



tecumseh

FH4525Y-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	5389	18375	70 dBA
R-513A	50HZ	5483	18698	

(*) Operating conditions EN12900 : Dew / T°Cond. 50°C / T°Evap 5°C / T°Return gas temp. 20°C / T°Subcooling 0K



*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)	63
Horse Power	1-3/4
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)	1.31
Start Winding (Ohm)	3.8
Current RLA 50Hz (A)	9.33
Current MCC (A)	14
Current LRA (A)	52
Start Capacitor	88-101 µF / 330 V
Run Capacitor	35 µF / 400 V
Overload	15HM- 2311-148
- Time Check	2.0-10s / 56 A
- Open Temp / Close Temp	120 °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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FH4525Y-XC3A

220 - 240V 1~ 50 Hz

Performances are given at rating conditions EN12900
Conditions DEW

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

50HZ R-134a

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	1456	2101	2871	3788	4870	6141	7619	9325	11282
	Power Input (W)	847	967	1081	1189	1292	1389	1483	1571	1656
	Amps (A)	4.05	4.7	5.3	5.86	6.39	6.87	7.31	7.71	8.07
40	Refrig. Capacity (Watt)	1026	1611	2297	3105	4056	5170	6469	7971	9700
	Power Input (W)	833	986	1135	1280	1420	1557	1692	1823	1951
	Amps (A)	3.77	4.6	5.38	6.13	6.83	7.5	8.12	8.71	9.25
50	Refrig. Capacity (Watt)		1164	1771	2477	3301	4265	5389	6693	8200
	Power Input (W)		966	1155	1341	1525	1707	1888	2067	2245
	Amps (A)		4.47	5.44	6.36	7.25	8.1	8.91	9.67	10.4
60	Refrig. Capacity (Watt)			1305	1914	2617	3436	4392	5504	6794
	Power Input (W)			1144	1378	1611	1843	2075	2307	2540
	Amps (A)			5.46	6.57	7.64	8.67	9.66	10.6	11.5

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50HZ R-513A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	1677	2376	3184	4116	5190	6420	7822	9413	11209
	Power Input (W)	941	1060	1170	1273	1376	1482	1596	1723	1867
	Amps (A)	4.51	5.15	5.74	6.28	6.8	7.32	7.87	8.45	9.1
40	Refrig. Capacity (Watt)	1153	1782	2504	3336	4294	5393	6650	8080	9699
	Power Input (W)	909	1072	1222	1364	1502	1643	1788	1945	2116
	Amps (A)	4.12	5	5.79	6.53	7.23	7.91	8.59	9.29	10
50	Refrig. Capacity (Watt)		1265	1888	2605	3433	4387	5483	6738	8167
	Power Input (W)		1030	1230	1421	1606	1790	1978	2174	2383
	Amps (A)		4.75	5.79	6.74	7.64	8.49	9.33	10.2	11
60	Refrig. Capacity (Watt)			1382	1970	2654	3449	4371	5437	6661
	Power Input (W)			1197	1447	1688	1927	2166	2412	2668
	Amps (A)			5.7	6.89	8.01	9.06	10.1	11.1	12.1