



tecumseh

CAJ4518U

220 - 240V 1~ 50 Hz

Compressor

AJ4518U-FZ3C

HBP

R-290

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-290	50HZ	3880	13232	68 dBA

(*) 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	22.2 kg (49 lb)
Length	246 mm (9.7 in)
Width	178 mm (7 in)
Height	280 mm (11 in)
Ø Suction Tube	1/2 in (12.7mm)
Ø Discharge Tube	3/8 in (9.52mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	34.5
Horse Power	1
Compressor Cooling	Fan
Evaporating Temp. Range	-15°C to 15°C (5°F to 59°F)
Expansion Device	Capil. Tube/Expans. Valve
Oil Type	P.O.E 32
Oil Charge (cc)	475

Electrical

Motor Type	CSR
Main Winding (Ohm)	1.32
Start Winding (Ohm)	7.73
Current RLA 50Hz (A)	8.6
Current MCC (A)	12.9
Current LRA (A)	50
Start Capacitor	88-101 µF / 250 V
Run Capacitor	25 µF / 400 V
Overload	MST00AGZ-3290
- Time Check	2.8s - 5.2s / 35.5 A
- Open Temp / Close Temp	120 °C / 61 °C
Potential Relay	RVA 4G3D
- Pick Up / Drop Out	180-195 V / 40-105 V

Pressure Equipment Directive

Max. Ambient Temp. (°C)	+46
Max. Allowable Press. (bar)	14.7
Ambient Temp. Range (°C)	-35/+150
Leak Test pressure (bar)	16.2
Free Volume (l)	4.7

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



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Performances are given at rating conditions EN12900
Conditions DEW

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

50HZ R-290



Condensing	Evaporating	(°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity	(Watt)	1239	1705	2240	2854	3556	4356	5264	6289	7441
	Power Input	(W)	850	939	1013	1072	1116	1144	1156	1153	1134
	Amps	(A)	5.67	5.97	6.23	6.43	6.58	6.68	6.74	6.74	6.7
40	Refrig. Capacity	(Watt)		1407	1892	2442	3068	3777	4581	5488	6509
	Power Input	(W)		992	1095	1181	1253	1310	1350	1376	1385
	Amps	(A)		6.13	6.5	6.83	7.1	7.33	7.51	7.64	7.72
50	Refrig. Capacity	(Watt)			1553	2034	2575	3187	3880	4663	5546
	Power Input	(W)			1160	1277	1378	1465	1536	1591	1631
	Amps	(A)			6.75	7.2	7.6	7.95	8.25	8.51	8.71
60	Refrig. Capacity	(Watt)				1654	2105	2613	3189	3841	4579
	Power Input	(W)				1356	1490	1608	1711	1799	1871
	Amps	(A)				7.54	8.07	8.54	8.97	9.35	9.67

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