



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	292	996	
R-513A	50HZ	337	1149	

(*) Operating conditions ARI 520-90 : Dew / T°Cond. 120°F / T°Evap -10°F / T°Return gas temp. 40°F / T°Subcooling 0°F



*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	T8011-23
- Time Check	6.5-16.0s / 7.8 A
- Open Temp / Close Temp	105 °C / 61 °C
Current Relay	RP4238
- 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 ARI 520-90
Conditions DEW

Return gas temp. : 40 °F
Subcooling : 0 °F

50HZ R-134a

Condensing	Evaporating	(°F)	-30	-20	-10	0	10
105	Refrig. Capacity	(Btu/h)	582	832	1132	1478	1862
	Power Input	(W)	183	214	251	294	347
	Amps	(A)	1.54	1.62	1.72	1.87	2.06
120	Refrig. Capacity	(Btu/h)	501	723	996	1312	1666
	Power Input	(W)	184	220	261	308	364
	Amps	(A)	1.54	1.63	1.75	1.91	2.13
140	Refrig. Capacity	(Btu/h)	401	582	813	1086	1395
	Power Input	(W)	183	226	273	328	391
	Amps	(A)	1.53	1.65	1.79	1.98	2.22

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50HZ R-513A

Condensing	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	1258	1337	1472	1653	1871	2116
	Power Input	(W)	251	248	260	288	331	387
	Amps	(A)	1.71	1.7	1.74	1.85	2.03	2.29
105	Refrig. Capacity	(Btu/h)	989	1087	1234	1422	1642	1885
	Power Input	(W)	248	251	268	301	349	411
	Amps	(A)	1.71	1.71	1.77	1.9	2.1	2.38
120	Refrig. Capacity	(Btu/h)	688	801	958	1149	1367	1605
	Power Input	(W)	241	249	272	310	363	430
	Amps	(A)	1.69	1.71	1.79	1.94	2.16	2.45
140	Refrig. Capacity	(Btu/h)		401	563	751	961	1185
	Power Input	(W)		239	269	314	374	448
	Amps	(A)		1.68	1.79	1.96	2.21	2.53