



tecumseh

AE4460Z-FZ1C

220 - 240V 1~ 50 Hz

Compressor

CBP/HBP (M-HBP)

R-404A

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-452A	50HZ	1314	4482	
R-404A	50HZ	1266	4317	
R-448A	50HZ	1408	4802	
R-449A	50HZ	1405	4790	

(*) Operating conditions EN12900 : Dew / T°Cond. 50°C / T°Evap 5°C / T°Return gas temp. 20°C / T°Subcooling 0K



*Non-contractual picture

Dimensions

Weight	11.7 kg (26 lb)
Length	198 mm (7.8 in)
Width	161 mm (6.3 in)
Height	207 mm (8.2 in)
Ø Suction Tube	3/8 in (9.52mm)
Ø Discharge Tube	1/4 in (6.35mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	10.3
Horse Power	1/2
Compressor Cooling	Fan
Evaporating Temp. Range	-15°C to 15°C (5°F to 59°F)
Expansion Device	Capil. Tube/Expans. Valve
Oil Type	P.O.E 32
Oil Charge (cc)	366

Electrical

Motor Type	CSIR
Main Winding (Ohm)	4.09
Start Winding (Ohm)	20.81
Current RLA 50Hz (A)	3.96
Current LRA (A)	18
Start Capacitor	64-77 µF / 330 V
Overload	B165-140-033
- Time Check	6.5-16.0s / 16.5 A
- Open Temp / Close Temp	140 °C / 52 °C
Current Relay	QL2-10.0 B3
- Pick Up / Drop Out	10 A / 8.1 A

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



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AE4460Z-FZ1C

220 - 240V 1~ 50 Hz

Performances are given at rating conditions EN12900
Conditions DEW

Return gas temp. : 20 °C
Subcooling : 0 K

50HZ R-452A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	554	707	884	1088	1322	1589	1892	2233	2616
	Power Input (W)	346	382	416	447	475	498	515	526	530
	Amps (A)	2.79	2.89	2.99	3.09	3.18	3.25	3.31	3.35	3.36
40	Refrig. Capacity (Watt)		599	752	927	1127	1355	1613	1904	2230
	Power Input (W)		410	449	487	521	553	579	600	615
	Amps (A)		2.97	3.1	3.23	3.35	3.46	3.57	3.65	3.71
50	Refrig. Capacity (Watt)			612	756	919	1104	1314	1552	1818
	Power Input (W)			484	531	575	617	655	688	716
	Amps (A)			3.2	3.37	3.53	3.7	3.85	3.99	4.12
60	Refrig. Capacity (Watt)				590	713	853	1011	1191	1393
	Power Input (W)				570	627	682	734	782	825
	Amps (A)				3.51	3.73	3.95	4.17	4.37	4.57

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50HZ R-404A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	383	496	630	789	975	1192	1443	1732	2062
	Power Input (W)	313	353	395	438	481	521	557	587	611
	Amps (A)	2.99	2.96	3.02	3.14	3.28	3.41	3.49	3.5	3.41
40	Refrig. Capacity (Watt)	349	462	594	746	924	1129	1365	1635	1941
	Power Input (W)	339	380	426	473	522	569	615	656	692
	Amps (A)	3.08	3.04	3.11	3.24	3.41	3.59	3.74	3.83	3.83
50	Refrig. Capacity (Watt)		417	544	690	857	1048	1266	1514	1792
	Power Input (W)		402	454	509	566	624	682	737	788
	Amps (A)		3.13	3.21	3.37	3.58	3.81	4.04	4.22	4.33
60	Refrig. Capacity (Watt)			476	611	764	936	1131	1350	1593
	Power Input (W)			473	539	608	680	752	823	892
	Amps (A)			3.24	3.44	3.7	4	4.31	4.59	4.81



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AE4460Z-FZ1C

220 - 240V 1~ 50 Hz

Performances are given at rating conditions EN12900
Conditions DEW

Return gas temp. : 20 °C
Subcooling : 0 K

50HZ R-448A*

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	582	742	928	1143	1389	1670	1989	2350	2754
	Power Input (W)	333	367	400	430	456	478	495	505	509
	Amps (A)	2.76	2.86	2.96	3.06	3.15	3.22	3.28	3.31	3.33
40	Refrig. Capacity (Watt)		633	795	980	1192	1434	1709	2018	2366
	Power Input (W)		393	431	467	501	531	556	576	590
	Amps (A)		2.94	3.07	3.19	3.31	3.43	3.53	3.61	3.68
50	Refrig. Capacity (Watt)			654	808	983	1182	1408	1665	1953
	Power Input (W)			465	510	552	592	629	661	688
	Amps (A)			3.16	3.33	3.5	3.66	3.81	3.95	4.07
60	Refrig. Capacity (Watt)				643	778	932	1107	1307	1533
	Power Input (W)				547	602	654	704	751	793
	Amps (A)				3.47	3.69	3.91	4.12	4.33	4.52

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50HZ R-449A*

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	581	741	927	1141	1387	1667	1986	2346	2749
	Power Input (W)	333	367	400	430	456	478	495	505	509
	Amps (A)	2.76	2.86	2.96	3.06	3.15	3.22	3.28	3.31	3.33
40	Refrig. Capacity (Watt)		631	793	978	1190	1431	1705	2014	2361
	Power Input (W)		393	431	467	501	531	556	576	590
	Amps (A)		2.94	3.07	3.19	3.31	3.43	3.53	3.61	3.68
50	Refrig. Capacity (Watt)			653	806	980	1179	1405	1660	1948
	Power Input (W)			465	510	552	592	629	661	688
	Amps (A)			3.16	3.33	3.5	3.66	3.81	3.95	4.07
60	Refrig. Capacity (Watt)				641	776	929	1104	1303	1528
	Power Input (W)				547	602	654	704	751	793
	Amps (A)				3.47	3.69	3.91	4.12	4.33	4.52

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