



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	2894	9870	70 dBA
R-513A	50HZ	2973	10137	

(*) 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)	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 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)	3747	5931	8652	12028	16184	21251	27366	34671
	Power Input	(W)	819	961	1096	1224	1346	1463	1574	1681
	Amps	(A)	3.84	4.6	5.32	5.99	6.61	7.18	7.69	8.16
105	Refrig. Capacity	(Btu/h)	2653	4639	7083	10101	13817	18362	23875	30503
	Power Input	(W)	796	969	1137	1300	1458	1612	1762	1910
	Amps	(A)	3.57	4.5	5.39	6.23	7.01	7.75	8.44	9.08
120	Refrig. Capacity	(Btu/h)		3457	5637	8310	11599	15635	20559	26522
	Power Input	(W)		949	1154	1356	1554	1750	1944	2136
	Amps	(A)		4.38	5.43	6.44	7.39	8.3	9.16	9.96
140	Refrig. Capacity	(Btu/h)			3940	6174	8915	12294	16453	21549
	Power Input	(W)			1144	1404	1662	1920	2178	2436
	Amps	(A)			5.46	6.69	7.87	9	10.1	11.1

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50HZ R-513A

Condensing	Evaporating	(°F)	-15	-5	5	15	25	35	45	55
90	Refrig. Capacity	(Btu/h)	4172	6518	9368	12821	16981	21963	27884	34871
	Power Input	(W)	909	1054	1185	1308	1430	1558	1696	1852
	Amps	(A)	4.26	5.05	5.75	6.4	7.02	7.64	8.29	9
105	Refrig. Capacity	(Btu/h)	2883	4977	7526	10626	14385	18916	24344	30800
	Power Input	(W)	867	1053	1223	1384	1540	1700	1868	2051
	Amps	(A)	3.88	4.89	5.8	6.63	7.41	8.17	8.94	9.75
120	Refrig. Capacity	(Btu/h)		3635	5848	8561	11879	15920	20812	26694
	Power Input	(W)		1014	1232	1437	1636	1835	2041	2260
	Amps	(A)		4.67	5.79	6.82	7.78	8.7	9.61	10.5
140	Refrig. Capacity	(Btu/h)			4010	6156	8834	12163	16277	21327
	Power Input	(W)			1197	1474	1741	2006	2275	2553
	Amps	(A)			5.7	7.02	8.25	9.41	10.5	11.6