



Compressor
Voltage Code : FZ

AE4456Y-FZ1C

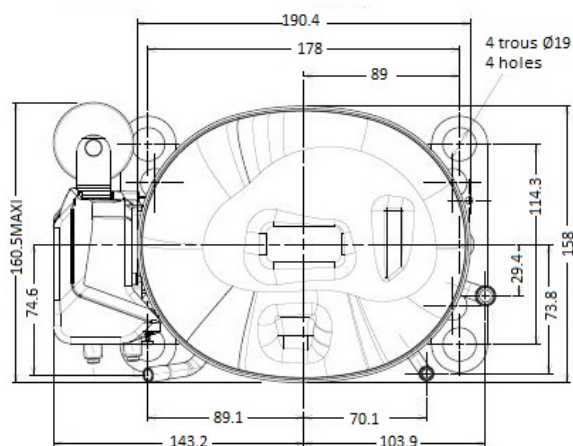
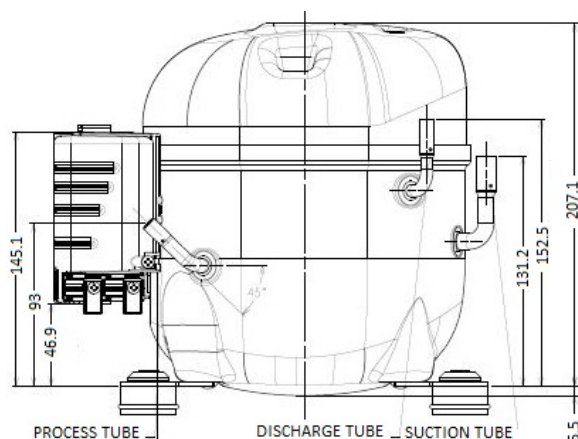
High Temp. Commercial (HP)

220 - 240V 1~ 50 Hz

R134a / R513A

AE4456Y-FZ1C_BF

Conditions	Frequency	Nominal Cooling Capacity		Sound Power ISO3745 / ISO 3743-1
		Watts	BTU/h	
EN12900_MHP / R134a	50 Hz	737	2513	60 dBA
EN12900_MHP / R513A	50 Hz	784	2674	60 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)	14,51
Net Weight (Kg)	11.5
Oil Quantity (cc)	380.0
Oil Type	Polyolester
Expansion Device	Capillary_Tube/Expansion_Valve
Cooling	Fan
Main Winding (Ohm)	4.09
Start Winding (Ohm)	22.9
Current	
RLA (A)	3.7
MCC (A)	3,8
LRA (A)	17.5
Electrical Equipment	CSIR
Overload	MSP28APW
Time Check	2.8s - 5.2s / 20.5 A
Open Temp	145° C
Close Temp	61° C
Start Capacitor	64 µF / 250 V
Current Relay	MTRP0030
Pick Up	9,15A
Drop Out	7,7A
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

AE4456Y-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°3102											
4 T condensation	5 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
30	1 P frigorifique	(Watt)	420	554	712	897	1114	1366	1659	1997	2383
	2 P absorbée	(W)	275	307	337	367	397	429	464	502	544
	3 I absorbée	(A)	2.55	2.60	2.66	2.73	2.82	2.91	3.02	3.14	3.27
40	1 P frigorifique	(Watt)	353	479	624	792	987	1214	1476	1779	2125
	2 P absorbée	(W)	288	329	368	406	443	481	521	563	609
	3 I absorbée	(A)	2.50	2.60	2.70	2.82	2.95	3.09	3.24	3.41	3.58
50	1 P frigorifique	(Watt)		404	534	682	854	1052	1282	1547	1853
	2 P absorbée	(W)		345	394	442	489	535	583	632	684
	3 I absorbée	(A)		2.62	2.77	2.93	3.10	3.29	3.48	3.69	3.91
60	1 P frigorifique	(Watt)			447	574	720	888	1083	1310	1571
	2 P absorbée	(W)			416	476	534	592	649	708	769
	3 I absorbée	(A)			2.85	3.05	3.27	3.50	3.74	4.00	4.26

50 Hz R513A											
N°3180											
4 T condensation	5 T évaporation	(°C)	-25	-20	-15	-10	-5	0	5	10	15
30	1 P frigorifique	(Watt)	484	626	789	974	1187	1429	1704	2016	2368
	2 P absorbée	(W)	306	337	365	393	423	458	499	550	613
	3 I absorbée	(A)	2.83	2.85	2.88	2.93	3.00	3.11	3.25	3.44	3.69
40	1 P frigorifique	(Watt)	398	530	680	850	1044	1265	1517	1803	2126
	2 P absorbée	(W)	314	358	396	432	469	507	551	601	661
	3 I absorbée	(A)	2.74	2.82	2.91	3.01	3.12	3.26	3.43	3.63	3.89
50	1 P frigorifique	(Watt)		438	569	718	888	1082	1304	1557	1845
	2 P absorbée	(W)		367	420	468	515	561	611	665	727
	3 I absorbée	(A)		2.79	2.95	3.10	3.27	3.45	3.65	3.88	4.15
60	1 P frigorifique	(Watt)			469	591	730	892	1078	1294	1541
	2 P absorbée	(W)			435	500	560	619	678	740	808
	3 I absorbée	(A)			2.98	3.21	3.43	3.66	3.91	4.18	4.47

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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