054	30227	40080	51891	65935	82489
	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)		11604	17703	24999	33770	44290	56837	71688
	Power Input	(W)		2627	3299	3977	4661	5351	6047	6748
	Amps	(A)		4.84	5.83	6.82	7.82	8.84	9.87	10.9
140	Refrig. Capacity	(Btu/h)			11940	17954	25167	33855	44294	56761
	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)	19196	25860	33907	43556	55025	68531	84292
	Power Input	(W)	3293	3824	4365	4914	5473	6041	6618
	Amps	(A)	6.03	6.74	7.49	8.27	9.09	9.95	10.8
120	Refrig. Capacity	(Btu/h)	16105	22078	29295	37976	48336	60596	74971
	Power Input	(W)	3336	3931	4544	5173	5820	6483	7164
	Amps	(A)	6.14	6.94	7.79	8.68	9.61	10.6	11.6
140	Refrig. Capacity	(Btu/h)		17047	23057	30345	39128	49624	62052
	Power Input	(W)		3971	4674	5404	6162	6947	7759
	Amps	(A)		7.1	8.07	9.09	10.2	11.3	12.5



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60HZ R-452A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	21145	28854	38108	49186	62362	77914	96118	117252
	Power Input	(W)	3571	4229	4901	5582	6267	6954	7635	8309
	Amps	(A)	5.83	6.79	7.74	8.68	9.62	10.6	11.5	12.4
105	Refrig. Capacity	(Btu/h)		24127	32482	42320	53917	67551	83498	102035
	Power Input	(W)		4279	5028	5802	6596	7405	8225	9052
	Amps	(A)		6.83	7.95	9.06	10.2	11.3	12.4	13.5
120	Refrig. Capacity	(Btu/h)			26731	35289	45267	56942	70591	86490
	Power Input	(W)			5093	5940	6821	7734	8672	9633
	Amps	(A)			7.95	9.23	10.5	11.8	13	14.3
140	Refrig. Capacity	(Btu/h)				25710	33466	42466	52988	65307
	Power Input	(W)				6057	7025	8044	9109	10216
	Amps	(A)				9.12	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)	21433	29333	38837	50211	63723	79642	98236	119771
	Power Input	(W)	3513	4145	4781	5418	6055	6691	7323	7951
	Amps	(A)	6.19	6.96	7.75	8.57	9.42	10.3	11.2	12.1
105	Refrig. Capacity	(Btu/h)		24062	32600	42674	54552	68500	84788	103683
	Power Input	(W)		4204	4932	5667	6407	7151	7898	8645
	Amps	(A)		7.05	7.97	8.91	9.89	10.9	11.9	13
120	Refrig. Capacity	(Btu/h)		18615	26068	34721	44843	56700	70562	86695
	Power Input	(W)		4148	4966	5796	6638	7489	8348	9213
	Amps	(A)		7	8.04	9.11	10.2	11.3	12.5	13.7
140	Refrig. Capacity	(Btu/h)			17317	23888	31480	40362	50800	63064
	Power Input	(W)			4812	5767	6740	7730	8735	9755
	Amps	(A)			7.9	9.13	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)	18501	26021	35098	46043	59163	74766	93162	114659
	Power Input	(W)	3345	3943	4570	5218	5875	6534	7184	7816
	Amps	(A)	5.46	6.33	7.22	8.11	9.02	9.91	10.8	11.7
105	Refrig. Capacity	(Btu/h)		21848	30122	39964	51683	65587	81985	101187
	Power Input	(W)		4021	4719	5451	6209	6982	7763	8540
	Amps	(A)		6.42	7.46	8.51	9.57	10.6	11.7	12.7
120	Refrig. Capacity	(Btu/h)			25107	33842	44156	56357	70753	87654
	Power Input	(W)			4809	5618	6468	7349	8251	9166
	Amps	(A)			7.5	8.73	9.96	11.2	12.4	13.6
140	Refrig. Capacity	(Btu/h)				25806	34239	44162	55882	69710
	Power Input	(W)				5759	6719	7731	8784	9869
	Amps	(A)				8.67	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)	18501	26021	35098	46043	59163	74766	93162	114659
	Power Input	(W)	3345	3943	4570	5218	5875	6534	7184	7816
	Amps	(A)	5.46	6.33	7.22	8.11	9.02	9.91	10.8	11.7
105	Refrig. Capacity	(Btu/h)		21848	30122	39964	51683	65587	81985	101187
	Power Input	(W)		4021	4719	5451	6209	6982	7763	8540
	Amps	(A)		6.42	7.46	8.51	9.57	10.6	11.7	12.7
120	Refrig. Capacity	(Btu/h)			25107	33842	44156	56357	70753	87654
	Power Input	(W)			4809	5618	6468	7349	8251	9166
	Amps	(A)			7.5	8.73	9.96	11.2	12.4	13.6
140	Refrig. Capacity	(Btu/h)				25806	34239	44162	55882	69710
	Power Input	(W)				5759	6719	7731	8784	9869
	Amps	(A)				8.67	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)	16165	23399	32141	42712	55432	70620	88597	109683
	Power Input	(W)	2940	3580	4219	4855	5482	6099	6701	7284
	Amps	(A)	4.8	5.75	6.66	7.55	8.41	9.26	10.1	10.9
105	Refrig. Capacity	(Btu/h)		19387	27450	37055	48524	62176	78332	97311
	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)		15222	22609	31253	41476	53597	67936	84813
	Power Input	(W)		3480	4298	5142	6008	6892	7791	8701
	Amps	(A)		5.4	6.71	7.99	9.25	10.5	11.7	12.9
140	Refrig. Capacity	(Btu/h)			16237	23608	32176	42263	54186	68268
	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)	24344	32187	41567	52732	65932	81418	99438
	Power Input	(W)	4267	4934	5626	6337	7066	7807	8557
	Amps	(A)	6.81	7.8	8.78	9.77	10.8	11.7	12.7
120	Refrig. Capacity	(Btu/h)	21101	28196	36627	46642	58492	72427	88695
	Power Input	(W)	4414	5124	5876	6667	7494	8352	9238
	Amps	(A)	6.86	7.99	9.13	10.3	11.4	12.6	13.7
140	Refrig. Capacity	(Btu/h)		23154	30316	38795	48841	60705	74634
	Power Input	(W)		5430	6226	7086	8006	8983	10012
	Amps	(A)		8.05	9.38	10.7	12.1	13.4	14.8