



tecumseh

AE4456N-FZ1C

220 - 240V 1~ 50 Hz

Compressor

CBP/HBP (M-HBP)

R-1234yf / R-134a

Voltage Code : FZ

Refrigerant	Frequency	Nominal Cooling Capacity (*)		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
R-1234yf	50HZ	1114	3800	

(*) 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)	14.5
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)	4.09
Start Winding (Ohm)	22.86
Current RLA 50Hz (A)	3.66
Current LRA (A)	17.5
Start Capacitor	64-77 µF / 250 V
Overload	MSP28APW-5587
- Time Check	6.5s - 15s / 14.00 A
- Open Temp / Close Temp	135 °C / 61 °C
Current Relay	MTRP0030/31
- Pick Up / Drop Out	9.15 A / 7.7 A

Dimensions

Weight	11.3 kg (25 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



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-1234yf

Condensing	Evaporating (°C)	-25	-20	-15	-10	-5	0	5	10	15
30	Refrig. Capacity (Watt)	461	593	726	868	1024	1199	1399	1630	1896
	Power Input (W)	335	377	414	448	479	508	534	559	583
	Amps (A)	2.7	2.79	2.88	2.98	3.08	3.17	3.26	3.35	3.43
40	Refrig. Capacity (Watt)	227	364	503	648	807	983	1183	1411	1673
	Power Input (W)	271	322	368	412	453	493	530	567	602
	Amps (A)	2.48	2.61	2.74	2.87	3.01	3.14	3.28	3.42	3.55
50	Refrig. Capacity (Watt)		336	469	608	759	926	1114	1330	1576
	Power Input (W)		335	389	440	489	537	583	628	674
	Amps (A)		2.64	2.79	2.96	3.12	3.3	3.47	3.65	3.83
60	Refrig. Capacity (Watt)			461	584	717	864	1032	1224	1444
	Power Input (W)			418	474	529	582	634	686	738
	Amps (A)			2.88	3.06	3.26	3.46	3.67	3.89	4.11