



tecumseh

AE4440Y-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	898	3064	
R-513A	50HZ	920	3136	

(*) 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	9.8 kg (22 lb)
Length	251 mm (9.9 in)
Width	161 mm (6.3 in)
Height	196 mm (7.7 in)
Ø Suction Tube	5/16 in (7.93mm)
Ø Discharge Tube	1/4 in (6.35mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	10.3
Horse Power	1/3
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)	8.29
Start Winding (Ohm)	19.16
Current RLA 50Hz (A)	2.51
Current MCC (A)	3.51
Current LRA (A)	13.5
Start Capacitor	88-108 µF / 330 V
Overload	B100-140-033
- Time Check	6.5-16.0s / 10 A
- Open Temp / Close Temp	140 °C / 52 °C
Current Relay	QL2-5.3 B3
- Pick Up / Drop Out	5.3 A / 4.5 A

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



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AE4440Y-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)	280	344	442	571	721	889	1066	1247	1426
	Power Input (W)	202	223	244	266	286	304	319	329	334
	Amps (A)	1.74	1.78	1.84	1.9	1.96	2.01	2.06	2.08	2.08
40	Refrig. Capacity (Watt)	228	281	371	492	637	801	976	1157	1338
	Power Input (W)	217	238	262	287	313	338	361	382	398
	Amps (A)	1.78	1.82	1.88	1.95	2.03	2.12	2.2	2.27	2.33
50	Refrig. Capacity (Watt)		284	355	458	587	736	898	1069	1240
	Power Input (W)		250	278	309	341	375	409	441	470
	Amps (A)		1.85	1.92	2.01	2.12	2.24	2.36	2.49	2.61
60	Refrig. Capacity (Watt)			326	402	505	629	768	917	1068
	Power Input (W)			290	327	368	412	457	502	547
	Amps (A)			1.95	2.06	2.21	2.37	2.55	2.73	2.92

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50HZ R-513A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	303	415	538	675	831	1011	1217	1455	1728
	Power Input (W)	207	240	272	303	331	358	382	404	423
	Amps (A)	1.95	2.04	2.13	2.2	2.27	2.34	2.41	2.49	2.57
40	Refrig. Capacity (Watt)	250	351	461	584	723	883	1068	1281	1526
	Power Input (W)	231	265	298	331	363	394	424	453	480
	Amps (A)	2.03	2.13	2.23	2.33	2.43	2.53	2.64	2.76	2.89
50	Refrig. Capacity (Watt)		285	383	492	615	756	920	1108	1327
	Power Input (W)		277	314	352	390	428	466	504	542
	Amps (A)		2.15	2.27	2.39	2.52	2.66	2.81	2.98	3.16
60	Refrig. Capacity (Watt)			315	410	517	640	783	948	1138
	Power Input (W)			324	369	416	464	513	562	613
	Amps (A)			2.29	2.45	2.61	2.79	2.99	3.21	3.45