



tecumseh

WINAJ9513Z-FZ

220 - 240V 1~ 50 Hz

Condensing unit

HWN9513Z-FZ0F6HA

M-HBP

R-404A / R-448A / R-449A / R-452A

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)	
		Watts	BTU/h
R-452A	50HZ	2298	7835
R-404A	50HZ	2391	8155
R-448A	50HZ	2122	7234
R-449A	50HZ	2122	7236

(*) Operating conditions ARI_90F : Dew / T°Ambient 90°F / T°Evap 20°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	-25°C to 15°C (-13°F to 59°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)	7.1
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Dimensions

Weight	65.3 kg (144 lb)
Length	940 mm (37 in)
Width	655 mm (25.8 in)
Height	710 mm (28 in)
Ø Suction Tube	5/8 in (15.9mm)
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)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	5554	7031	8679	10485	12437	14519
	Power Input	(W)	881	991	1105	1224	1349	1482
	Amps	(A)	4.47	4.93	5.43	5.98	6.58	7.23
	Condensing	(°F)	102	105	109	113	116	120
100	Refrig. Capacity	(Btu/h)	4960	6315	7813	9444	11199	13064
	Power Input	(W)	900	1022	1148	1278	1415	1559
	Amps	(A)	4.53	5.06	5.62	6.22	6.87	7.56
	Condensing	(°F)	110	114	117	121	125	128
115	Refrig. Capacity	(Btu/h)	4054	5229	6506	7878	9341	10888
	Power Input	(W)	915	1057	1202	1352	1507	1669
	Amps	(A)	4.59	5.2	5.85	6.54	7.26	8.03
	Condensing	(°F)	124	127	130	133	137	140

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50HZ R-404A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	5880	7358	8988	10753	12635	14613
	Power Input	(W)	921	1031	1144	1260	1381	1509
	Amps	(A)	4.68	5.14	5.63	6.17	6.74	7.36
	Condensing	(°F)	100	104	108	111	115	119
100	Refrig. Capacity	(Btu/h)	5254	6604	8078	9662	11338	13093
	Power Input	(W)	944	1066	1190	1317	1449	1587
	Amps	(A)	4.76	5.28	5.83	6.41	7.04	7.71
	Condensing	(°F)	109	113	116	120	123	127
115	Refrig. Capacity	(Btu/h)	4307	5471	6716	8032	9409	10839
	Power Input	(W)	965	1107	1250	1396	1545	1700
	Amps	(A)	4.84	5.45	6.08	6.75	7.45	8.19
	Condensing	(°F)	123	126	129	132	136	139



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220 - 240V 1~ 50 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)	4975	6432	8087	9939	11988	14231
	Power Input	(W)	836	945	1059	1179	1306	1440
	Amps	(A)	4.23	4.69	5.2	5.75	6.36	7.01
	Condensing	(°F)	104	108	111	115	119	123
100	Refrig. Capacity	(Btu/h)	4449	5801	7327	9031	10912	12970
	Power Input	(W)	855	976	1102	1235	1374	1521
	Amps	(A)	4.3	4.82	5.38	6	6.66	7.37
	Condensing	(°F)	113	116	120	123	127	131
115	Refrig. Capacity	(Btu/h)	3655	4856	6197	7684	9319	11107
	Power Input	(W)	869	1011	1158	1311	1471	1639
	Amps	(A)	4.36	4.97	5.63	6.33	7.08	7.88
	Condensing	(°F)	126	129	132	136	139	143

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50HZ R-449A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	4976	6433	8089	9943	11993	14237
	Power Input	(W)	836	945	1059	1179	1306	1440
	Amps	(A)	4.23	4.69	5.2	5.75	6.36	7.01
	Condensing	(°F)	104	108	111	115	119	123
100	Refrig. Capacity	(Btu/h)	4450	5802	7330	9035	10917	12977
	Power Input	(W)	855	976	1102	1235	1374	1521
	Amps	(A)	4.3	4.82	5.38	6	6.66	7.37
	Condensing	(°F)	113	116	120	123	127	131
115	Refrig. Capacity	(Btu/h)	3656	4858	6200	7688	9325	11115
	Power Input	(W)	869	1011	1158	1311	1471	1639
	Amps	(A)	4.36	4.97	5.63	6.33	7.08	7.88
	Condensing	(°F)	126	129	132	136	139	143

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