



tecumseh

FH4518Y-XC3A

220 - 240V 1~ 50 Hz

Compressor

HBP

R-134a / R-513A

Voltage Code : XC

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-134a	50HZ	2140	7298	70 dBA
R-513A	50HZ	2197	7493	

(*) Operating conditions ARI 520-90 : Dew / T°Cond. 120°F / T°Evap 20°F / T°Evaporating 20°F / T°Superheat 32°F



*Non-contractual picture

Dimensions

Weight	30.3 kg (67 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)	48.5
Horse Power	1-1/4
Compressor Cooling	Fan
Evaporating Temp. Range	-15°C to 15°C (5°F to 59°F)
Oil Type	P.O.E 32
Oil Charge (cc)	1140

Electrical

Motor Type	CSR
Main Winding (Ohm)	1.95
Start Winding (Ohm)	5.51
Current RLA 50Hz (A)	6.72
Current MCC (A)	10.7
Current LRA (A)	40
Start Capacitor	88-101 µF / 330 V
Run Capacitor	35 µF / 400 V
Overload	15HM1707-43
- Time Check	2.0-10s / 37 A
- Open Temp / Close Temp	110 °C / 69 °C
Potential Relay	RVA 4G3D
- Pick Up / Drop Out	180-195 V / 40-105 V

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



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FH4518Y-XC3A

220 - 240V 1~ 50 Hz

Performances are given at rating conditions ARI 520-90
Conditions DEW

Evaporating : 20 °F
Superheat : 32 °F

50HZ R-134a

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	2756	4312	6300	8816	11960	15840	20569	26263
	Power Input	(W)	576	699	806	902	992	1082	1176	1279
	Amps	(A)	2.76	3.31	3.83	4.31	4.76	5.17	5.54	5.88
105	Refrig. Capacity	(Btu/h)	2035	3446	5207	7409	10152	13543	17693	22723
	Power Input	(W)	542	701	840	965	1079	1188	1298	1412
	Amps	(A)	2.57	3.24	3.88	4.48	5.05	5.58	6.07	6.53
120	Refrig. Capacity	(Btu/h)		2647	4226	6164	8557	11510	15135	19552
	Power Input	(W)		672	852	1013	1159	1296	1429	1563
	Amps	(A)		3.15	3.91	4.64	5.32	5.98	6.59	7.17
140	Refrig. Capacity	(Btu/h)			3036	4695	6698	9147	12152	15836
	Power Input	(W)			819	1041	1243	1431	1608	1781
	Amps	(A)			3.93	4.82	5.67	6.48	7.26	8

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50HZ R-513A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	3065	4739	6823	9398	12551	16371	20958	26412
	Power Input	(W)	640	766	871	964	1054	1152	1268	1410
	Amps	(A)	3.07	3.64	4.14	4.61	5.05	5.5	5.97	6.48
105	Refrig. Capacity	(Btu/h)	2217	3698	5531	7794	10570	13954	18042	22942
	Power Input	(W)	590	762	904	1027	1140	1252	1375	1517
	Amps	(A)	2.79	3.52	4.17	4.77	5.33	5.88	6.44	7.02
120	Refrig. Capacity	(Btu/h)		2793	4386	6348	8762	11721	15323	19680
	Power Input	(W)		717	909	1073	1220	1359	1500	1654
	Amps	(A)		3.36	4.17	4.91	5.6	6.27	6.92	7.59
140	Refrig. Capacity	(Btu/h)			3103	4684	6636	9047	12022	15674
	Power Input	(W)			855	1093	1303	1495	1680	1866
	Amps	(A)			4.1	5.05	5.94	6.77	7.58	8.38