



tecumseh

AE4450Y-FZ1C

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	1165	3973	
R-513A	50HZ	1174	4003	

(*) 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	251 mm (9.9 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)	13.2
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)	4.75
Start Winding (Ohm)	18.24
Current RLA 50Hz (A)	3.23
Current LRA (A)	17
Start Capacitor	88-108 µF / 250 V
Overload	B125-135-033
- Time Check	6.5-16.0s / 12.5 A
- Open Temp / Close Temp	135 °C / 52 °C
Current Relay	QL2-8.6
- Pick Up / Drop Out	8.6 A / 7 A

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



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AE4450Y-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-134a

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	376	496	639	810	1015	1259	1548	1887	2281
	Power Input (W)	245	272	302	333	364	395	425	453	478
	Amps (A)	2.16	2.22	2.3	2.4	2.5	2.61	2.73	2.83	2.94
40	Refrig. Capacity (Watt)	310	431	566	720	899	1108	1354	1640	1973
	Power Input (W)	263	293	325	359	394	429	463	496	528
	Amps (A)	2.21	2.28	2.37	2.48	2.6	2.72	2.86	2.99	3.11
50	Refrig. Capacity (Watt)		347	479	621	779	959	1165	1404	1680
	Power Input (W)		311	349	390	432	474	517	559	600
	Amps (A)		2.33	2.45	2.58	2.73	2.89	3.06	3.23	3.4
60	Refrig. Capacity (Watt)			377	512	654	809	982	1178	1403
	Power Input (W)			365	416	468	522	577	631	684
	Amps (A)			2.48	2.66	2.86	3.07	3.29	3.52	3.75

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50HZ R-513A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	397	521	680	872	1097	1354	1643	1963	2313
	Power Input (W)	246	277	311	346	383	421	459	498	536
	Amps (A)	2.11	2.19	2.3	2.42	2.55	2.7	2.87	3.05	3.24
40	Refrig. Capacity (Watt)	354	455	587	748	938	1158	1405	1679	1979
	Power Input (W)	269	301	335	372	411	451	492	533	575
	Amps (A)	2.21	2.28	2.38	2.5	2.63	2.78	2.95	3.13	3.32
50	Refrig. Capacity (Watt)		385	492	625	783	967	1174	1405	1658
	Power Input (W)		317	356	398	442	489	536	585	634
	Amps (A)		2.33	2.45	2.59	2.74	2.91	3.1	3.31	3.53
60	Refrig. Capacity (Watt)			402	508	637	787	956	1146	1353
	Power Input (W)			371	421	475	531	589	648	708
	Amps (A)			2.48	2.66	2.86	3.08	3.32	3.57	3.84