

Condensing unit

3H86330219

HBP

R-452A / R-404A

Voltage Code : TZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)	
		Watts	BTU/h
R-452A	50HZ / 60HZ	11862 / 13245	40448 / 45165
R-404A	50HZ / 60HZ	12544 / 13692	42776 / 46690
R-448A	50HZ / 60HZ	11037 / 12395	37637 / 42266
R-449A	50HZ / 60HZ	11042 / 12400	37652 / 42284

(*) 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)	43 (109)

Mechanical

Fan Qty	2
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Electrical

Current RLA 50Hz (A)	13.5
Current RLA 60Hz (A)	14.9

Dimensions

Weight	108 kg (238 lb)
Length	615 mm (24.2 in)
Width	1060 mm (41.7 in)
Height	555 mm (21.9 in)



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TAGT4581ZHR-TZ

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)	29197	36581	44411	52564	60944	69571
	Power Input	(W)	4996	5687	6420	7216	8091	9059
	Amps	(A)	10.5	11.4	12.4	13.5	14.7	16.1
	Condensing	(°F)	106	109	114	119	124	129
100	Refrig. Capacity	(Btu/h)	26325	33301	40613	48161	55881	63846
	Power Input	(W)	5031	5770	6540	7366	8264	9252
	Amps	(A)	10.6	11.5	12.5	13.7	15	16.4
	Condensing	(°F)	114	117	121	126	131	136
115	Refrig. Capacity	(Btu/h)	21830	28220	34790	41492	48328	55518
	Power Input	(W)	5015	5844	6685	7565	8506	9528
	Amps	(A)	10.7	11.6	12.7	13.9	15.3	16.7
	Condensing	(°F)	126	129	132	136	141	145

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60HZ R-452A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	32662	40900	49513	58423	67599	77165
	Power Input	(W)	6323	7245	8233	9315	10515	11853
	Amps	(A)	11.7	12.8	14.1	15.5	17.1	18.8
	Condensing	(°F)	111	115	119	124	129	134
100	Refrig. Capacity	(Btu/h)	29292	37078	45101	53318	61741	70589
	Power Input	(W)	6347	7335	8372	9493	10724	12087
	Amps	(A)	11.8	13	14.3	15.7	17.4	19.1
	Condensing	(°F)	120	123	127	131	136	141
115	Refrig. Capacity	(Btu/h)	23990	31102	38276	45532	53002	61247
	Power Input	(W)	6264	7382	8518	9715	11004	12414
	Amps	(A)	11.8	13.1	14.5	16	17.7	19.5
	Condensing	(°F)	132	135	138	142	146	150



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TAGT4581ZHR-TZ

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-404A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	31780	39006	46623	54460	62343	70157
	Power Input	(W)	4937	5636	6369	7154	8008	8944
	Amps	(A)	11	11.8	12.8	13.9	15.1	16.5
	Condensing	(°F)	104	109	113	118	123	129
100	Refrig. Capacity	(Btu/h)	28823	35543	42539	49671	56810	63918
	Power Input	(W)	4988	5731	6501	7315	8191	9143
	Amps	(A)	11.1	12	13	14.1	15.3	16.7
	Condensing	(°F)	112	116	121	126	130	136
115	Refrig. Capacity	(Btu/h)	24288	30259	36339	42445	48532	54733
	Power Input	(W)	5004	5829	6666	7533	8449	9432
	Amps	(A)	11.2	12.1	13.2	14.4	15.7	17.1
	Condensing	(°F)	125	128	132	137	141	146

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60HZ R-404A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	34544	42561	50878	59368	67908	76478
	Power Input	(W)	6632	7564	8553	9623	10798	12097
	Amps	(A)	12.1	13.3	14.6	16	17.5	19.2
	Condensing	(°F)	110	114	118	123	128	134
100	Refrig. Capacity	(Btu/h)	31084	38536	46148	53830	61521	69322
	Power Input	(W)	6680	7672	8709	9817	11019	12339
	Amps	(A)	12.2	13.4	14.8	16.2	17.8	19.5
	Condensing	(°F)	118	122	126	131	136	141
115	Refrig. Capacity	(Btu/h)	25747	32341	38903	45418	51958	58946
	Power Input	(W)	6650	7756	8885	10065	11323	12684
	Amps	(A)	12.4	13.6	15	16.5	18.1	19.9
	Condensing	(°F)	131	134	138	142	146	151



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TAGT4581ZHR-TZ

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-448A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	26116	33597	41870	50869	60477	70537
	Power Input	(W)	4738	5412	6126	6901	7755	8711
	Amps	(A)	10.1	10.9	11.9	13	14.2	15.6
	Condensing	(°F)	108	112	116	121	126	131
100	Refrig. Capacity	(Btu/h)	23654	30740	38530	46980	56004	65478
	Power Input	(W)	4774	5500	6259	7071	7957	8939
	Amps	(A)	10.2	11	12.1	13.2	14.5	15.9
	Condensing	(°F)	116	120	124	128	133	138
115	Refrig. Capacity	(Btu/h)	19920	26435	33522	41173	49346	57976
	Power Input	(W)	4758	5578	6418	7299	8243	9273
	Amps	(A)	10.2	11.2	12.3	13.5	14.9	16.4
	Condensing	(°F)	128	132	135	139	143	148

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60HZ R-448A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	29309	37750	46980	56981	67684	78986
	Power Input	(W)	6012	6913	7879	8937	10115	11444
	Amps	(A)	11.2	12.4	13.6	15	16.6	18.3
	Condensing	(°F)	114	117	121	126	130	136
100	Refrig. Capacity	(Btu/h)	26452	34468	43167	52556	62598	73231
	Power Input	(W)	6032	7005	8033	9142	10363	11726
	Amps	(A)	11.3	12.5	13.8	15.2	16.9	18.6
	Condensing	(°F)	122	126	129	133	138	143
115	Refrig. Capacity	(Btu/h)	22137	29511	37417	45902	54978	64658
	Power Input	(W)	5935	7046	8190	9397	10698	12126
	Amps	(A)	11.4	12.6	14.1	15.6	17.3	19.1
	Condensing	(°F)	135	138	141	144	148	153

* 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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TAGT4581ZHR-TZ

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-449A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	26124	33609	41887	50894	60515	70598
	Power Input	(W)	4738	5412	6126	6901	7755	8711
	Amps	(A)	10.1	10.9	11.9	13	14.2	15.6
	Condensing	(°F)	108	112	116	121	126	131
100	Refrig. Capacity	(Btu/h)	23662	30751	38547	47006	56043	65541
	Power Input	(W)	4774	5500	6259	7071	7957	8939
	Amps	(A)	10.2	11	12.1	13.2	14.5	15.9
	Condensing	(°F)	116	120	124	128	133	138
115	Refrig. Capacity	(Btu/h)	19929	26447	33540	41201	49388	58045
	Power Input	(W)	4758	5578	6418	7299	8243	9273
	Amps	(A)	10.2	11.2	12.3	13.5	14.9	16.4
	Condensing	(°F)	128	132	135	139	143	148

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60HZ R-449A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	29319	37765	47002	57013	67733	79063
	Power Input	(W)	6012	6913	7879	8937	10115	11444
	Amps	(A)	11.2	12.4	13.6	15	16.6	18.3
	Condensing	(°F)	114	117	121	126	130	136
100	Refrig. Capacity	(Btu/h)	26462	34483	43189	52590	62649	73312
	Power Input	(W)	6032	7005	8033	9142	10363	11726
	Amps	(A)	11.3	12.5	13.8	15.2	16.9	18.6
	Condensing	(°F)	122	126	129	133	138	143
115	Refrig. Capacity	(Btu/h)	22148	29527	37442	45939	55036	64754
	Power Input	(W)	5935	7046	8190	9397	10698	12126
	Amps	(A)	11.4	12.6	14.1	15.6	17.3	19.1
	Condensing	(°F)	135	138	141	144	148	153

* Due to very high discharge temperature especially on LBP conditions, please strictly refer to Tecumseh Guidelines & Marketing Bulletin when using this refrigerant.