



tecumseh

AE2410Z-FZ1A

220 - 240V 1~ 50 Hz

Compressor

LBP

R-404A

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-452A	50HZ	175	595	
R-404A	50HZ	128	435	
R-448A	50HZ	165	561	
R-449A	50HZ	164	561	

(*) 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	9.7 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)	5.02
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)	265

Electrical

Motor Type	CSIR
Main Winding (Ohm)	10.361
Start Winding (Ohm)	17.976
Current RLA 50Hz (A)	1.57
Current LRA (A)	11.5
Start Capacitor	72-88 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	RP4038
- 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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AE2410Z-FZ1A

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Performances are given at rating conditions EN12900
Conditions DEW

Return gas temp. : 20 °C
Subcooling : 0 K

50HZ R-452A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	161	232	310	398	498	615	750
	Power Input (W)	124	142	160	176	192	206	219
	Amps (A)	1.34	1.36	1.39	1.42	1.46	1.5	1.55
40	Refrig. Capacity (Watt)	113	175	239	308	387	478	583
	Power Input (W)	124	145	165	185	204	221	238
	Amps (A)	1.34	1.37	1.4	1.44	1.49	1.54	1.6
50	Refrig. Capacity (Watt)			170	226	287	357	437
	Power Input (W)			169	192	215	237	258
	Amps (A)			1.41	1.46	1.52	1.58	1.66
60	Refrig. Capacity (Watt)				146	194	246	305
	Power Input (W)				190	217	244	270
	Amps (A)				1.45	1.53	1.61	1.7

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50HZ R-404A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	115	158	210	274	351	443	552
	Power Input (W)	143	157	173	188	204	219	233
	Amps (A)	1.4	1.43	1.46	1.49	1.53	1.57	1.62
40	Refrig. Capacity (Watt)	88.1	128	174	229	294	371	462
	Power Input (W)	141	159	178	197	217	235	253
	Amps (A)	1.4	1.43	1.47	1.51	1.56	1.62	1.67
50	Refrig. Capacity (Watt)		94.6	136	182	237	300	375
	Power Input (W)		158	181	205	228	252	274
	Amps (A)		1.43	1.47	1.53	1.59	1.66	1.74
60	Refrig. Capacity (Watt)			89.9	130	175	226	285
	Power Input (W)			174	202	231	260	288
	Amps (A)			1.45	1.52	1.6	1.69	1.79



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AE2410Z-FZ1A

220 - 240V 1~ 50 Hz

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Conditions DEW

Return gas temp. : 20 °C
Subcooling : 0 K

50HZ R-448A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	147	215	289	374	472	586	721
	Power Input (W)	118	135	152	167	182	196	208
	Amps (A)	1.31	1.33	1.36	1.39	1.43	1.47	1.51
40	Refrig. Capacity (Watt)		165	227	295	374	465	571
	Power Input (W)		138	157	176	194	210	226
	Amps (A)		1.34	1.37	1.41	1.46	1.51	1.56
50	Refrig. Capacity (Watt)			166	222	285	357	440
	Power Input (W)			160	183	204	225	245
	Amps (A)			1.38	1.43	1.49	1.55	1.62
60	Refrig. Capacity (Watt)				151	201	257	322
	Power Input (W)				181	207	232	257
	Amps (A)				1.42	1.49	1.58	1.67

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50HZ R-449A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	147	215	289	373	471	586	720
	Power Input (W)	118	135	152	167	182	196	208
	Amps (A)	1.31	1.33	1.36	1.39	1.43	1.47	1.51
40	Refrig. Capacity (Watt)		164	226	295	373	464	570
	Power Input (W)		138	157	176	194	210	226
	Amps (A)		1.34	1.37	1.41	1.46	1.51	1.56
50	Refrig. Capacity (Watt)			165	222	284	356	439
	Power Input (W)			160	183	204	225	245
	Amps (A)			1.38	1.43	1.49	1.55	1.62
60	Refrig. Capacity (Watt)				150	200	256	320
	Power Input (W)				181	207	232	257
	Amps (A)				1.42	1.49	1.58	1.67

* Due to very high discharge temperature especially on LBP conditions, please strictly refer to Tecumseh Guidelines & Marketing Bulletin when using this refrigerant.