



tecumseh

AE4456Y-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	1200	4091	
R-513A	50HZ	1394	4755	

(*) 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	11.5 kg (25 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)	14.5
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)	22.86
Current RLA 50Hz (A)	3.66
Current LRA (A)	17.5
Start Capacitor	64-77 µF / 330 V
Overload	MSP28APW-5587
- Time Check	6.5s - 15s / 14.00 A
- Open Temp / Close Temp	135 °C / 61 °C
Current Relay	MTRP003031
- Pick Up / Drop Out	9.15 A / 7.7 A

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



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AE4456Y-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)	304	407	531	679	853	1056	1288	1553	1854
	Power Input (W)	289	317	347	378	409	441	472	501	529
	Amps (A)	2.57	2.61	2.67	2.75	2.84	2.94	3.03	3.13	3.22
40	Refrig. Capacity (Watt)	315	418	541	685	853	1047	1268	1520	1804
	Power Input (W)	306	340	375	412	450	488	526	563	598
	Amps (A)	2.6	2.66	2.75	2.85	2.97	3.1	3.24	3.38	3.51
50	Refrig. Capacity (Watt)		383	503	643	804	989	1200	1438	1706
	Power Input (W)		354	398	444	491	539	586	633	679
	Amps (A)		2.69	2.81	2.95	3.11	3.28	3.46	3.65	3.84
60	Refrig. Capacity (Watt)			457	592	746	921	1120	1343	1594
	Power Input (W)			411	469	528	588	648	708	767
	Amps (A)			2.84	3.02	3.23	3.46	3.7	3.94	4.19

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50HZ R-513A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	395	531	719	950	1217	1510	1823	2148	2479
	Power Input (W)	219	267	317	367	417	467	516	564	611
	Amps (A)	1.93	2.23	2.46	2.66	2.83	2.98	3.14	3.3	3.49
40	Refrig. Capacity (Watt)	501	586	727	912	1134	1384	1654	1936	2224
	Power Input (W)	295	336	379	424	471	520	569	619	669
	Amps (A)	2.15	2.41	2.63	2.81	2.98	3.15	3.33	3.53	3.77
50	Refrig. Capacity (Watt)		545	639	780	958	1166	1394	1636	1883
	Power Input (W)		362	405	452	502	555	610	668	727
	Amps (A)		2.51	2.72	2.91	3.1	3.3	3.52	3.77	4.08
60	Refrig. Capacity (Watt)			537	633	769	935	1123	1324	1530
	Power Input (W)			414	468	527	591	658	730	805
	Amps (A)			2.77	2.98	3.21	3.45	3.73	4.06	4.45