



tecumseh

CAJ2446Z

220 - 240V 1~ 50 Hz

Compressor

AJ2446Z-FZ3B

LBP

R-452A / R-404A

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-452A	50HZ	1115	3803	57 dBA
R-404A	50HZ	1203	4102	
R-448A	50HZ	989	3374	
R-449A	50HZ	993	3387	

(*) Operating conditions ASHRAE : Dew / T°Cond. 130°F / T°Evap -10°F / T°Return gas temp. 90°F / T°Subcooling 40°F



*Non-contractual picture

Dimensions

Weight	21.7 kg (48 lb)
Length	246 mm (9.7 in)
Width	218 mm (8.6 in)
Height	280 mm (11 in)
Ø Suction Tube	1/2 in (12.7mm)
Ø Discharge Tube	5/16 in (7.93mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	26.2
Horse Power	3/4
Compressor Cooling	Fan
Evaporating Temp. Range	-40°C to -12.2°C (-40°F to 10°F)
Expansion Device	Capil. Tube/Expans. Valve
Oil Type	P.O.E 32
Oil Charge (cc)	475

Electrical

Motor Type	CSR
Main Winding (Ohm)	2.94
Start Winding (Ohm)	8.83
Current RLA 50Hz (A)	4
Current MCC (A)	8.2
Current LRA (A)	29.5
Start Capacitor	88-101 µF / 330 V
Run Capacitor	15 µF / 400 V
Overload	MST18AIN-3291
- Time Check	7.5s - 14s / 20.7 A
- Open Temp / Close Temp	120 °C / 69 °C
Potential Relay	RVA 4O3D
- Pick Up / Drop Out	280-310 V / 60-121 V

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



tecumseh

CAJ2446Z

220 - 240V 1~ 50 Hz

Performances are given at rating conditions ASHRAE
Conditions DEW

Return gas temp. : 90 °F
Subcooling : 40 °F

50HZ R-452A

Condensing	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)		3113	4341	5834	7626	9756
	Power Input	(W)		571	665	759	855	954
	Amps	(A)		2.6	2.99	3.42	3.89	4.41
105	Refrig. Capacity	(Btu/h)		2607	3733	5098	6741	8700
	Power Input	(W)		568	678	791	907	1026
	Amps	(A)		2.6	3.07	3.57	4.11	4.69
120	Refrig. Capacity	(Btu/h)			3100	4325	5806	7583
	Power Input	(W)			679	810	945	1085
	Amps	(A)			3.12	3.7	4.31	4.96
140	Refrig. Capacity	(Btu/h)				3290	4539	6063
	Power Input	(W)				819	980	1147
	Amps	(A)				3.84	4.54	5.28

© 2025 Tecumseh Products Company

50HZ R-404A

Condensing	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)	2345	3418	4721	6284	8135	10306
	Power Input	(W)	514	614	714	812	910	1008
	Amps	(A)	2.42	2.8	3.21	3.66	4.14	4.65
105	Refrig. Capacity	(Btu/h)		2873	4059	5477	7158	9135
	Power Input	(W)		615	730	847	965	1085
	Amps	(A)		2.82	3.3	3.82	4.37	4.96
120	Refrig. Capacity	(Btu/h)			3384	4653	6159	7938
	Power Input	(W)			735	870	1008	1150
	Amps	(A)			3.38	3.97	4.59	5.25
140	Refrig. Capacity	(Btu/h)				3562	4837	6359
	Power Input	(W)				885	1051	1222
	Amps	(A)				4.15	4.87	5.62



Performances are given at rating conditions ASHRAE
Conditions DEW

Return gas temp. : 90 °F
Subcooling : 40 °F

50HZ R-448A*

Condensing	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)		2539	3700	5132	6868	8941
	Power Input	(W)		532	624	717	809	904
	Amps	(A)		2.42	2.81	3.23	3.68	4.17
105	Refrig. Capacity	(Btu/h)			3160	4460	6042	7941
	Power Input	(W)			642	750	860	972
	Amps	(A)			2.9	3.38	3.9	4.44
120	Refrig. Capacity	(Btu/h)				3796	5226	6952
	Power Input	(W)				773	901	1032
	Amps	(A)				3.53	4.11	4.71
140	Refrig. Capacity	(Btu/h)					4208	5710
	Power Input	(W)					943	1102
	Amps	(A)					4.37	5.07

© 2025 Tecumseh Products Company

50HZ R-449A*

Condensing	Evaporating	(°F)	-40	-30	-20	-10	0	10
90	Refrig. Capacity	(Btu/h)		2545	3709	5144	6885	8962
	Power Input	(W)		532	624	717	809	904
	Amps	(A)		2.42	2.81	3.23	3.68	4.17
105	Refrig. Capacity	(Btu/h)			3168	4472	6059	7963
	Power Input	(W)			642	750	860	972
	Amps	(A)			2.9	3.38	3.9	4.44
120	Refrig. Capacity	(Btu/h)				3809	5243	6976
	Power Input	(W)				773	901	1032
	Amps	(A)				3.53	4.11	4.71
140	Refrig. Capacity	(Btu/h)					4228	5736
	Power Input	(W)					943	1102
	Amps	(A)					4.37	5.07

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