



tecumseh

TAGDT2544ZBR-TZ

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

Condensing unit

3H95330210

LBP

R-452A / R-404A

Voltage Code : TZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)	
		Watts	BTU/h
R-452A	50HZ / 60HZ	10678 / 11170	36411 / 38091
R-404A	50HZ / 60HZ	10568 / 11930	36038 / 40682
R-448A	50HZ / 60HZ	8807 / 10043	30033 / 34245
R-449A	50HZ / 60HZ	8810 / 10046	30043 / 34258

(*) Operating conditions ARI_90F : Dew / T°Ambient 90°F / T°Evap -10°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)	43 (109)

Mechanical

Fan Qty	2
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Electrical

Current RLA 50Hz (A)	15
Current RLA 60Hz (A)	17.2

Dimensions

Weight	161 kg (355 lb)
Length	720 mm (28.3 in)
Width	1060 mm (41.7 in)
Height	589 mm (23.2 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)	-40	-30	-20	-10	0	10
90	Refrig. Capacity (Btu/h)	13837	20265	27799	36411	46048	56715
	Power Input (W)	3836	4758	5773	6920	8231	9733
	Amps (A)	10.4	11.6	13	14.6	16.5	18.6
	Condensing (°F)	100	103	107	112	117	123
100	Refrig. Capacity (Btu/h)	12334	18418	25505	33595	42667	52766
	Power Input (W)	3711	4693	5759	6950	8299	9835
	Amps (A)	10.2	11.4	12.9	14.6	16.5	18.7
	Condensing (°F)	110	112	115	119	125	130
115	Refrig. Capacity (Btu/h)	10640	16172	22572	29880	38131	47451
	Power Input (W)	3472	4555	5708	6973	8385	9976
	Amps (A)	9.69	11.1	12.7	14.5	16.5	18.8
	Condensing (°F)	123	125	127	131	136	140

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60HZ R-452A

Ambient	Evaporating (°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity (Btu/h)	12116	20137	28779	38091	48110	58953
	Power Input (W)	4514	5923	7329	8850	10581	12596
	Amps (A)	10.5	12.1	14	16	18.4	21.1
	Condensing (°F)	110	112	115	120	125	131
100	Refrig. Capacity (Btu/h)	8620	16333	24540	33310	42719	52946
	Power Input (W)	4000	5609	7152	8769	10568	12632
	Amps (A)	9.98	11.7	13.7	15.8	18.3	21
	Condensing (°F)	119	121	124	128	133	138
115	Refrig. Capacity (Btu/h)	3174	10377	17914	25893	34463	43962
	Power Input (W)	2842	4853	6682	8504	10452	12624
	Amps (A)	8.83	10.9	13	15.3	17.9	20.8
	Condensing (°F)	134	135	137	141	145	149



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50HZ R-404A

Ambient	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	14363	20637	27906	36038	44871	54258
	Power Input	(W)	4065	5013	6055	7219	8531	10019
	Amps	(A)	11.2	12.4	13.8	15.5	17.4	19.6
	Condensing	(°F)	96.9	101	106	111	117	123
100	Refrig. Capacity	(Btu/h)	12101	17926	24601	32031	40098	48715
	Power Input	(W)	3942	4928	6009	7211	8561	10086
	Amps	(A)	11	12.3	13.8	15.5	17.5	19.7
	Condensing	(°F)	105	109	114	119	124	130
115	Refrig. Capacity	(Btu/h)	8804	13983	19795	26197	33144	40650
	Power Input	(W)	3698	4748	5895	7162	8577	10162
	Amps	(A)	10.7	12	13.6	15.4	17.4	19.7
	Condensing	(°F)	118	122	126	131	136	141

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60HZ R-404A

Ambient	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	14727	22682	31365	40682	50520	60810
	Power Input	(W)	5010	6422	7881	9469	11259	13317
	Amps	(A)	11.3	13	14.8	17	19.4	22.2
	Condensing	(°F)	106	110	114	119	125	130
100	Refrig. Capacity	(Btu/h)	11241	18767	26883	35521	44621	54192
	Power Input	(W)	4602	6161	7734	9410	11267	13373
	Amps	(A)	10.9	12.6	14.6	16.8	19.3	22.1
	Condensing	(°F)	115	119	123	128	133	138
115	Refrig. Capacity	(Btu/h)	5954	12806	20054	27686	35732	44372
	Power Input	(W)	3689	5524	7323	9179	11178	13391
	Amps	(A)	9.99	11.9	14	16.4	19	21.9
	Condensing	(°F)	129	132	136	140	145	150



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Return gas temp. : 65 °F
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50HZ R-448A*

Ambient	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	9339	14907	21791	30033	39619	50476
	Power Input	(W)	3473	4377	5364	6458	7683	9067
	Amps	(A)	9.79	11	12.4	14	15.8	17.9
	Condensing	(°F)	102	106	110	114	119	125
100	Refrig. Capacity	(Btu/h)	7723	12890	19268	26929	35898	46151
	Power Input	(W)	3345	4292	5321	6456	7720	9140
	Amps	(A)	9.62	10.9	12.4	14	15.9	18
	Condensing	(°F)	110	114	118	122	127	132
115	Refrig. Capacity	(Btu/h)		10049	15738	22591	30687	40075
	Power Input	(W)		4100	5203	6409	7741	9223
	Amps	(A)		10.7	12.2	14	16	18.2
	Condensing	(°F)		126	130	134	139	143

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60HZ R-448A*

Ambient	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	9024	16088	24482	34245	45383	57876
	Power Input	(W)	4163	5566	6981	8489	10163	12074
	Amps	(A)	9.94	11.6	13.4	15.4	17.7	20.3
	Condensing	(°F)	111	115	118	123	127	133
100	Refrig. Capacity	(Btu/h)	6513	13163	21080	30327	40938	52934
	Power Input	(W)	3710	5271	6816	8425	10174	12138
	Amps	(A)	9.47	11.2	13.1	15.3	17.7	20.3
	Condensing	(°F)	120	123	127	131	136	141
115	Refrig. Capacity	(Btu/h)		8939	16165	24665	34521	45819
	Power Input	(W)		4560	6352	8164	10073	12154
	Amps	(A)		10.4	12.5	14.8	17.3	20.1
	Condensing	(°F)		136	140	144	148	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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Return gas temp. : 65 °F
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50HZ R-449A*

Ambient	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	9341	14911	21797	30043	39634	50501
	Power Input	(W)	3473	4377	5364	6458	7683	9067
	Amps	(A)	9.79	11	12.4	14	15.8	17.9
	Condensing	(°F)	102	106	110	114	119	125
100	Refrig. Capacity	(Btu/h)	7725	12893	19273	26939	35913	46176
	Power Input	(W)	3345	4292	5321	6456	7720	9140
	Amps	(A)	9.62	10.9	12.4	14	15.9	18
	Condensing	(°F)	110	114	118	122	127	132
115	Refrig. Capacity	(Btu/h)		10052	15744	22601	30704	40103
	Power Input	(W)		4100	5203	6409	7741	9223
	Amps	(A)		10.7	12.2	14	16	18.2
	Condensing	(°F)		126	130	134	139	143

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60HZ R-449A*

Ambient	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	9026	16093	24490	34258	45404	57910
	Power Input	(W)	4163	5566	6981	8489	10163	12074
	Amps	(A)	9.94	11.6	13.4	15.4	17.7	20.3
	Condensing	(°F)	111	115	118	123	127	133
100	Refrig. Capacity	(Btu/h)	6514	13167	21088	30340	40960	52970
	Power Input	(W)	3710	5271	6816	8425	10174	12138
	Amps	(A)	9.47	11.2	13.1	15.3	17.7	20.3
	Condensing	(°F)	120	123	127	131	136	141
115	Refrig. Capacity	(Btu/h)		8943	16173	24680	34547	45863
	Power Input	(W)		4560	6352	8164	10073	12154
	Amps	(A)		10.4	12.5	14.8	17.3	20.1
	Condensing	(°F)		136	140	144	148	152

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