



tecumseh

TAGT4573ZHR-TZ

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

Condensing unit

H836230733

HBP

R-452A / R-404A

Voltage Code : TZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)	
		Watts	BTU/h
R-452A	50HZ / 60HZ	11427 / 13158	38967 / 44870
R-404A	50HZ / 60HZ	11603 / 13342	39567 / 45497
R-448A	50HZ / 60HZ	10254 / 11890	34966 / 40545
R-449A	50HZ / 60HZ	10258 / 11892	34979 / 40551

(*) Operating conditions ARI_90F : Dew / T°Ambient 90°F / T°Evap 20°F / T°Return gas temp. 65°F / T°Subcooling 5°F

General

Condensing Unit Type	INDOOR
Family Condensing Unit	Standard Air Cooled Unit
Design Ambient Temp °C (°F)	46 (115)

Mechanical

Fan Qty	2
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Electrical

Current RLA 50Hz (A)	13.7
Current RLA 60Hz (A)	16.2

Dimensions

Weight	109.5 kg (241 lb)
Length	615 mm (24.2 in)
Width	1060 mm (41.7 in)
Height	555 mm (21.9 in)

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



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Performances are given at rating conditions ARI_90F
Conditions DEW

Return gas temp. : 65 °F
Subcooling : 5 °F

50HZ R-452A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	27654	35063	42987	51339	60119	69518
	Power Input	(W)	4328	4958	5647	6408	7245	8162
	Amps	(A)	9.36	10.3	11.2	12.4	13.6	14.9
	Condensing	(°F)	102	105	109	114	120	125
100	Refrig. Capacity	(Btu/h)	24774	31774	39201	46997	55189	64005
	Power Input	(W)	4355	5013	5724	6501	7352	8280
	Amps	(A)	9.4	10.3	11.4	12.5	13.7	15.1
	Condensing	(°F)	110	113	117	121	126	131
115	Refrig. Capacity	(Btu/h)	20291	26664	33353	40342	47707	55744
	Power Input	(W)	4333	5041	5791	6599	7475	8424
	Amps	(A)	9.39	10.4	11.5	12.6	13.9	15.3
	Condensing	(°F)	123	125	128	132	136	140

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60HZ R-452A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	32208	40533	49304	58424	67901	77969
	Power Input	(W)	5728	6556	7462	8459	9556	10757
	Amps	(A)	11.3	12.5	13.8	15.2	16.7	18.3
	Condensing	(°F)	107	110	115	119	124	129
100	Refrig. Capacity	(Btu/h)	28874	36718	44904	53370	62161	71559
	Power Input	(W)	5765	6622	7553	8573	9690	10910
	Amps	(A)	11.3	12.6	13.9	15.3	16.9	18.5
	Condensing	(°F)	116	119	122	126	131	136
115	Refrig. Capacity	(Btu/h)	23755	30881	38208	45735	53577	62131
	Power Input	(W)	5801	6697	7667	8721	9869	11116
	Amps	(A)	11.2	12.6	14	15.5	17.1	18.8
	Condensing	(°F)	129	131	134	137	141	145



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50HZ R-404A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	28893	35904	43315	51018	58985	67359
	Power Input	(W)	4539	5188	5892	6659	7492	8391
	Amps	(A)	9.73	10.6	11.7	12.8	14	15.3
	Condensing	(°F)	102	106	111	116	121	126
100	Refrig. Capacity	(Btu/h)	26003	32513	39327	46373	53664	61397
	Power Input	(W)	4573	5246	5970	6753	7598	8507
	Amps	(A)	9.79	10.7	11.8	12.9	14.1	15.5
	Condensing	(°F)	110	114	118	123	128	133
115	Refrig. Capacity	(Btu/h)	21593	27342	33265	39340	45648	52479
	Power Input	(W)	4573	5284	6041	6852	7721	8649
	Amps	(A)	9.81	10.8	11.9	13.1	14.3	15.7
	Condensing	(°F)	122	125	129	134	138	142

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60HZ R-404A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	33630	41459	49595	57922	66420	75276
	Power Input	(W)	6008	6858	7781	8784	9874	11052
	Amps	(A)	11.8	13	14.3	15.7	17.2	18.8
	Condensing	(°F)	107	111	116	121	126	131
100	Refrig. Capacity	(Btu/h)	30281	37526	44966	52526	60239	68366
	Power Input	(W)	6056	6932	7878	8903	10011	11205
	Amps	(A)	11.8	13.1	14.4	15.8	17.4	18.9
	Condensing	(°F)	116	119	123	128	133	138
115	Refrig. Capacity	(Btu/h)	25242	31614	38022	44461	51059	58225
	Power Input	(W)	6115	7025	8004	9060	10197	11415
	Amps	(A)	11.7	13.1	14.5	16	17.6	19.2
	Condensing	(°F)	128	131	135	139	143	148



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

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Return gas temp. : 65 °F
Subcooling : 5 °F

50HZ R-448A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	23951	31066	39089	47954	57531	67624
	Power Input	(W)	4112	4733	5412	6158	6984	7905
	Amps	(A)	8.97	9.86	10.8	11.9	13.2	14.5
	Condensing	(°F)	107	110	114	119	124	129
100	Refrig. Capacity	(Btu/h)	21515	28204	35731	44053	53066	62606
	Power Input	(W)	4132	4782	5489	6261	7110	8049
	Amps	(A)	9.01	9.94	11	12.1	13.3	14.7
	Condensing	(°F)	115	118	122	126	130	136
115	Refrig. Capacity	(Btu/h)	17855	23896	30677	38190	46369	55099
	Power Input	(W)	4102	4801	5556	6373	7261	8234
	Amps	(A)	8.99	9.99	11.1	12.3	13.6	15
	Condensing	(°F)	127	130	133	136	141	145

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60HZ R-448A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	28096	36170	45136	54903	65280	75948
	Power Input	(W)	5450	6256	7137	8102	9162	10331
	Amps	(A)	10.9	12	13.3	14.7	16.1	17.7
	Condensing	(°F)	114	117	121	125	131	137
100	Refrig. Capacity	(Btu/h)	25336	32938	41344	50492	60226	70264
	Power Input	(W)	5492	6330	7247	8249	9347	10551
	Amps	(A)	10.9	12.1	13.4	14.8	16.4	18
	Condensing	(°F)	122	125	128	133	137	143
115	Refrig. Capacity	(Btu/h)	21255	28161	35741	43977	52765	61886
	Power Input	(W)	5529	6415	7385	8443	9597	10857
	Amps	(A)	10.7	12.1	13.5	15	16.7	18.4
	Condensing	(°F)	134	136	139	143	147	152

* 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-449A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	23958	31077	39104	47976	57564	67677
	Power Input	(W)	4112	4733	5412	6158	6984	7905
	Amps	(A)	8.97	9.86	10.8	11.9	13.2	14.5
	Condensing	(°F)	107	110	114	119	124	129
100	Refrig. Capacity	(Btu/h)	21522	28214	35746	44075	53100	62659
	Power Input	(W)	4132	4782	5489	6261	7110	8049
	Amps	(A)	9.01	9.94	11	12.1	13.3	14.7
	Condensing	(°F)	115	118	122	126	130	136
115	Refrig. Capacity	(Btu/h)	17862	23907	30693	38213	46404	55154
	Power Input	(W)	4102	4801	5556	6373	7261	8234
	Amps	(A)	8.99	9.99	11.1	12.3	13.6	15
	Condensing	(°F)	127	130	133	136	141	145

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60HZ R-449A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	28101	36176	45143	54911	65288	75953
	Power Input	(W)	5450	6256	7137	8102	9162	10331
	Amps	(A)	10.9	12	13.3	14.7	16.1	17.7
	Condensing	(°F)	114	117	121	125	131	137
100	Refrig. Capacity	(Btu/h)	25342	32945	41353	50504	60238	70275
	Power Input	(W)	5492	6330	7247	8249	9347	10551
	Amps	(A)	10.9	12.1	13.4	14.8	16.4	18
	Condensing	(°F)	122	125	128	133	137	143
115	Refrig. Capacity	(Btu/h)	21262	28171	35754	43995	52787	61912
	Power Input	(W)	5529	6415	7385	8443	9597	10857
	Amps	(A)	10.7	12.1	13.5	15	16.7	18.4
	Condensing	(°F)	134	136	139	143	147	152

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