



tecumseh

AE2413Y-FZ1A

220 - 240V 1~ 50 Hz

Compressor

LBP

R-134a

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-134a	50HZ	175	595	
R-513A	50HZ	342	1167	

(*) Operating conditions EN12900 : Dew / T°Cond. 40°C / T°Evap -35°C / T°Return gas temp. 20°C / T°Subcooling 0K



*Non-contractual picture

Dimensions

Weight	10.7 kg (24 lb)
Length	198 mm (7.8 in)
Width	161 mm (6.3 in)
Height	207 mm (8.2 in)
Ø Suction Tube	5/16 in (7.93mm)
Ø Discharge Tube	1/4 in (6.35mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	12
Horse Power	1/4
Compressor Cooling	Fan
Evaporating Temp. Range	-40°C to -10°C (-40°F to 14°F)
Expansion Device	Capil. Tube/Expans. Valve
Oil Type	P.O.E 32
Oil Charge (cc)	366

Electrical

Motor Type	CSIR
Main Winding (Ohm)	8.23
Start Winding (Ohm)	13.41
Current RLA 50Hz (A)	1.77
Current LRA (A)	12
Start Capacitor	88-108 µF / 330 V
Overload	B78-130-033
- Time Check	6.5-16.0s / 7.8 A
- Open Temp / Close Temp	130 °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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AE2413Y-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)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	142	203	278	366	466	577	698
	Power Input (W)	151	174	200	229	262	303	351
	Amps (A)	1.47	1.52	1.58	1.66	1.76	1.9	2.08
40	Refrig. Capacity (Watt)	121	175	242	323	416	519	631
	Power Input (W)	153	179	207	239	275	318	370
	Amps (A)	1.47	1.53	1.6	1.69	1.8	1.95	2.15
50	Refrig. Capacity (Watt)		147	206	278	362	456	559
	Power Input (W)		181	213	249	290	337	393
	Amps (A)		1.53	1.61	1.72	1.85	2.02	2.24
60	Refrig. Capacity (Watt)			171	233	307	391	484
	Power Input (W)			217	259	305	358	420
	Amps (A)			1.62	1.74	1.9	2.1	2.34

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50HZ R-513A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	410	430	465	512	569	635	707
	Power Input (W)	251	246	254	274	307	351	406
	Amps (A)	1.71	1.69	1.72	1.8	1.93	2.12	2.38
40	Refrig. Capacity (Watt)	316	342	382	433	492	558	630
	Power Input (W)	249	250	263	289	327	377	438
	Amps (A)	1.71	1.71	1.76	1.86	2.01	2.23	2.5
50	Refrig. Capacity (Watt)	205	237	281	333	394	460	530
	Power Input (W)	240	246	266	298	341	397	463
	Amps (A)	1.69	1.7	1.77	1.89	2.07	2.3	2.6
60	Refrig. Capacity (Watt)		125	170	224	283	347	414
	Power Input (W)		237	262	299	348	409	481
	Amps (A)		1.67	1.76	1.9	2.1	2.36	2.68