



tecumseh

CAJ2440Z

220 - 240V 1~ 50 Hz

Compressor

AJ2440Z-FZ3C

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	436	1486	56 dBA
R-404A	50HZ	463	1577	
R-448A	50HZ	368	1254	
R-449A	50HZ	368	1254	

(*) Operating conditions EN12900 : Dew / T°Cond. 40°C / T°Evap -35°C / T°Return gas temp. 20°C / T°Subcooling 0K



*Non-contractual picture

Dimensions

Weight	21 kg (46 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	5/16 in (7.93mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	21
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)	2.8
Start Winding (Ohm)	11.6
Current RLA 50Hz (A)	3
Current MCC (A)	5.7
Current LRA (A)	27
Start Capacitor	88-101 µF / 250 V
Run Capacitor	15 µF / 400 V
Overload	MRA38111-3291
- Time Check	7.5s - 14s / 15.4 A
- Open Temp / Close Temp	105 °C / 52 °C
Potential Relay	RVA 4P3D
- Pick Up / Drop Out	300-328 V / 60-121 V

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



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CAJ2440Z

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Performances are given at rating conditions EN12900
Conditions DEW

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

50HZ R-452A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	395	562	769	1020	1322	1679	2097
	Power Input (W)	397	459	522	588	658	731	810
	Amps (A)	1.8	2.06	2.34	2.64	2.96	3.3	3.66
40	Refrig. Capacity (Watt)	292	436	613	830	1091	1402	1767
	Power Input (W)	376	451	528	610	695	786	883
	Amps (A)	1.72	2.05	2.39	2.76	3.14	3.54	3.97
50	Refrig. Capacity (Watt)			466	646	865	1128	1440
	Power Input (W)			520	616	717	825	940
	Amps (A)			2.38	2.81	3.25	3.72	4.2
60	Refrig. Capacity (Watt)				476	651	864	1121
	Power Input (W)				613	729	853	985
	Amps (A)				2.8	3.3	3.83	4.36

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50HZ R-404A

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	422	600	818	1080	1391	1754	2173
	Power Input (W)	436	503	571	641	712	786	863
	Amps (A)	1.93	2.21	2.51	2.82	3.15	3.5	3.86
40	Refrig. Capacity (Watt)	311	463	647	870	1135	1446	1807
	Power Input (W)	420	499	581	665	752	844	941
	Amps (A)	1.87	2.22	2.58	2.96	3.35	3.76	4.18
50	Refrig. Capacity (Watt)		337	489	673	892	1151	1453
	Power Input (W)		481	576	675	778	888	1004
	Amps (A)		2.16	2.59	3.03	3.48	3.95	4.44
60	Refrig. Capacity (Watt)			343	488	662	869	1114
	Power Input (W)			562	675	795	922	1057
	Amps (A)			2.53	3.04	3.55	4.09	4.64



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CAJ2440Z

220 - 240V 1~ 50 Hz

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Conditions DEW

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

50HZ R-448A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	315	475	678	928	1231	1593	2017
	Power Input (W)	363	426	490	555	622	694	769
	Amps (A)	1.64	1.91	2.19	2.49	2.8	3.13	3.48
40	Refrig. Capacity (Watt)		368	540	755	1018	1334	1707
	Power Input (W)		424	500	578	660	745	836
	Amps (A)		1.92	2.26	2.61	2.98	3.36	3.75
50	Refrig. Capacity (Watt)			418	600	824	1096	1421
	Power Input (W)			497	589	686	787	894
	Amps (A)			2.27	2.69	3.11	3.54	3.99
60	Refrig. Capacity (Watt)				468	656	888	1166
	Power Input (W)				590	702	821	945
	Amps (A)				2.69	3.18	3.68	4.19

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50HZ R-449A*

Condensing	Evaporating (°C)	-40	-35	-30	-25	-20	-15	-10
30	Refrig. Capacity (Watt)	315	475	678	928	1231	1593	2017
	Power Input (W)	363	426	490	555	622	694	769
	Amps (A)	1.64	1.91	2.19	2.49	2.8	3.13	3.48
40	Refrig. Capacity (Watt)		368	540	755	1018	1334	1707
	Power Input (W)		424	500	578	660	745	836
	Amps (A)		1.92	2.26	2.61	2.98	3.36	3.75
50	Refrig. Capacity (Watt)			418	600	824	1096	1421
	Power Input (W)			497	589	686	787	894
	Amps (A)			2.27	2.69	3.11	3.54	3.99
60	Refrig. Capacity (Watt)				468	656	888	1166
	Power Input (W)				590	702	821	945
	Amps (A)				2.69	3.18	3.68	4.19

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