



tecumseh

FH2480Z-XC3A

220 - 240V 1~ 50 Hz

Compressor

LBP

R-452A / R-404A

Voltage Code : XC

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-452A	50HZ	1912	6521	72 dBA
R-404A	50HZ	2014	6869	
R-448A	50HZ	1841	6277	
R-449A	50HZ	1838	6268	

(*) 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	29.5 kg (65 lb)
Length	274 mm (10.8 in)
Width	288 mm (11.3 in)
Height	354 mm (13.9 in)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	54.3
Horse Power	2
Compressor Cooling	Fan
Evaporating Temp. Range	-40°C to -12.2°C (-40°F to 10°F)
Oil Type	P.O.E 32
Oil Charge (cc)	1140

Electrical

Motor Type	CSR
Main Winding (Ohm)	0.73
Start Winding (Ohm)	2.07
Current RLA 50Hz (A)	7.3
Current MCC (A)	12
Current LRA (A)	65
Start Capacitor	156-179 µF / 330 V
Run Capacitor	45 µF / 400 V
Overload	15HM1436-43
- Time Check	2.0-10s / 73 A
- Open Temp / Close Temp	120 °C / 69 °C
Potential Relay	RVA 4AL3D
- Pick Up / Drop Out	223-252 V / 60-121 V

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



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FH2480Z-XC3A

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)	3093	4879	7137	9933	13329	17390
	Power Input	(W)	896	1140	1385	1625	1852	2063
	Amps	(A)	6.34	6.77	7.25	7.76	8.32	8.93
105	Refrig. Capacity	(Btu/h)	2145	3742	5752	8238	11262	14885
	Power Input	(W)	825	1105	1391	1679	1961	2233
	Amps	(A)	6.09	6.67	7.29	7.95	8.65	9.39
120	Refrig. Capacity	(Btu/h)		2625	4366	6521	9151	12316
	Power Input	(W)		1028	1356	1692	2030	2364
	Amps	(A)		6.41	7.18	7.99	8.83	9.71
140	Refrig. Capacity	(Btu/h)			2575	4256	6327	8844
	Power Input	(W)			1237	1639	2052	2469
	Amps	(A)			6.77	7.78	8.83	9.91

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50HZ R-404A

Condensing	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	3494	5327	7625	10447	13850	17890
	Power Input	(W)	984	1239	1491	1736	1966	2176
	Amps	(A)	6.97	7.35	7.8	8.29	8.83	9.42
105	Refrig. Capacity	(Btu/h)	2516	4147	6177	8664	11663	15230
	Power Input	(W)	926	1216	1511	1805	2091	2363
	Amps	(A)	6.83	7.35	7.92	8.54	9.22	9.94
120	Refrig. Capacity	(Btu/h)		2995	4738	6869	9445	12518
	Power Input	(W)		1155	1493	1836	2178	2512
	Amps	(A)		7.21	7.91	8.67	9.47	10.3
140	Refrig. Capacity	(Btu/h)			2894	4520	6497	8873
	Power Input	(W)			1405	1814	2231	2649
	Amps	(A)			7.69	8.62	9.6	10.6



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220 - 240V 1~ 50 Hz

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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)	2685	4372	6535	9248	12584	16618
	Power Input	(W)	822	1056	1292	1524	1745	1951
	Amps	(A)	5.82	6.27	6.76	7.28	7.84	8.45
105	Refrig. Capacity	(Btu/h)		3364	5319	7774	10800	14471
	Power Input	(W)		1017	1293	1572	1848	2114
	Amps	(A)		6.14	6.78	7.45	8.15	8.89
120	Refrig. Capacity	(Btu/h)		2360	4094	6277	8979	12272
	Power Input	(W)		939	1255	1582	1912	2240
	Amps	(A)		5.86	6.65	7.47	8.32	9.2
140	Refrig. Capacity	(Btu/h)			2515	4311	6558	9324
	Power Input	(W)			1137	1528	1931	2342
	Amps	(A)			6.22	7.25	8.31	9.4

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50HZ R-449A*

Condensing	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	2682	4368	6528	9238	12571	16600
	Power Input	(W)	822	1056	1292	1524	1745	1951
	Amps	(A)	5.82	6.27	6.76	7.28	7.84	8.45
105	Refrig. Capacity	(Btu/h)	1831	3360	5313	7764	10787	14453
	Power Input	(W)	751	1017	1293	1572	1848	2114
	Amps	(A)	5.54	6.14	6.78	7.45	8.15	8.89
120	Refrig. Capacity	(Btu/h)		2357	4089	6268	8965	12253
	Power Input	(W)		939	1255	1582	1912	2240
	Amps	(A)		5.86	6.65	7.47	8.32	9.2
140	Refrig. Capacity	(Btu/h)			2510	4303	6545	9305
	Power Input	(W)			1137	1528	1931	2342
	Amps	(A)			6.22	7.25	8.31	9.4

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