



# Tecumseh

Condensing unit  
Voltage Code : FZ

## WINAJ9513Z-FZ

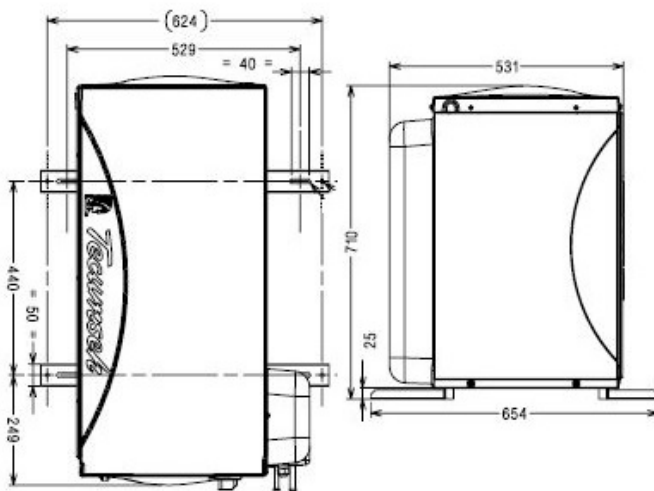
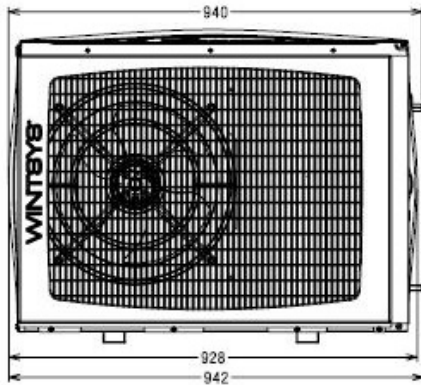
High Temp. Commercial (MHP)

220 - 240V 1~ 50 Hz

R452A / R404A / R448A / R449A

WINAJ9513Z-FZ

Conditions	Frequency	Nominal Cooling Capacity		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
EN13215 / R452A	50 Hz	2042	6965	61 dBA
EN13215 / R404A	50 Hz	2143	7309	61 dBA
EN13215 / R448A	50 Hz	1861	6346	61 dBA
EN13215 / R449A	50 Hz	1862	6349	61 dBA



\* EN13215 : T°Ambient 32.0°C / T°Evap. -10.0°C / T°Return gas temp.. 20.0°C  
T°Subcooling. 3.0K

<b>Net Weight (Kg)</b>	65.0
<b>Expansion device</b>	Expansion_Valve
<b>Air Flow (m³/h)</b>	1650
<b>Compo Data Sheet</b>	224JT-FZ
<b>Elec Comp Type</b>	CSR
<b>Current (Amp)</b>	
Load Rated Amp	7
Max Cont Current	11.8
Lock Rotor Amp	33
<b>Fan</b>	
Speed (rpm)	546
Power (W)	65.0
Diameter (mm)	360
Protection	Overload
IP Level	IP44
<b>Condenser</b>	360/14100
<b>Liquid Receiver</b>	
Capacity (L)	1.5
Maximum Pressure (Bars)	32.0
<b>Suction Line</b>	
Suction Type	Tube / Tube
For Tubing Out Diam	15.9 (5/8")
Suction Connection Type	Brased
<b>Liquid Line</b>	
Liquid Line Type	Tube
For Tubing Out Diam	9.5 (3/8")
Liquid Connecton Type	Brased
<b>Connection Type</b>	TT
<b>Fan Guard</b>	maille < à 8mm

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**Tecumseh**

<b>WINAJ9513Z-FZ</b>	<b>Tension FZ : 220 - 240V 1~ 50 Hz</b>
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Les performances sont données dans les <b>conditions EN13215</b> :	Gaz aspirés :	20.0 °C
Condition Dew	Sous refroidissement :	3.0 K
The performance data are in <b>EN13215 conditions</b> :	Return gas :	20.0 °C
Dew Condition	Subcooling :	3.0 K

<b>50 Hz R452A</b>											
											<b>N°6451</b>
5   T ambience	6   T évaporation	(°C)	<b>-25</b>	<b>-20</b>	<b>-15</b>	<b>-10</b>	<b>-5</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>15</b>
<b>25</b>	1   P frigorifique	(Watt)	1162	1488	1869	2302	2785	3315	3890	4504	5156
	2   P absorbée	(W)	681	765	849	936	1025	1118	1217	1321	1432
	3   I absorbée	(A)	3.74	4.03	4.35	4.70	5.08	5.50	5.96	6.47	7.02
	4   Tc	(°C)	24.7	26.5	28.4	30.3	32.3	34.3	36.4	38.6	40.8
<b>32</b>	1   P frigorifique	(Watt)	997	1301	1650	2042	2477	2951	3461	4006	4583
	2   P absorbée	(W)	687	783	880	979	1080	1186	1296	1412	1535
	3   I absorbée	(A)	3.72	4.08	4.46	4.88	5.32	5.80	6.32	6.88	7.49
	4   Tc	(°C)	31.2	32.9	34.7	36.5	38.4	40.4	42.4	44.5	46.6
<b>43</b>	1   P frigorifique	(Watt)	731	1001	1302	1632	1991	2378	2791	3229	3694
	2   P absorbée	(W)	673	792	912	1033	1156	1283	1414	1550	1694
	3   I absorbée	(A)	3.61	4.08	4.57	5.09	5.64	6.22	6.83	7.48	8.17
	4   Tc	(°C)	41.6	43.1	44.8	46.5	48.2	50.0	51.9	53.8	55.8

<b>50 Hz R404A</b>											
											<b>N°6367</b>
5   T ambience	6   T évaporation	(°C)	<b>-25</b>	<b>-20</b>	<b>-15</b>	<b>-10</b>	<b>-5</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>15</b>
<b>25</b>	1   P frigorifique	(Watt)	1260	1593	1980	2417	2901	3426	3990	4586	5212
	2   P absorbée	(W)	716	801	886	972	1061	1153	1248	1348	1454
	3   I absorbée	(A)	3.95	4.23	4.54	4.88	5.26	5.67	6.12	6.60	7.13
	4   Tc	(°C)	27.6	29.4	31.3	33.2	35.1	37.1	39.2	41.3	43.4
<b>32</b>	1   P frigorifique	(Watt)	1086	1396	1749	2143	2575	3042	3539	4063	4611
	2   P absorbée	(W)	726	823	920	1019	1119	1223	1330	1441	1558
	3   I absorbée	(A)	3.94	4.29	4.68	5.08	5.52	5.99	6.49	7.03	7.61
	4   Tc	(°C)	34.1	35.7	37.5	39.2	41.1	43.0	44.9	46.9	49.0
<b>43</b>	1   P frigorifique	(Watt)	806	1081	1384	1713	2066	2442	2837	3249	3679
	2   P absorbée	(W)	719	840	960	1080	1202	1326	1453	1584	1720
	3   I absorbée	(A)	3.86	4.33	4.82	5.33	5.87	6.44	7.03	7.65	8.31
	4   Tc	(°C)	44.2	45.7	47.2	48.8	50.5	52.2	54.0	55.8	57.7

**1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = ambient temperature 6 = evaporating temperature**

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<b>WINAJ9513Z-FZ</b>	<b>Tension FZ : 220 - 240V 1~ 50 Hz</b>
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Les performances sont données dans les <b>conditions EN13215</b> :	Gaz aspirés :	20.0 °C
Condition Dew	Sous refroidissement :	3.0 K
The performance data are in <b>EN13215 conditions</b> :	Return gas :	20.0 °C
Dew Condition	Subcooling :	3.0 K

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**50 Hz R448A (\*)**

**N°7025**

5   T ambience	6   T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
<b>25</b>	1   P frigorifique	(Watt)	989	1302	1669	2091	2568	3099	3683	4321	5010
	2   P absorbée	(W)	641	721	804	889	978	1072	1170	1275	1386
	3   I absorbée	(A)	3.51	3.79	4.11	4.46	4.84	5.27	5.73	6.24	6.79
	4   Tc	(°C)	24.9	26.8	28.7	30.6	32.6	34.7	36.8	39.0	41.3
<b>32</b>	1   P frigorifique	(Watt)		1136	1475	1861	2295	2777	3307	3885	4510
	2   P absorbée	(W)		741	835	932	1034	1140	1251	1369	1493
	3   I absorbée	(A)		3.85	4.22	4.64	5.09	5.57	6.10	6.66	7.27
	4   Tc	(°C)		33.3	35.1	36.9	38.8	40.8	42.8	44.9	47.1
<b>43</b>	1   P frigorifique	(Watt)			1168	1501	1871	2279	2725	3212	3739
	2   P absorbée	(W)			867	987	1111	1240	1374	1515	1662
	3   I absorbée	(A)			4.34	4.86	5.42	6.01	6.63	7.30	8.01
	4   Tc	(°C)			45.2	46.9	48.7	50.5	52.4	54.3	56.3

**50 Hz R449A (\*)**

**N°6423**

5   T ambience	6   T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
<b>25</b>	1   P frigorifique	(Watt)	989	1302	1670	2092	2569	3100	3685	4323	5013
	2   P absorbée	(W)	641	721	804	889	978	1072	1170	1275	1386
	3   I absorbée	(A)	3.51	3.79	4.11	4.46	4.84	5.27	5.73	6.24	6.79
	4   Tc	(°C)	25.0	26.8	28.7	30.6	32.7	34.7	36.8	39.0	41.3
<b>32</b>	1   P frigorifique	(Watt)		1137	1476	1862	2296	2779	3309	3887	4513
	2   P absorbée	(W)		741	835	932	1034	1140	1251	1369	1493
	3   I absorbée	(A)		3.85	4.22	4.64	5.09	5.57	6.10	6.66	7.27
	4   Tc	(°C)		33.3	35.1	36.9	38.8	40.8	42.8	44.9	47.0
<b>43</b>	1   P frigorifique	(Watt)			1169	1502	1872	2280	2727	3214	3741
	2   P absorbée	(W)			867	987	1111	1240	1374	1515	1662
	3   I absorbée	(A)			4.34	4.86	5.42	6.01	6.63	7.30	8.01
	4   Tc	(°C)			45.2	46.9	48.6	50.4	52.3	54.2	56.2

**1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = ambient temperature 6 = evaporating temperature**

(\*) Veuillez vous référer strictement aux Recommandations d'Utilisation et Bulletins Marketing Tecumseh du fait de la température de reflux élevée pour les applications LBP.

(\*) 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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