

Condensing unit

3J44131722

HBP

R-452A / R-404A

Voltage Code : TZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)	
		Watts	BTU/h
R-452A	50HZ / 60HZ	3056 / 3249	10422 / 11079
R-404A	50HZ / 60HZ	3274 / 3327	11164 / 11346
R-448A	50HZ / 60HZ	2922 / 3260	9963 / 11118
R-449A	50HZ / 60HZ	2922 / 3261	9966 / 11121

(*) 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	1
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Electrical

Current RLA 50Hz (A)	4.63
Current RLA 60Hz (A)	4.97

Dimensions

Weight	46 kg (101 lb)
Length	607 mm (23.9 in)
Width	576 mm (22.7 in)
Height	540 mm (21.3 in)



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TAJT4519ZHR-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)	7541	9426	11448	13558	15676	17686
	Power Input	(W)	1376	1548	1730	1927	2146	2394
	Amps	(A)	3.31	3.54	3.81	4.11	4.46	4.87
	Condensing	(°F)	109	112	116	120	125	131
100	Refrig. Capacity	(Btu/h)	6760	8506	10365	12301	14249	16117
	Power Input	(W)	1409	1595	1792	2003	2233	2492
	Amps	(A)	3.35	3.61	3.91	4.23	4.6	5.02
	Condensing	(°F)	117	120	124	128	132	137
115	Refrig. Capacity	(Btu/h)	5552	7093	8713	10394	12099	13768
	Power Input	(W)	1440	1653	1876	2110	2362	2637
	Amps	(A)	3.43	3.73	4.06	4.42	4.82	5.26
	Condensing	(°F)	130	133	136	139	143	147

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60HZ R-452A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	7988	10026	12150	14330	16502	18571
	Power Input	(W)	1627	1864	2098	2341	2604	2898
	Amps	(A)	3.3	3.61	3.94	4.3	4.69	5.13
	Condensing	(°F)	115	118	121	125	130	135
100	Refrig. Capacity	(Btu/h)	7016	8912	10862	12847	14822	16713
	Power Input	(W)	1638	1900	2154	2411	2683	2980
	Amps	(A)	3.32	3.64	3.99	4.36	4.77	5.22
	Condensing	(°F)	125	127	130	134	138	142
115	Refrig. Capacity	(Btu/h)	5528	7203	8888	10579	12258	13886
	Power Input	(W)	1638	1941	2228	2511	2798	3102
	Amps	(A)	3.35	3.7	4.08	4.47	4.9	5.36
	Condensing	(°F)	138	141	144	146	150	153



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TAJT4519ZHR-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)	8271	10169	12181	14244	16270	18134
	Power Input	(W)	1427	1597	1777	1972	2187	2430
	Amps	(A)	3.45	3.67	3.92	4.21	4.55	4.95
	Condensing	(°F)	104	108	112	116	121	127
100	Refrig. Capacity	(Btu/h)	7434	9179	11015	12894	14747	16481
	Power Input	(W)	1468	1652	1845	2051	2277	2529
	Amps	(A)	3.5	3.75	4.02	4.34	4.7	5.1
	Condensing	(°F)	113	116	120	124	129	134
115	Refrig. Capacity	(Btu/h)	6145	7667	9245	10858	12468	14027
	Power Input	(W)	1516	1724	1940	2168	2412	2678
	Amps	(A)	3.59	3.88	4.2	4.54	4.92	5.34
	Condensing	(°F)	126	130	133	136	140	144

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60HZ R-404A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	8327	10330	12367	14395	16340	18082
	Power Input	(W)	1715	1956	2190	2431	2687	2969
	Amps	(A)	3.46	3.77	4.09	4.45	4.83	5.25
	Condensing	(°F)	115	118	121	125	130	136
100	Refrig. Capacity	(Btu/h)	7292	9148	10999	12817	14543	16079
	Power Input	(W)	1732	1998	2253	2508	2773	3059
	Amps	(A)	3.49	3.81	4.16	4.52	4.92	5.35
	Condensing	(°F)	124	127	130	134	138	143
115	Refrig. Capacity	(Btu/h)	5712	7345	8918	10424	11828	13064
	Power Input	(W)	1739	2048	2338	2619	2901	3194
	Amps	(A)	3.54	3.89	4.26	4.65	5.06	5.5
	Condensing	(°F)	138	140	143	147	150	154



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TAJT4519ZHR-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)	6979	8920	11051	13347	15758	18211
	Power Input	(W)	1299	1465	1644	1840	2059	2312
	Amps	(A)	3.13	3.36	3.63	3.93	4.29	4.7
	Condensing	(°F)	108	112	115	120	125	130
100	Refrig. Capacity	(Btu/h)	6286	8107	10098	12240	14498	16817
	Power Input	(W)	1334	1515	1709	1920	2155	2421
	Amps	(A)	3.18	3.44	3.73	4.06	4.44	4.88
	Condensing	(°F)	117	120	124	128	132	137
115	Refrig. Capacity	(Btu/h)	5230	6883	8672	10593	12633	14760
	Power Input	(W)	1367	1576	1799	2038	2298	2585
	Amps	(A)	3.27	3.57	3.91	4.28	4.69	5.16
	Condensing	(°F)	130	133	136	140	144	148

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60HZ R-448A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	7841	9984	12292	14749	17315	19921
	Power Input	(W)	1528	1748	1972	2209	2470	2765
	Amps	(A)	3.13	3.42	3.74	4.09	4.48	4.92
	Condensing	(°F)	110	113	117	121	126	132
100	Refrig. Capacity	(Btu/h)	6977	9012	11185	13494	15917	18407
	Power Input	(W)	1548	1793	2038	2291	2563	2863
	Amps	(A)	3.16	3.46	3.8	4.18	4.59	5.04
	Condensing	(°F)	119	122	126	130	134	139
115	Refrig. Capacity	(Btu/h)	5664	7541	9518	11613	13829	16154
	Power Input	(W)	1556	1845	2127	2409	2701	3012
	Amps	(A)	3.2	3.54	3.91	4.31	4.75	5.22
	Condensing	(°F)	133	136	139	142	145	149

* 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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TAJT4519ZHR-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)	6981	8922	11055	13352	15764	18220
	Power Input	(W)	1299	1465	1644	1840	2059	2312
	Amps	(A)	3.13	3.36	3.63	3.93	4.29	4.7
	Condensing	(°F)	108	112	115	120	125	130
100	Refrig. Capacity	(Btu/h)	6287	8110	10101	12245	14505	16827
	Power Input	(W)	1334	1515	1709	1920	2155	2421
	Amps	(A)	3.18	3.44	3.73	4.06	4.44	4.88
	Condensing	(°F)	117	120	124	128	132	137
115	Refrig. Capacity	(Btu/h)	5232	6886	8676	10599	12640	14772
	Power Input	(W)	1367	1576	1799	2038	2298	2585
	Amps	(A)	3.27	3.57	3.91	4.28	4.69	5.16
	Condensing	(°F)	130	133	136	140	144	148

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60HZ R-449A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	7842	9987	12295	14754	17323	19932
	Power Input	(W)	1528	1748	1972	2209	2470	2765
	Amps	(A)	3.13	3.42	3.74	4.09	4.48	4.92
	Condensing	(°F)	110	113	117	121	126	132
100	Refrig. Capacity	(Btu/h)	6979	9015	11188	13499	15925	18419
	Power Input	(W)	1548	1793	2038	2291	2563	2863
	Amps	(A)	3.16	3.46	3.8	4.18	4.59	5.04
	Condensing	(°F)	119	122	126	130	134	139
115	Refrig. Capacity	(Btu/h)	5666	7544	9522	11619	13839	16169
	Power Input	(W)	1556	1845	2127	2409	2701	3012
	Amps	(A)	3.2	3.54	3.91	4.31	4.75	5.22
	Condensing	(°F)	133	136	139	142	145	149

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