



tecumseh

WINAJ2446Z-TZ

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

Condensing unit

HWN2446Z-TZ0F6HA

LBP

R-452A / R-404A

Voltage Code : TZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)	
		Watts	BTU/h
R-452A	50HZ / 60HZ	1138 / 1307	3881 / 4456
R-404A	50HZ / 60HZ	1223 / 1690	4171 / 5764
R-448A	50HZ / 60HZ	1012 / 1165	3452 / 3973
R-449A	50HZ / 60HZ	1013 / 1165	3453 / 3974

(*) Operating conditions ARI_90F : Dew / T°Ambient 90°F / T°Evap -10°F / T°Return gas temp. 65°F / T°Subcooling 5°F



*Non-contractual picture

General

Condensing Unit Type	OUTDOOR
Family Condensing Unit	Wintsys
Design Ambient Temp °C (°F)	+43°C / +110°F
Evaporating Temp. Range	-40°C to -25.6°C (-40°F to -14°F)

Mechanical

Fan Diameter	360 mm
Fan Qty	1
Fan Technology	AC/PSC Technology
Condenser Technology	Fin and Tube
Condensing Unit IP	IPX4

Electrical

Current RLA 50Hz (A)	1.8
Current RLA 60Hz (A)	2.1

Dimensions

Weight	65.7 kg (145 lb)
Length	940 mm (37 in)
Width	655 mm (25.8 in)
Height	710 mm (28 in)
Ø Suction Tube	1/2 in (12.7mm)
Ø Discharge Tube	3/8 in (9.52mm)

Certificates



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)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	1469	2134	2934	3881	4987	6264
	Power Input	(W)	507	615	729	851	981	1119
	Amps	(A)	1.32	1.43	1.57	1.73	1.92	2.12
	Condensing	(°F)	97	99.4	102	104	107	110
100	Refrig. Capacity	(Btu/h)	1234	1838	2555	3398	4377	5503
	Power Input	(W)	492	609	734	867	1009	1161
	Amps	(A)	1.3	1.43	1.58	1.76	1.95	2.17
	Condensing	(°F)	106	109	112	115	118	121
115	Refrig. Capacity	(Btu/h)	904	1414	2008	2696	3486	4388
	Power Input	(W)	457	587	727	877	1038	1211
	Amps	(A)	1.26	1.41	1.58	1.78	2	2.24
	Condensing	(°F)	121	124	127	130	134	137

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60HZ R-452A

Ambient	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	1717	2475	3385	4456	5697	7114
	Power Input	(W)	592	721	861	1014	1184	1373
	Amps	(A)	1.3	1.44	1.61	1.81	2.03	2.29
	Condensing	(°F)	98.7	101	104	107	111	114
100	Refrig. Capacity	(Btu/h)	1473	2167	2993	3960	5075	6346
	Power Input	(W)	574	713	863	1027	1207	1408
	Amps	(A)	1.28	1.44	1.62	1.83	2.06	2.33
	Condensing	(°F)	108	111	114	117	120	124
115	Refrig. Capacity	(Btu/h)	1125	1718	2414	3220	4145	5195
	Power Input	(W)	536	690	855	1034	1231	1448
	Amps	(A)	1.24	1.41	1.62	1.84	2.09	2.37
	Condensing	(°F)	121	124	127	131	134	138



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Conditions DEW

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

50HZ R-404A

Ambient	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	1650	2357	3196	4171	5288	6549
	Power Input	(W)	544	659	779	904	1035	1173
	Amps	(A)	1.4	1.52	1.67	1.83	2.01	2.22
	Condensing	(°F)	95.9	98.3	101	103	106	109
100	Refrig. Capacity	(Btu/h)	1397	2037	2787	3650	4631	5732
	Power Input	(W)	533	656	786	923	1068	1221
	Amps	(A)	1.39	1.53	1.68	1.86	2.06	2.28
	Condensing	(°F)	105	108	111	114	117	120
115	Refrig. Capacity	(Btu/h)	1037	1578	2197	2897	3680	4548
	Power Input	(W)	504	640	785	940	1104	1280
	Amps	(A)	1.36	1.52	1.69	1.89	2.11	2.36
	Condensing	(°F)	120	123	126	129	132	136

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60HZ R-404A

Ambient	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	2156	3122	4316	5764	7494	9533
	Power Input	(W)	643	772	902	1036	1174	1317
	Amps	(A)	1.39	1.53	1.68	1.85	2.04	2.24
	Condensing	(°F)	97.7	100	103	106	110	113
100	Refrig. Capacity	(Btu/h)	1862	2754	3853	5186	6781	8668
	Power Input	(W)	634	774	917	1064	1216	1374
	Amps	(A)	1.38	1.54	1.7	1.89	2.09	2.31
	Condensing	(°F)	107	109	112	116	119	122
115	Refrig. Capacity	(Btu/h)	1432	2209	3163	4322	5716	7376
	Power Input	(W)	606	764	927	1094	1268	1449
	Amps	(A)	1.36	1.53	1.73	1.93	2.16	2.4
	Condensing	(°F)	120	123	126	129	133	137



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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)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	1118	1743	2517	3452	4562	5858
	Power Input	(W)	471	581	695	815	941	1074
	Amps	(A)	1.24	1.36	1.51	1.67	1.84	2.04
	Condensing	(°F)	99.5	102	104	107	110	113
100	Refrig. Capacity	(Btu/h)	931	1498	2196	3040	4040	5208
	Power Input	(W)	458	576	701	832	970	1117
	Amps	(A)	1.22	1.36	1.52	1.69	1.88	2.1
	Condensing	(°F)	109	112	114	117	120	123
115	Refrig. Capacity	(Btu/h)		1161	1757	2474	3323	4314
	Power Input	(W)		557	697	845	1003	1171
	Amps	(A)		1.35	1.53	1.72	1.93	2.17
	Condensing	(°F)		126	129	133	136	139

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60HZ R-448A*

Ambient	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	1310	2026	2909	3973	5228	6683
	Power Input	(W)	550	681	820	971	1136	1317
	Amps	(A)	1.22	1.37	1.54	1.74	1.95	2.2
	Condensing	(°F)	101	104	107	110	113	117
100	Refrig. Capacity	(Btu/h)	1115	1771	2579	3552	4701	6036
	Power Input	(W)	535	675	824	985	1161	1353
	Amps	(A)	1.21	1.37	1.56	1.76	1.99	2.24
	Condensing	(°F)	110	113	116	119	123	126
115	Refrig. Capacity	(Btu/h)		1415	2116	2959	3956	5117
	Power Input	(W)		654	818	996	1188	1399
	Amps	(A)		1.35	1.56	1.78	2.03	2.3
	Condensing	(°F)		127	130	133	137	140

* 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
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50HZ R-449A*

Ambient	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	1118	1744	2517	3453	4563	5860
	Power Input	(W)	471	581	695	815	941	1074
	Amps	(A)	1.24	1.36	1.51	1.67	1.84	2.04
	Condensing	(°F)	99.5	102	104	107	110	113
100	Refrig. Capacity	(Btu/h)	931	1498	2197	3040	4041	5210
	Power Input	(W)	458	576	701	832	970	1117
	Amps	(A)	1.22	1.36	1.52	1.69	1.88	2.1
	Condensing	(°F)	109	112	114	117	120	123
115	Refrig. Capacity	(Btu/h)		1161	1758	2475	3324	4316
	Power Input	(W)		557	697	845	1003	1171
	Amps	(A)		1.35	1.53	1.72	1.93	2.17
	Condensing	(°F)		126	129	133	136	139

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60HZ R-449A*

Ambient	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	1310	2026	2910	3974	5229	6685
	Power Input	(W)	550	681	820	971	1136	1317
	Amps	(A)	1.22	1.37	1.54	1.74	1.95	2.2
	Condensing	(°F)	101	104	107	110	113	117
100	Refrig. Capacity	(Btu/h)	1116	1771	2580	3553	4703	6038
	Power Input	(W)	535	675	824	985	1161	1353
	Amps	(A)	1.21	1.37	1.56	1.76	1.99	2.24
	Condensing	(°F)	110	113	116	119	123	126
115	Refrig. Capacity	(Btu/h)		1415	2116	2960	3958	5119
	Power Input	(W)		654	818	996	1188	1399
	Amps	(A)		1.35	1.56	1.78	2.03	2.3
	Condensing	(°F)		127	130	133	137	140

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