



tecumseh

AE4440P-FZ1A

220 - 240V 1~ 50 Hz

Compressor

CBP/HBP (M-HBP)

R-404A / R-448A / R-449A / R-452A / R-454C / R-455A

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-452A	50HZ	855	2916	
R-404A	50HZ	836	2850	
R-448A	50HZ	892	3041	
R-449A	50HZ	889	3033	
R-454C	50HZ	729	2486	
R-455A	50HZ	802	2735	

(*) 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	10.7 kg (24 lb)
Length	251 mm (9.9 in)
Width	161 mm (6.3 in)
Height	207 mm (8.2 in)
Ø Suction Tube	3/8 in (9.52mm)
Ø Discharge Tube	1/4 in (6.35mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	6.69
Horse Power	1/3
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)	366

Electrical

Motor Type	CSIR
Main Winding (Ohm)	6.7
Start Winding (Ohm)	19.31
Current RLA 50Hz (A)	2.53
Current LRA (A)	14.5
Start Capacitor	88-108 µF / 250 V
Overload	MRA58210-5587
- Time Check	6.5-16.0s / 9.8 A
- Open Temp / Close Temp	135 °C / 52 °C
Current Relay	9660C-3018-155
- Pick Up / Drop Out	8.5 A / 7.15 A

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



tecumseh

AE4440P-FZ1A

220 - 240V 1~ 50 Hz

Performances are given at rating conditions EN12900
Conditions DEW

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

50HZ R-452A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	363	451	559	689	844	1025	1237	1479	1756
	Power Input (W)	195	232	261	283	299	308	312	309	302
	Amps (A)	2.07	2.11	2.16	2.2	2.24	2.27	2.29	2.28	2.25
40	Refrig. Capacity (Watt)		379	473	585	716	870	1048	1252	1484
	Power Input (W)		243	279	308	331	347	359	364	365
	Amps (A)		2.15	2.21	2.27	2.33	2.39	2.43	2.45	2.45
50	Refrig. Capacity (Watt)			382	475	584	710	855	1021	1210
	Power Input (W)			296	333	364	389	408	423	433
	Amps (A)			2.26	2.35	2.43	2.51	2.59	2.64	2.68
60	Refrig. Capacity (Watt)				362	448	547	659	787	932
	Power Input (W)				352	391	425	454	478	498
	Amps (A)				2.4	2.52	2.63	2.74	2.84	2.91

© 2025 Tecumseh Products Company

50HZ R-404A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	332	430	543	675	828	1008	1218	1461	1743
	Power Input (W)	242	262	280	297	310	319	323	321	312
	Amps (A)	2.12	2.17	2.21	2.26	2.3	2.33	2.34	2.34	2.31
40	Refrig. Capacity (Watt)	254	349	452	568	700	852	1029	1234	1470
	Power Input (W)	253	278	302	325	344	361	372	378	378
	Amps (A)	2.15	2.21	2.27	2.33	2.39	2.45	2.49	2.52	2.52
50	Refrig. Capacity (Watt)		264	357	458	568	693	836	1001	1192
	Power Input (W)		290	321	351	379	403	424	439	449
	Amps (A)		2.24	2.32	2.41	2.5	2.58	2.65	2.71	2.75
60	Refrig. Capacity (Watt)			258	342	430	527	637	762	907
	Power Input (W)			331	370	407	441	471	497	517
	Amps (A)			2.34	2.46	2.58	2.7	2.81	2.91	2.99



tecumseh

AE4440P-FZ1A

220 - 240V 1~ 50 Hz

Performances are given at rating conditions EN12900
Conditions DEW

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

50HZ R-448A*

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	371	461	571	704	863	1049	1265	1515	1799
	Power Input (W)	189	225	253	275	290	299	302	300	293
	Amps (A)	1.98	2.02	2.07	2.11	2.15	2.18	2.19	2.19	2.16
40	Refrig. Capacity (Watt)		390	487	602	738	896	1080	1291	1532
	Power Input (W)		236	271	299	321	337	348	353	354
	Amps (A)		2.06	2.12	2.18	2.24	2.29	2.33	2.35	2.35
50	Refrig. Capacity (Watt)			397	495	608	740	892	1066	1265
	Power Input (W)			288	323	353	377	396	410	420
	Amps (A)			2.17	2.25	2.33	2.41	2.48	2.53	2.57
60	Refrig. Capacity (Watt)				384	476	582	703	841	998
	Power Input (W)				341	379	412	440	464	483
	Amps (A)				2.3	2.41	2.52	2.63	2.72	2.79

© 2025 Tecumseh Products Company

50HZ R-449A*

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	370	460	570	703	861	1047	1263	1512	1796
	Power Input (W)	189	225	253	275	290	299	302	300	293
	Amps (A)	1.99	2.02	2.07	2.11	2.15	2.18	2.19	2.19	2.16
40	Refrig. Capacity (Watt)		389	486	601	736	894	1078	1289	1529
	Power Input (W)		236	271	299	321	337	348	353	354
	Amps (A)		2.06	2.12	2.18	2.24	2.29	2.33	2.35	2.35
50	Refrig. Capacity (Watt)			396	493	607	738	889	1063	1261
	Power Input (W)			288	323	353	377	396	410	420
	Amps (A)			2.17	2.25	2.33	2.41	2.48	2.54	2.57
60	Refrig. Capacity (Watt)				383	475	580	700	838	994
	Power Input (W)				341	379	412	440	464	483
	Amps (A)				2.3	2.41	2.52	2.63	2.72	2.79

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



tecumseh

AE4440P-FZ1A

220 - 240V 1~ 50 Hz

Performances are given at rating conditions EN12900
Conditions DEW

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

50HZ R-454C

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	242	331	429	542	673	826	1006	1216	1460
	Power Input (W)	199	214	228	241	252	260	265	264	258
	Amps (A)	2.04	2.06	2.08	2.11	2.14	2.16	2.18	2.18	2.16
40	Refrig. Capacity (Watt)		277	367	467	582	715	870	1052	1265
	Power Input (W)		229	248	265	282	297	308	315	318
	Amps (A)		2.1	2.13	2.17	2.21	2.25	2.28	2.31	2.32
50	Refrig. Capacity (Watt)			297	385	483	597	729	884	1064
	Power Input (W)			260	283	306	327	346	362	374
	Amps (A)			2.16	2.21	2.27	2.33	2.39	2.44	2.48
60	Refrig. Capacity (Watt)				298	382	476	585	712	861
	Power Input (W)				294	324	352	380	405	426
	Amps (A)				2.23	2.31	2.4	2.48	2.57	2.65

© 2025 Tecumseh Products Company

50HZ R-455A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	274	367	473	594	735	903	1100	1332	1603
	Power Input (W)	192	208	224	240	254	265	272	274	270
	Amps (A)	2.02	2.06	2.1	2.14	2.17	2.18	2.19	2.18	2.15
40	Refrig. Capacity (Watt)		317	412	520	643	787	956	1155	1387
	Power Input (W)		240	258	276	294	309	321	329	332
	Amps (A)		2.11	2.16	2.21	2.25	2.29	2.32	2.35	2.35
50	Refrig. Capacity (Watt)			335	430	537	659	802	970	1166
	Power Input (W)			277	300	324	346	365	382	394
	Amps (A)			2.19	2.26	2.32	2.39	2.45	2.51	2.55
60	Refrig. Capacity (Watt)				331	422	525	643	781	943
	Power Input (W)				309	340	371	401	429	453
	Amps (A)				2.28	2.37	2.46	2.56	2.65	2.74