



tecumseh

TC4419Y-UZ1B

230V 1~ 50 Hz / 230V 1~ 60 Hz

Compressor

CBP/HBP (M-HBP)

R-134a / R-513A

Voltage Code : UZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-134a	50HZ / 60HZ	399 / 469	1360 / 1600	
R-513A	50HZ / 60HZ	406 / 477	1384 / 1628	

(*) Operating conditions EN12900 : Dew / T°Cond. 50°C / T°Evap 5°C / T°Return gas temp. 20°C / T°Subcooling 0K



*Non-contractual picture

General

Compressor Type	Reciprocating
Displacement (cc)	4.75
Horse Power	1/6
Compressor Cooling	Fan
Evaporating Temp. Range	-15°C to 15°C (5°F to 59°F)
Expansion Device	Capillary Tube
Oil Type	P.O.E 32
Oil Charge (cc)	170

Electrical

Motor Type	CSIR
Main Winding (Ohm)	18.2
Start Winding (Ohm)	16.1
Current RLA 50Hz (A)	1.21
Current RLA 60Hz (A)	1.27
Current MCC (A)	1.94
Current LRA (A)	9
Start Capacitor	50-60 µF / 330 V
Overload	B100-130
- Time Check	6 - 16s / 10.0 A
- Open Temp / Close Temp	130 °C / 61 °C
Current Relay	QL2-5.0 B3 19F
- Pick Up / Drop Out	3 A / 2.56 A

Certificates



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



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TC4419Y-UZ1B

230V 1~ 50 Hz / 230V 1~ 60 Hz

Performances are given at rating conditions EN12900
Conditions DEW

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

50HZ R-134a

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	129	167	215	272	337	406	480	556	632
	Power Input (W)	99.9	108	116	125	133	140	147	152	156
	Amps (A)	0.9	0.91	0.92	0.94	0.96	0.99	1.02	1.05	1.08
40	Refrig. Capacity (Watt)	106	145	193	248	309	374	440	507	572
	Power Input (W)	104	113	124	134	144	155	164	173	181
	Amps (A)	0.9	0.91	0.93	0.95	0.98	1.01	1.04	1.07	1.11
50	Refrig. Capacity (Watt)		110	160	216	275	337	399	459	517
	Power Input (W)		118	129	142	154	167	180	192	203
	Amps (A)		0.92	0.94	0.97	1	1.03	1.07	1.11	1.15
60	Refrig. Capacity (Watt)			109	168	229	290	350	407	459
	Power Input (W)			135	150	165	180	196	211	226
	Amps (A)			0.96	0.99	1.03	1.07	1.12	1.17	1.22

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50HZ R-513A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	170	199	241	297	366	447	540	644	760
	Power Input (W)	113	117	124	132	141	150	159	167	173
	Amps (A)	1.15	1.07	1.03	1.03	1.04	1.07	1.1	1.11	1.11
40	Refrig. Capacity (Watt)	140	167	207	258	320	394	477	571	674
	Power Input (W)	117	123	132	142	153	164	175	185	193
	Amps (A)	1.17	1.09	1.06	1.06	1.08	1.12	1.16	1.19	1.2
50	Refrig. Capacity (Watt)		136	170	215	269	333	406	487	576
	Power Input (W)		127	138	150	163	176	189	201	212
	Amps (A)		1.1	1.07	1.08	1.11	1.16	1.21	1.25	1.28
60	Refrig. Capacity (Watt)			142	178	222	275	335	401	474
	Power Input (W)			145	160	175	190	206	220	233
	Amps (A)			1.11	1.12	1.16	1.22	1.28	1.34	1.38



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TC4419Y-UZ1B

230V 1~ 50 Hz / 230V 1~ 60 Hz

Performances are given at rating conditions EN12900
Conditions DEW

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

60HZ R-134a

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	152	196	253	320	396	478	565	654	743
	Power Input (W)	122	132	142	152	162	171	179	186	190
	Amps (A)	0.96	0.97	0.98	1	1.03	1.05	1.08	1.11	1.15
40	Refrig. Capacity (Watt)	125	171	227	292	364	440	518	596	673
	Power Input (W)	127	139	151	164	177	189	201	211	221
	Amps (A)	0.96	0.97	0.99	1.01	1.04	1.07	1.11	1.14	1.18
50	Refrig. Capacity (Watt)		129	188	254	324	396	469	540	608
	Power Input (W)		144	158	173	189	205	220	235	248
	Amps (A)		0.98	1	1.03	1.06	1.1	1.14	1.18	1.23
60	Refrig. Capacity (Watt)			128	197	269	341	412	479	540
	Power Input (W)			166	183	201	220	239	258	276
	Amps (A)			1.03	1.06	1.1	1.14	1.19	1.24	1.3

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60HZ R-513A

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	200	234	284	349	430	526	635	758	894
	Power Input (W)	138	144	151	161	172	183	194	204	212
	Amps (A)	1.2	1.12	1.08	1.08	1.1	1.12	1.15	1.17	1.16
40	Refrig. Capacity (Watt)	165	197	243	303	377	463	562	672	793
	Power Input (W)	143	151	161	173	187	200	213	226	236
	Amps (A)	1.22	1.14	1.11	1.11	1.14	1.18	1.22	1.25	1.26
50	Refrig. Capacity (Watt)		160	200	253	317	392	477	573	678
	Power Input (W)		156	168	183	199	215	231	246	259
	Amps (A)		1.15	1.12	1.13	1.17	1.22	1.27	1.32	1.35
60	Refrig. Capacity (Watt)			167	209	262	323	394	472	558
	Power Input (W)			178	195	214	233	251	269	284
	Amps (A)			1.17	1.18	1.22	1.28	1.35	1.41	1.45