



tecumseh

WINAJ9480Z-FZ

220 - 240V 1~ 50 Hz

Condensing unit

HWN9480Z-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	1497	5105
R-404A	50HZ	1558	5313
R-448A	50HZ	1382	4712
R-449A	50HZ	1382	4713

(*) 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)	4.7
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Dimensions

Weight	63.5 kg (140 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)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	3634	4582	5660	6866	8198	9651
	Power Input	(W)	642	705	768	832	898	965
	Amps	(A)	3.04	3.32	3.6	3.89	4.19	4.5
	Condensing	(°F)	99.5	102	105	108	111	115
100	Refrig. Capacity	(Btu/h)	3271	4148	5137	6240	7456	8783
	Power Input	(W)	657	727	797	869	942	1016
	Amps	(A)	3.09	3.41	3.73	4.06	4.39	4.73
	Condensing	(°F)	109	111	113	116	119	122
115	Refrig. Capacity	(Btu/h)	2721	3492	4350	5299	6344	7483
	Power Input	(W)	672	754	836	920	1005	1091
	Amps	(A)	3.13	3.52	3.91	4.29	4.67	5.07
	Condensing	(°F)	122	124	126	129	131	134

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50HZ R-404A

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	3842	4793	5862	7048	8343	9739
	Power Input	(W)	671	733	795	856	918	981
	Amps	(A)	3.17	3.45	3.72	4	4.28	4.58
	Condensing	(°F)	98.5	101	104	107	110	113
100	Refrig. Capacity	(Btu/h)	3460	4335	5311	6389	7563	8827
	Power Input	(W)	687	757	826	895	964	1034
	Amps	(A)	3.23	3.55	3.86	4.18	4.49	4.82
	Condensing	(°F)	108	110	112	115	118	121
115	Refrig. Capacity	(Btu/h)	2883	3647	4487	5405	6400	7472
	Power Input	(W)	706	787	868	948	1029	1111
	Amps	(A)	3.3	3.68	4.05	4.42	4.79	5.16
	Condensing	(°F)	121	123	125	128	130	133



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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)	3260	4193	5267	6489	7864	9393
	Power Input	(W)	610	672	736	801	867	935
	Amps	(A)	2.88	3.16	3.44	3.74	4.04	4.36
	Condensing	(°F)	102	105	107	110	114	117
100	Refrig. Capacity	(Btu/h)	2940	3811	4809	5942	7217	8639
	Power Input	(W)	624	694	765	838	912	989
	Amps	(A)	2.93	3.25	3.58	3.91	4.25	4.6
	Condensing	(°F)	111	113	116	119	122	125
115	Refrig. Capacity	(Btu/h)	2462	3243	4130	5133	6262	7524
	Power Input	(W)	640	722	806	891	979	1069
	Amps	(A)	2.98	3.37	3.76	4.15	4.55	4.96
	Condensing	(°F)	125	127	129	131	134	137

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50HZ R-449A*

Ambient	Evaporating	(°F)	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	3261	4194	5269	6491	7866	9397
	Power Input	(W)	610	672	736	801	867	935
	Amps	(A)	2.88	3.16	3.44	3.74	4.04	4.36
	Condensing	(°F)	102	105	107	110	114	117
100	Refrig. Capacity	(Btu/h)	2941	3812	4810	5944	7220	8642
	Power Input	(W)	624	694	765	838	912	989
	Amps	(A)	2.93	3.25	3.58	3.91	4.25	4.6
	Condensing	(°F)	111	113	116	119	122	125
115	Refrig. Capacity	(Btu/h)	2462	3245	4131	5135	6265	7529
	Power Input	(W)	640	722	806	891	979	1069
	Amps	(A)	2.98	3.37	3.76	4.15	4.55	4.96
	Condensing	(°F)	125	127	129	131	134	137

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