



tecumseh

AE4430Y-FZ1A

220 - 240V 1~ 50 Hz

Compressor

CBP/HBP (M-HBP)

R-134a

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-134a	50HZ	685	2335	
R-513A	50HZ	695	2371	

(*) 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	9.7 kg (21 lb)
Length	251 mm (9.9 in)
Width	161 mm (6.3 in)
Height	196 mm (7.7 in)
Ø Suction Tube	1/4 in (6.35mm)
Ø Discharge Tube	3/16 in (4.76mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	8.02
Horse Power	1/4
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)	265

Electrical

Motor Type	CSIR
Main Winding (Ohm)	8.58
Start Winding (Ohm)	53.44
Current RLA 50Hz (A)	2.13
Current LRA (A)	11.5
Start Capacitor	47-56 µF / 250 V
Overload	B80-120F-033
- Time Check	6.5-16.0s / 8 A
- Open Temp / Close Temp	120 °C / 52 °C
Current Relay	QL2-5.8 B3
- Pick Up / Drop Out	5.8 A / 4.95 A

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



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AE4430Y-FZ1A

220 - 240V 1~ 50 Hz

Performances are given at rating conditions EN12900
Conditions DEW

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

50HZ R-134a

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	234	276	345	437	549	677	818	968	1125
	Power Input (W)	173	188	204	218	231	242	250	254	253
	Amps (A)	1.74	1.76	1.79	1.82	1.85	1.88	1.9	1.91	1.9
40	Refrig. Capacity (Watt)	169	208	275	366	477	604	745	896	1053
	Power Input (W)	177	195	213	232	250	267	282	294	302
	Amps (A)	1.75	1.77	1.81	1.84	1.89	1.93	1.97	2.01	2.04
50	Refrig. Capacity (Watt)		198	254	335	435	553	685	827	975
	Power Input (W)		200	222	245	268	291	313	333	350
	Amps (A)		1.78	1.82	1.87	1.93	1.99	2.06	2.12	2.19
60	Refrig. Capacity (Watt)			229	291	373	472	586	710	841
	Power Input (W)			227	255	284	313	342	370	396
	Amps (A)			1.83	1.89	1.96	2.05	2.14	2.24	2.34

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50HZ R-513A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	179	259	348	448	563	699	857	1044	1261
	Power Input (W)	172	195	216	235	252	268	281	293	303
	Amps (A)	1.73	1.78	1.83	1.88	1.92	1.97	2.01	2.04	2.08
40	Refrig. Capacity (Watt)	158	241	328	424	533	659	805	975	1173
	Power Input (W)	178	203	227	249	270	290	309	326	342
	Amps (A)	1.75	1.8	1.85	1.91	1.96	2.01	2.07	2.12	2.18
50	Refrig. Capacity (Watt)		190	271	359	456	567	695	844	1018
	Power Input (W)		211	238	265	291	316	340	364	386
	Amps (A)		1.82	1.88	1.95	2.02	2.09	2.17	2.25	2.33
60	Refrig. Capacity (Watt)			223	296	377	469	575	698	842
	Power Input (W)			246	277	309	340	371	401	432
	Amps (A)			1.89	1.98	2.08	2.18	2.28	2.4	2.51