



Compressor

Voltage Code : FZ

AE4450Y-FZ1C

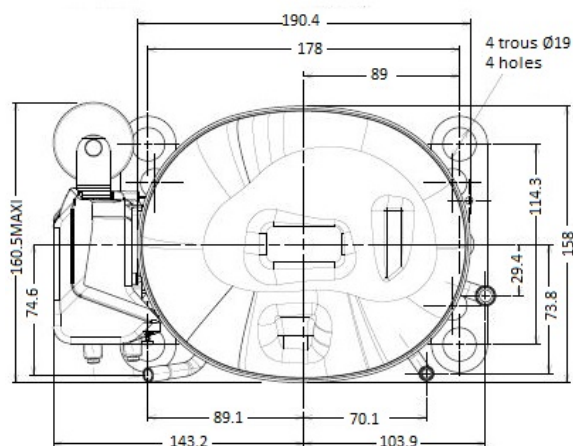
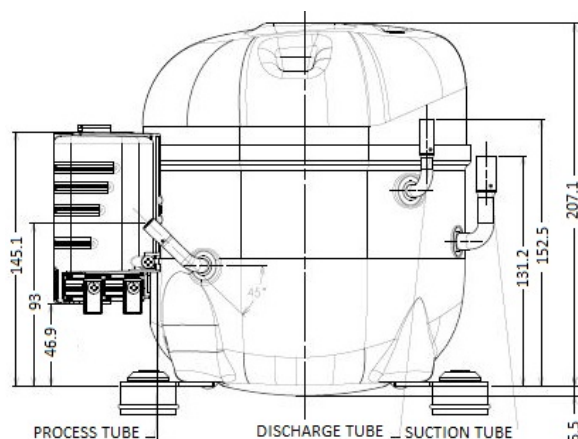
High Temp. Commercial (HP)

220 - 240V 1~ 50 Hz

R134a / R513A

AE4450Y-FZ1C

Conditions	Frequency	Nominal Cooling Capacity		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
EN12900_MHP / R134a	50 Hz	672	2292	56 dBA
EN12900_MHP / R513A	50 Hz	715	2439	56 dBA



* EN12900_MHP : T°Cond. 45.0°C / T°Evap. -10.0°C / T°Return gas temp.. 20.0°C
T°Subcooling. 0.0K

Certificates :

Displacement (cc)	13,24
Net Weight (Kg)	11.2
Oil Quantity (cc)	380.0
Oil Type	Polyolester
Expansion Device	Capillary_Tube/Expansion_Valve
Cooling	Fan
Main Winding (Ohm)	4.8
Start Winding (Ohm)	18.2
Current	
RLA (A)	3.2
MCC (A)	4,1
LRA (A)	17
Electrical Equipment	CSIR
Overload	MSP40AMW
Time Check	6.5s - 16s / 11,2 A
Open Temp	135° C
Close Temp	61° C
Start Capacitor	88 µF / 250 V
Optional	T14119
Current Relay	RP50**
Pick Up	8,6A
Drop Out	7,35A
Optional	9660D-***-155
Refrigerating connection for	
Suction Tube	9.5 (3/8")
Discharge Tube	6.35 (1/4")
Process Tube	6.35 (1/4")

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

Selection program - V4.6_2024177 - 07/18/2024

AE4450Y-FZ1C	Tension FZ : 220 - 240V 1~ 50 Hz
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Les performances sont données dans les conditions EN12900_MHP :	Gaz aspirés : 20.0 °C
Condition Dew	Sous refroidissement : 0.0 K
The performance data are in EN12900_MHP conditions :	Return gas : 20.0 °C
Dew Condition	Subcooling : 0.0 K

50 Hz R134a											
											N°3079
4 T condensation	5 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
30	1 P frigorifique	(Watt)	386	510	656	828	1032	1269	1546	1864	2229
	2 P absorbée	(W)	241	271	299	326	353	381	412	447	487
	3 I absorbée	(A)	2.19	2.26	2.33	2.41	2.49	2.59	2.68	2.79	2.90
40	1 P frigorifique	(Watt)	322	437	569	725	907	1119	1365	1650	1976
	2 P absorbée	(W)	244	285	322	356	390	424	459	497	538
	3 I absorbée	(A)	2.16	2.26	2.37	2.49	2.61	2.74	2.88	3.02	3.17
50	1 P frigorifique	(Watt)		364	482	619	779	964	1180	1429	1716
	2 P absorbée	(W)		288	337	382	426	468	510	554	600
	3 I absorbée	(A)		2.26	2.41	2.57	2.73	2.90	3.07	3.25	3.44
60	1 P frigorifique	(Watt)			398	516	652	810	993	1206	1453
	2 P absorbée	(W)			341	401	457	510	563	616	670
	3 I absorbée	(A)			2.45	2.65	2.85	3.05	3.27	3.48	3.71

50 Hz R513A											
											N°3177
4 T condensation	5 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
30	1 P frigorifique	(Watt)	445	576	727	900	1099	1327	1587	1882	2215
	2 P absorbée	(W)	268	297	324	349	376	407	444	490	548
	3 I absorbée	(A)	2.43	2.47	2.52	2.58	2.66	2.76	2.89	3.06	3.27
40	1 P frigorifique	(Watt)	363	483	621	779	960	1167	1403	1672	1976
	2 P absorbée	(W)	266	309	346	380	413	447	485	530	584
	3 I absorbée	(A)	2.36	2.46	2.55	2.65	2.76	2.89	3.04	3.22	3.44
50	1 P frigorifique	(Watt)		395	514	652	810	992	1200	1438	1709
	2 P absorbée	(W)		306	359	405	448	491	534	582	637
	3 I absorbée	(A)		2.42	2.57	2.72	2.88	3.04	3.22	3.42	3.65
60	1 P frigorifique	(Watt)			419	531	661	813	989	1191	1425
	2 P absorbée	(W)			357	421	479	534	588	643	703
	3 I absorbée	(A)			2.57	2.78	2.99	3.19	3.41	3.64	3.90

1 = cooling capacity 2 = power input 3 = current 4 = condensing temperature 5 = evaporating temperature

Nota : Tecumseh se réserve le droit de modifier les informations contenues dans ce document sans préavis.
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