AE2415Z-FZ1B

220 - 240V 1~ 50 Hz

Compressor

LBP

R-404A

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*) Watts	Nominal Cooling Capacity (*) BTU/h	Sound Power ISO3745 / ISO 3743-1
R-452A	50HZ	354	1208	
R-404A	50HZ	331	1130	
R-448A	50HZ	359	1224	
R-449A	50HZ	357	1218	

(*) 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	10.4 kg (23 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)	7.33
Horse Power	1/3
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)	9.3
Start Winding (Ohm)	15.82
Current RLA 50Hz (A)	1.9
Current LRA (A)	12.5
Start Capacitor	72-88 µF / 330 V
Overload	T4111-23
- Time Check	6.5-16.0s / 9.4 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.

AE2415Z-FZ1B

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-452A

Condensing	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	751	1117	1520	1982	2522	3156
	Power Input	(W)	157	194	226	256	285	317
	Amps	(A)	1.47	1.54	1.62	1.71	1.81	1.92
105	Refrig. Capacity	(Btu/h)	576	878	1205	1576	2009	2519
	Power Input	(W)	159	199	234	269	304	343
	Amps	(A)	1.48	1.55	1.64	1.74	1.87	2.01
120	Refrig. Capacity	(Btu/h)		657	917	1208	1547	1947
	Power Input	(W)		200	240	279	320	366
	Amps	(A)		1.56	1.66	1.78	1.92	2.1
140	Refrig. Capacity	(Btu/h)			579	780	1010	1280
	Power Input	(W)			242	288	337	392
	Amps	(A)			1.66	1.8	1.98	2.19

50HZ R-404A

Condensing	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	631	887	1182	1530	1943	2431
	Power Input	(W)	174	204	233	263	293	326
	Amps	(A)	1.53	1.6	1.68	1.77	1.88	2
105	Refrig. Capacity	(Btu/h)	526	763	1026	1328	1683	2100
	Power Input	(W)	177	209	242	276	312	352
	Amps	(A)	1.54	1.61	1.7	1.81	1.94	2.09
120	Refrig. Capacity	(Btu/h)		639	872	1130	1427	1774
	Power Input	(W)		212	248	287	329	376
	Amps	(A)		1.62	1.72	1.85	2	2.18
140	Refrig. Capacity	(Btu/h)			664	866	1089	1344
	Power Input	(W)			251	296	347	403
	Amps	(A)			1.72	1.87	2.06	2.28

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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-448A*

Condensing	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	704	1058	1453	1911	2452	3095
	Power Input	(W)	149	184	215	243	271	301
	Amps	(A)	1.44	1.51	1.58	1.67	1.77	1.88
105	Refrig. Capacity	(Btu/h)		849	1175	1551	1995	2524
	Power Input	(W)		189	223	255	289	325
	Amps	(A)		1.52	1.6	1.71	1.83	1.97
120	Refrig. Capacity	(Btu/h)		652	919	1224	1581	2008
	Power Input	(W)		190	228	265	304	348
	Amps	(A)		1.53	1.62	1.74	1.88	2.05
140	Refrig. Capacity	(Btu/h)			616	838	1097	1406
	Power Input	(W)			230	274	320	372
	Amps	(A)			1.62	1.76	1.94	2.14

50HZ R-449A*

Condensing	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	704	1056	1451	1907	2447	3086
	Power Input	(W)	149	184	215	243	271	301
	Amps	(A)	1.44	1.51	1.58	1.67	1.77	1.88
105	Refrig. Capacity	(Btu/h)	550	847	1172	1547	1989	2514
	Power Input	(W)	151	189	223	255	289	325
	Amps	(A)	1.45	1.52	1.6	1.71	1.83	1.97
120	Refrig. Capacity	(Btu/h)		650	916	1218	1574	1998
	Power Input	(W)		190	228	265	304	348
	Amps	(A)		1.53	1.62	1.74	1.88	2.05
140	Refrig. Capacity	(Btu/h)			612	833	1089	1395
	Power Input	(W)			230	274	320	372
	Amps	(A)			1.62	1.76	1.94	2.14

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