

Compressor

CBP/HBP (M-HBP)

R-134a

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-134a	50HZ	810	2762	
R-513A	50HZ	582	1985	

(*) 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	9.6 kg (21 lb)
Length	251 mm (9.9 in)
Width	161 mm (6.3 in)
Height	207 mm (8.2 in)
Ø Suction Tube	1/4 in (6.35mm)
Ø Discharge Tube	3/16 in (4.76mm)

Certificates



General

Compressor Type	Reciprocating
Displacement (cc)	6.69
Horse Power	1/5
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)	265

Electrical

Motor Type	CSIR
Main Winding (Ohm)	12.85
Start Winding (Ohm)	27.56
Current RLA 50Hz (A)	1.65
Current LRA (A)	10.5
Start Capacitor	64-77 µF / 250 V
Overload	MRA58200-5587
- Time Check	6.5s - 16s / 6.5 A
- Open Temp / Close Temp	135 °C / 52 °C
Current Relay	9660C-3018-122
- Pick Up / Drop Out	4.31 A / 3.65 A

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

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)		261	346	450	575	723	896	1097	1327	1588
	Power Input (W)		236	252	271	290	310	329	344	355	361
	Amps (A)		2.67	2.66	2.67	2.7	2.74	2.78	2.82	2.85	2.88
40	Refrig. Capacity (Watt)		212	288	381	492	623	777	955	1160	1393
	Power Input (W)		247	266	288	312	337	361	383	401	415
	Amps (A)		2.67	2.67	2.7	2.73	2.78	2.84	2.9	2.95	3
50	Refrig. Capacity (Watt)			235	315	410	523	656	810	987	1190
	Power Input (W)			275	302	331	362	392	421	448	470
	Amps (A)			2.68	2.71	2.77	2.83	2.91	2.99	3.07	3.15
60	Refrig. Capacity (Watt)				255	334	427	536	664	813	983
	Power Input (W)				311	346	383	421	458	493	525
	Amps (A)				2.71	2.79	2.88	2.98	3.09	3.2	3.31

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50HZ R-513A

Condensing	Evaporating (°C)		-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)		236	290	356	436	533	651	791	957	1152
	Power Input (W)		157	171	183	193	201	206	207	205	199
	Amps (A)		1.31	1.33	1.35	1.38	1.4	1.41	1.42	1.42	1.4
40	Refrig. Capacity (Watt)		146	204	271	349	441	551	680	831	1007
	Power Input (W)		140	160	179	198	215	231	245	256	264
	Amps (A)		1.24	1.29	1.34	1.4	1.46	1.52	1.57	1.62	1.65
50	Refrig. Capacity (Watt)			155	218	289	372	469	582	715	869
	Power Input (W)			159	184	209	233	258	281	303	322
	Amps (A)			1.28	1.35	1.43	1.52	1.61	1.7	1.79	1.88
60	Refrig. Capacity (Watt)				173	234	302	382	476	585	712
	Power Input (W)				187	216	246	276	306	336	364
	Amps (A)				1.35	1.45	1.56	1.68	1.8	1.92	2.04