



tecumseh

AE4425Y-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	568	1937	
R-513A	50HZ	371	1265	

(*) Operating conditions ARI 520-90 : Dew / T°Cond. 120°F / T°Evap 20°F / T°Evaporating 20°F / T°Superheat 32°F



*Non-contractual picture

Dimensions

Weight	9.6 kg (21 lb)
Length	251 mm (9.9 in)
Width	161 mm (6.3 in)
Height	207 mm (8.2 in)
Ø Suction Tube	1/4 in (6.35mm)
Ø Discharge Tube	3/16 in (4.76mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	6.69
Horse Power	1/5
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)	12.85
Start Winding (Ohm)	27.56
Current RLA 50Hz (A)	1.65
Current LRA (A)	10.5
Start Capacitor	64-77 µF / 250 V
Overload	MRA58200-5587
- Time Check	6.5s - 16s / 6.5 A
- Open Temp / Close Temp	135 °C / 52 °C
Current Relay	RP3638
- Pick Up / Drop Out	4.35 A / 3.7 A

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



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AE4425Y-FZ1A

220 - 240V 1~ 50 Hz

Performances are given at rating conditions ARI 520-90
Conditions DEW

Evaporating : 20 °F
Superheat : 32 °F

50HZ R-134a

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	892	1232	1658	2181	2812	3562	4442	5463
	Power Input	(W)	236	253	275	298	321	342	359	370
	Amps	(A)	2.67	2.66	2.68	2.71	2.76	2.81	2.85	2.89
105	Refrig. Capacity	(Btu/h)	749	1064	1456	1935	2511	3197	4003	4941
	Power Input	(W)	244	264	289	316	344	370	394	412
	Amps	(A)	2.68	2.67	2.7	2.74	2.8	2.86	2.93	2.99
120	Refrig. Capacity	(Btu/h)		910	1261	1690	2207	2824	3551	4399
	Power Input	(W)		272	300	332	366	399	429	455
	Amps	(A)		2.68	2.71	2.77	2.85	2.93	3.02	3.1
140	Refrig. Capacity	(Btu/h)			1026	1379	1809	2324	2937	3658
	Power Input	(W)			311	350	391	433	474	511
	Amps	(A)			2.71	2.8	2.9	3.02	3.14	3.26

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50HZ R-513A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	708	923	1185	1510	1911	2403	3000	3718
	Power Input	(W)	148	165	181	194	205	213	216	215
	Amps	(A)	1.28	1.31	1.35	1.38	1.42	1.44	1.46	1.46
105	Refrig. Capacity	(Btu/h)	463	690	955	1272	1655	2118	2676	3343
	Power Input	(W)	135	157	179	200	220	238	253	264
	Amps	(A)	1.23	1.28	1.34	1.41	1.48	1.54	1.6	1.65
120	Refrig. Capacity	(Btu/h)		546	801	1097	1449	1871	2378	2983
	Power Input	(W)		156	183	210	237	263	287	308
	Amps	(A)		1.27	1.35	1.44	1.53	1.63	1.73	1.82
140	Refrig. Capacity	(Btu/h)			625	875	1168	1516	1935	2439
	Power Input	(W)			187	219	252	286	319	352
	Amps	(A)			1.35	1.46	1.59	1.72	1.85	1.99