



# Tecumseh

Condensing unit  
Voltage Code : FZ

## WINAE4450Z-FZ

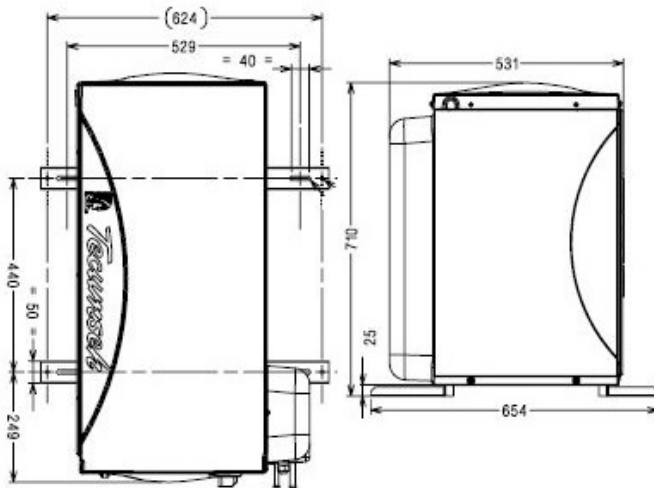
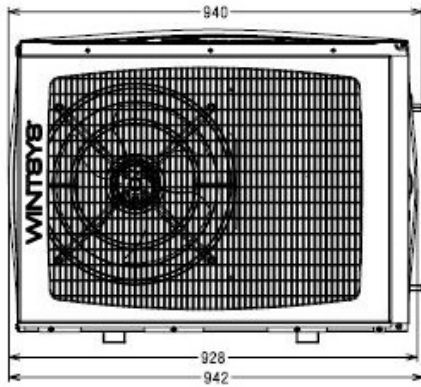
High Temp. Commercial (HP)

220 - 240V 1~ 50 Hz

R452A / R404A / R448A / R449A

## WINAE4450Z-FZ

Conditions	Frequency	Nominal Cooling Capacity		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
EN13215 / R452A	50 Hz	830	2831	58 dBA
EN13215 / R404A	50 Hz	870	2965	58 dBA
EN13215 / R448A	50 Hz	758	2586	58 dBA
EN13215 / R449A	50 Hz	759	2587	58 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>	53.0
<b>Expansion device</b>	Expansion_Valve
<b>Air Flow (m³/h)</b>	1650
<b>Compo Data Sheet</b>	22BGS-FZ
<b>Elec Comp Type</b>	CSIR
<b>Current (Amp)</b>	
Load Rated Amp	3.7
Max Cont Current	5.6
Lock Rotor Amp	18.5
<b>Fan</b>	
Speed (rpm)	830
Power (W)	65.0
Diameter (mm)	360
Protection	Overload
IP Level	IP44
<b>Condenser</b>	360/11500
<b>Liquid Receiver</b>	
Capacity (L)	0.75
Maximum Pressure (Bars)	32.0
<b>Suction Line</b>	
Suction Type	Tube / Tube
For Tubing Out Diam	9.5 (3/8")
Suction Connection Type	Braided
<b>Liquid Line</b>	
Liquid Line Type	Tube
For Tubing Out Diam	6.35 (1/4")
Liquid Connecton Type	Braided
<b>Connection Type</b>	TT
<b>Fan Guard</b>	maille < à 8mm

Note : Tecumseh reserves the right to change information contained in this document without notification.



**Tecumseh**

<b>WINAE4450Z-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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<b>50 Hz R452A</b>											
											<b>N°6425</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)	459	591	745	923	1128	1359	1619	1908	2225
	2   P absorbée	(W)	348	381	411	437	462	485	507	530	552
	3   I absorbée	(A)	2.52	2.61	2.70	2.79	2.88	2.96	3.05	3.14	3.24
	4   Tc	(°C)	25.4	25.9	26.5	27.2	28.0	28.9	29.9	31.0	32.2
<b>32</b>	1   P frigorifique	(Watt)		526	668	830	1014	1221	1452	1708	1988
	2   P absorbée	(W)		394	431	464	495	525	553	582	610
	3   I absorbée	(A)		2.62	2.75	2.87	2.99	3.10	3.22	3.35	3.48
	4   Tc	(°C)		32.8	33.3	34.0	34.8	35.7	36.6	37.7	38.9
<b>43</b>	1   P frigorifique	(Watt)			541	678	830	999	1185	1389	1612
	2   P absorbée	(W)			454	500	543	584	625	665	705
	3   I absorbée	(A)			2.81	2.98	3.15	3.32	3.49	3.67	3.85
	4   Tc	(°C)			44.2	44.9	45.6	46.4	47.4	48.5	49.7

<b>50 Hz R404A</b>											
											<b>N°6361</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)	497	631	788	968	1174	1406	1664	1949	2261
	2   P absorbée	(W)	364	397	426	452	476	498	519	539	559
	3   I absorbée	(A)	2.65	2.74	2.82	2.90	2.98	3.06	3.13	3.21	3.30
	4   Tc	(°C)	28.4	28.8	29.4	30.1	30.9	31.8	32.8	33.9	35.1
<b>32</b>	1   P frigorifique	(Watt)	436	562	706	870	1054	1260	1488	1738	2011
	2   P absorbée	(W)	372	412	448	481	511	539	566	592	618
	3   I absorbée	(A)	2.63	2.76	2.87	2.98	3.09	3.20	3.31	3.42	3.53
	4   Tc	(°C)	35.2	35.6	36.1	36.8	37.5	38.4	39.4	40.4	41.6
<b>43</b>	1   P frigorifique	(Watt)			573	710	860	1026	1206	1403	1616
	2   P absorbée	(W)			475	520	562	601	639	677	714
	3   I absorbée	(A)			2.95	3.11	3.27	3.43	3.59	3.75	3.91
	4   Tc	(°C)			46.7	47.3	48.0	48.8	49.7	50.8	51.9

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

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**Tecumseh**

<b>WINAE4450Z-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 R448A (*)</b>											
											<b>N°7004</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)	393	519	668	841	1041	1269	1527	1816	2137
	2   P absorbée	(W)	331	362	391	418	444	467	490	512	534
	3   I absorbée	(A)	2.36	2.46	2.55	2.64	2.74	2.83	2.92	3.02	3.11
	4   Tc	(°C)	25.7	26.2	26.8	27.5	28.3	29.2	30.2	31.4	32.6
<b>32</b>	1   P frigorifique	(Watt)		461	600	758	940	1146	1379	1640	1929
	2   P absorbée	(W)		375	411	444	476	506	535	564	592
	3   I absorbée	(A)		2.48	2.60	2.72	2.85	2.97	3.09	3.22	3.35
	4   Tc	(°C)		33.2	33.7	34.4	35.2	36.0	37.0	38.2	39.4
<b>43</b>	1   P frigorifique	(Watt)			488	626	780	953	1147	1363	1603
	2   P absorbée	(W)			435	480	524	566	608	649	691
	3   I absorbée	(A)			2.68	2.85	3.03	3.20	3.38	3.56	3.75
	4   Tc	(°C)			44.7	45.3	46.1	46.9	47.9	49.0	50.1

<b>50 Hz R449A (*)</b>											
											<b>N°6397</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)	393	520	668	841	1041	1269	1528	1817	2139
	2   P absorbée	(W)	331	362	391	418	444	467	490	512	534
	3   I absorbée	(A)	2.36	2.46	2.55	2.64	2.74	2.83	2.92	3.02	3.11
	4   Tc	(°C)	25.7	26.2	26.8	27.5	28.3	29.2	30.2	31.4	32.6
<b>32</b>	1   P frigorifique	(Watt)		462	600	759	940	1147	1380	1640	1930
	2   P absorbée	(W)		375	411	444	476	506	535	564	592
	3   I absorbée	(A)		2.48	2.60	2.72	2.85	2.97	3.09	3.22	3.35
	4   Tc	(°C)		33.2	33.7	34.4	35.2	36.1	37.0	38.2	39.4
<b>43</b>	1   P frigorifique	(Watt)			489	626	780	953	1147	1364	1603
	2   P absorbée	(W)			435	480	524	566	608	649	691
	3   I absorbée	(A)			2.68	2.85	3.03	3.20	3.38	3.56	3.75
	4   Tc	(°C)			44.7	45.3	46.1	46.9	47.9	48.9	50.1

**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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