



tecumseh

TAGT4553ZHR-TZ

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

Condensing unit

H835830733

HBP

R-452A / R-404A

Voltage Code : TZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)	
		Watts	BTU/h
R-452A	50HZ / 60HZ	8042 / 9280	27424 / 31644
R-404A	50HZ / 60HZ	8172 / 9410	27868 / 32089
R-448A	50HZ / 60HZ	7124 / 8239	24292 / 28095
R-449A	50HZ / 60HZ	7126 / 8242	24299 / 28104

(*) 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)	10.2
Current RLA 60Hz (A)	11.4

Dimensions

Weight	105 kg (231 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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400V 3~ 50Hz / 440V 3~ 60 Hz

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)	18548	24339	30618	37280	44231	51445
	Power Input	(W)	3194	3657	4135	4643	5194	5796
	Amps	(A)	7.51	8.14	8.83	9.57	10.4	11.3
	Condensing	(°F)	102	105	109	114	119	124
100	Refrig. Capacity	(Btu/h)	16102	21490	27273	33364	39688	46242
	Power Input	(W)	3177	3684	4200	4741	5321	5949
	Amps	(A)	7.49	8.18	8.91	9.7	10.6	11.5
	Condensing	(°F)	111	114	117	122	126	131
115	Refrig. Capacity	(Btu/h)	12426	17245	22323	27607	33058	38726
	Power Input	(W)	3078	3666	4250	4848	5478	6150
	Amps	(A)	7.39	8.17	8.99	9.84	10.8	11.7
	Condensing	(°F)	124	126	129	133	137	142

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60HZ R-452A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	21452	28165	35188	42412	49740	57144
	Power Input	(W)	4173	4809	5448	6114	6821	7579
	Amps	(A)	8.86	9.6	10.4	11.2	12.2	13.2
	Condensing	(°F)	108	111	114	119	124	129
100	Refrig. Capacity	(Btu/h)	18231	24552	31068	37688	44338	51026
	Power Input	(W)	4088	4792	5485	6191	6930	7713
	Amps	(A)	8.81	9.62	10.5	11.4	12.3	13.4
	Condensing	(°F)	117	119	123	127	131	136
115	Refrig. Capacity	(Btu/h)	13279	19035	24824	30594	36320	42098
	Power Input	(W)	3810	4647	5440	6224	7023	7854
	Amps	(A)	8.66	9.57	10.5	11.5	12.5	13.6
	Condensing	(°F)	130	132	135	138	142	147



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

50HZ R-404A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	19384	24923	30909	37211	43679	50179
	Power Input	(W)	3343	3818	4307	4818	5364	5953
	Amps	(A)	7.78	8.42	9.11	9.86	10.7	11.5
	Condensing	(°F)	102	106	110	115	120	126
100	Refrig. Capacity	(Btu/h)	16885	21946	27359	33018	38809	44644
	Power Input	(W)	3332	3849	4374	4919	5494	6107
	Amps	(A)	7.76	8.46	9.2	9.99	10.8	11.7
	Condensing	(°F)	111	114	118	123	128	133
115	Refrig. Capacity	(Btu/h)	13155	17533	22121	26857	31687	36605
	Power Input	(W)	3248	3837	4427	5030	5655	6311
	Amps	(A)	7.69	8.47	9.29	10.1	11	12
	Condensing	(°F)	124	127	131	135	139	144

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60HZ R-404A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	22405	28788	35442	42220	48961	55522
	Power Input	(W)	4366	5016	5667	6336	7035	7775
	Amps	(A)	9.16	9.91	10.7	11.6	12.5	13.4
	Condensing	(°F)	108	111	115	120	125	130
100	Refrig. Capacity	(Btu/h)	19125	25020	31072	37165	43177	49024
	Power Input	(W)	4290	5002	5705	6415	7145	7908
	Amps	(A)	9.13	9.94	10.8	11.7	12.6	13.7
	Condensing	(°F)	116	120	124	128	133	138
115	Refrig. Capacity	(Btu/h)	14133	19313	24492	29603	34599	39517
	Power Input	(W)	4039	4862	5659	6446	7238	8048
	Amps	(A)	9	9.91	10.9	11.8	12.9	13.9
	Condensing	(°F)	130	133	136	140	145	149



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

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Conditions DEW

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)	15759	21253	27519	34492	42025	49886
	Power Input	(W)	3023	3491	3973	4481	5029	5635
	Amps	(A)	7.2	7.84	8.53	9.28	10.1	11
	Condensing	(°F)	108	111	114	118	123	129
100	Refrig. Capacity	(Btu/h)	13688	18785	24571	31002	37959	45239
	Power Input	(W)	2997	3510	4035	4582	5167	5805
	Amps	(A)	7.18	7.88	8.62	9.42	10.3	11.2
	Condensing	(°F)	116	119	122	126	131	136
115	Refrig. Capacity	(Btu/h)	10621	15159	20259	25910	32032	38473
	Power Input	(W)	2888	3480	4079	4695	5342	6036
	Amps	(A)	7.08	7.87	8.7	9.58	10.5	11.5
	Condensing	(°F)	129	131	134	138	142	147

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60HZ R-448A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	18124	24600	31750	39481	47623	55911
	Power Input	(W)	3932	4578	5227	5897	6604	7371
	Amps	(A)	8.52	9.27	10.1	10.9	11.9	12.9
	Condensing	(°F)	113	116	120	123	128	133
100	Refrig. Capacity	(Btu/h)	15369	21445	28103	35272	42804	50468
	Power Input	(W)	3828	4544	5255	5976	6727	7528
	Amps	(A)	8.47	9.28	10.1	11.1	12	13.1
	Condensing	(°F)	122	125	128	131	136	141
115	Refrig. Capacity	(Btu/h)	11216	16712	22654	29004	35653	42422
	Power Input	(W)	3523	4364	5187	6004	6835	7701
	Amps	(A)	8.31	9.23	10.2	11.2	12.3	13.5
	Condensing	(°F)	135	137	140	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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Conditions DEW

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

50HZ R-449A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	15763	21259	27528	34505	42045	49916
	Power Input	(W)	3023	3491	3973	4481	5029	5635
	Amps	(A)	7.2	7.84	8.53	9.28	10.1	11
	Condensing	(°F)	108	111	114	118	123	129
100	Refrig. Capacity	(Btu/h)	13692	18791	24580	31016	37979	45270
	Power Input	(W)	2997	3510	4035	4582	5167	5805
	Amps	(A)	7.18	7.88	8.62	9.42	10.3	11.2
	Condensing	(°F)	116	119	122	126	131	136
115	Refrig. Capacity	(Btu/h)	10625	15165	20268	25924	32054	38508
	Power Input	(W)	2888	3480	4079	4695	5342	6036
	Amps	(A)	7.08	7.87	8.7	9.58	10.5	11.5
	Condensing	(°F)	129	131	134	138	142	147

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60HZ R-449A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	18129	24608	31761	39499	47649	55949
	Power Input	(W)	3932	4578	5227	5897	6604	7371
	Amps	(A)	8.52	9.27	10.1	10.9	11.9	12.9
	Condensing	(°F)	113	116	120	123	128	133
100	Refrig. Capacity	(Btu/h)	15374	21453	28115	35289	42831	50509
	Power Input	(W)	3828	4544	5255	5976	6727	7528
	Amps	(A)	8.47	9.28	10.1	11.1	12	13.1
	Condensing	(°F)	122	125	128	131	136	141
115	Refrig. Capacity	(Btu/h)	11221	16720	22667	29023	35682	42469
	Power Input	(W)	3523	4364	5187	6004	6835	7701
	Amps	(A)	8.31	9.23	10.2	11.2	12.3	13.5
	Condensing	(°F)	135	137	140	143	147	152

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