

Technical Data Sheet

Compressor model **S26TN_T**
Voltage **230V 60Hz ~1**
Refrigerant **R22**

APPLICATION

COMPRESSOR

MOTOR

Application	High-Medium Back Pressure	Displacement	25,93 cm ³	Nominal Power	1 hp
Refrigerant	R22	Diameter	39,98 mm	Voltage/Frequency	230V 60Hz
Evaporating Temp.	-25,0 °C to 10,0 °C	Stroke	20,65 mm	Voltage range	196-253 V
Expansion	Capillar/Valve	Net Weight	22,70 Kg	Type	CSR
Comp. Cooling	Fan cooled	Oil type	ISO VG 46 MINER	Phase number	1 PH
Max. ambient temp.	43,0 °C	Oil charge	887 cm ³	Locked Rotor Amps (LRA)	43,00 A
				Max. Cont. Current (MCC)	13,00 A
				Main W. resist. at 25°C	1,22 Ω
				Start W. resist. at 25°C	3,36 Ω

NOMINAL PERFORMANCE

APPROVALS

	ASHRAE	CECOMAF
Cooling Capacity	3.660 kCal/h	3.629 W
COP	2,36 W/W	2,10 W/W
EER	2,03 kCal/Wh	1,82 kCal/Wh
Input Power	1.800 W	1.725 W
Current	8,50 A	8,17 A

TEST CYCLE CONDITIONS

	ASHRAE HMBP (D)	CECOMAF HMBP (C)
Evaporating temp. (T _e)	7,2 °C	5,0 °C
Condensing temp. (T _c)	55,0 °C	55,0 °C
Liquid temp. (T _{liq.})	46,0 °C	55,0 °C
Ambient temp. (T _{amb.})	35,0 °C	32,0 °C
Suction temp. (T _{suction})	35,0 °C	32,0 °C
Voltage/Frequency	230 V 60 Hz	230 V 60 Hz

ELECTRICAL COMPONENTS

Starting capacitor	88-108 µF 330 V			
Run capacitor	20 µF 420 V			
Relay	Option 1	Option 2		
Reference	3ARR3 10S3	RVA 3AG..		
Pick-Up	180-195 V	180-195 V		
Drop-Out	40-105 V	40-105 V		
Protector	Option 1	Option 2		
Reference	CST00AJN	GA3SMV81		
Current	28,50 A	29,50 A		
Time check	7,5-14 seg	6,0-16 seg		
Disc temp. (Open/Close)	120,00 / 69,00 °C	120,00 / 57,00 °C		

ASHRAE

Tc °C	Te °C	Cooling Capacity kCal/h	Consumption W	Current A	COP W/W	EER kCal/Wh
40	-25	936	820	4,30	1,33	1,14
40	-20	1.349	899	4,63	1,74	1,50
40	-15	1.822	993	5,03	2,13	1,83
40	-10	2.356	1.102	5,48	2,49	2,14
40	-5	2.950	1.226	6,01	2,80	2,41
40	0	3.605	1.364	6,60	3,07	2,64
40	5	4.320	1.518	7,27	3,31	2,85
40	7,2	4.655	1.590	7,58	3,40	2,93
40	10	5.097	1.686	8,00	3,52	3,02

45	-25	841	820	4,30	1,19	1,03
45	-20	1.217	910	4,68	1,56	1,34
45	-15	1.653	1.015	5,12	1,89	1,63
45	-10	2.150	1.135	5,62	2,20	1,89
45	-5	2.708	1.269	6,20	2,48	2,13
45	0	3.326	1.419	6,84	2,73	2,34
45	5	4.005	1.583	7,55	2,94	2,53
45	7,2	4.323	1.660	7,89	3,03	2,60
45	10	4.745	1.762	8,33	3,13	2,69

50	-25	746	820	4,30	1,06	0,91
50	-20	1.085	921	4,72	1,37	1,18
50	-15	1.485	1.037	5,21	1,67	1,43
50	-10	1.945	1.167	5,76	1,94	1,67
50	-5	2.466	1.313	6,38	2,18	1,88
50	0	3.048	1.473	7,07	2,41	2,07
50	5	3.690	1.648	7,83	2,60	2,24
50	7,2	3.992	1.730	8,19	2,68	2,31
50	10	4.392	1.838	8,67	2,78	2,39

55	-25	651	820	4,30	0,92	0,79
55	-20	953	932	4,77	1,19	1,02
55	-15	1.316	1.059	5,30	1,45	1,24
55	-10	1.740	1.200	5,90	1,69	1,45
55	-5	2.224	1.356	6,57	1,91	1,64
55	0	2.769	1.527	7,31	2,11	1,81
55	5	3.374	1.713	8,12	2,29	1,97
55	7,2	3.660	1.800	8,50	2,36	2,03
55	10	4.040	1.914	9,01	2,45	2,11

CECOMAF

Tc °C	Te °C	Cooling Capacity W	Consumption W	Current A	COP W/W	EER kCal/Wh
40	-25	1.022	824	4,32	1,24	1,07
40	-20	1.476	904	4,65	1,63	1,41
40	-15	1.995	999	5,05	2,00	1,73
40	-10	2.579	1.108	5,51	2,33	2,01
40	-5	3.228	1.233	6,04	2,62	2,26
40	0	3.941	1.373	6,64	2,87	2,48
40	5	4.719	1.528	7,31	3,09	2,67
40	7,2	5.082	1.601	7,63	3,18	2,74
40	10	5.563	1.698	8,05	3,28	2,83

45	-25	915	824	4,32	1,11	0,96
45	-20	1.327	915	4,70	1,45	1,25
45	-15	1.803	1.021	5,14	1,77	1,53
45	-10	2.344	1.141	5,65	2,05	1,77
45	-5	2.950	1.277	6,23	2,31	2,00
45	0	3.620	1.428	6,88	2,54	2,19
45	5	4.356	1.593	7,59	2,73	2,36
45	7,2	4.700	1.671	7,93	2,81	2,43
45	10	5.156	1.774	8,39	2,91	2,51

50	-25	808	824	4,32	0,98	0,85
50	-20	1.177	926	4,74	1,27	1,10
50	-15	1.610	1.043	5,23	1,54	1,33
50	-10	2.109	1.174	5,79	1,80	1,55
50	-5	2.672	1.321	6,42	2,02	1,75
50	0	3.300	1.482	7,11	2,23	1,92
50	5	3.993	1.659	7,88	2,41	2,08
50	7,2	4.318	1.742	8,24	2,48	2,14
50	10	4.750	1.851	8,72	2,57	2,22

55	-25	701	824	4,32	0,85	0,73
55	-20	1.027	937	4,79	1,10	0,95
55	-15	1.418	1.064	5,33	1,33	1,15
55	-10	1.873	1.207	5,93	1,55	1,34
55	-5	2.394	1.365	6,60	1,75	1,52
55	0	2.979	1.537	7,35	1,94	1,67
55	5	3.629	1.725	8,17	2,10	1,82
55	7,2	3.936	1.812	8,55	2,17	1,88
55	10	4.344	1.927	9,06	2,25	1,95

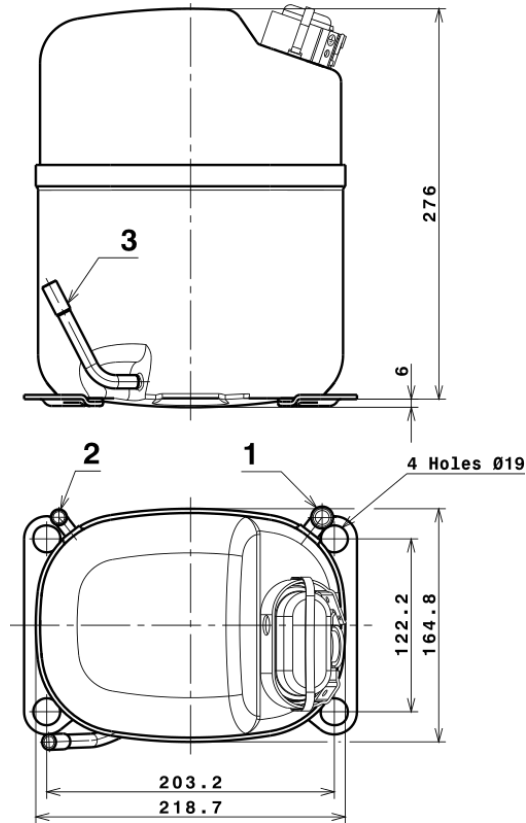
EN12900

X	Cooling Capacity (W)	Consumption (W)	Current (A)	Mass Flow (kg/h)
1	6.590,7678957779	959,7564893481	4,8077524447	115,33304229288
2	220,9045702001	12,6454853499	0,0537507433	4,1380710545911
3	-65,8713873386	11,2638252087	0,0496363477	-0,79151696383367
4	1,3097347840	0,3193690762	0,0014924278	0,035911089466712
5	-1,7692125198	0,4505530083	0,0019854539	-0,018523690109148

Equation	$x_1 + x_2Te + x_3Tc + x_4Te^2 + x_5TeTc$
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Technical Data Sheet

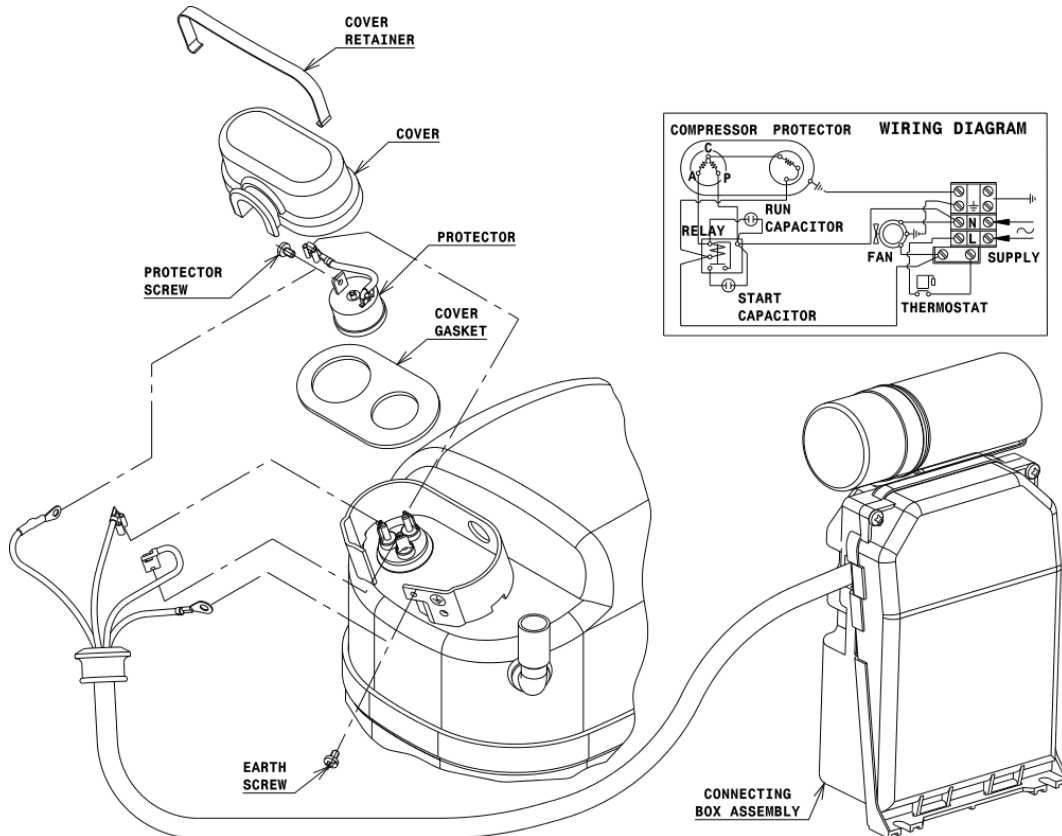
COMPRESSOR DIMENSIONS



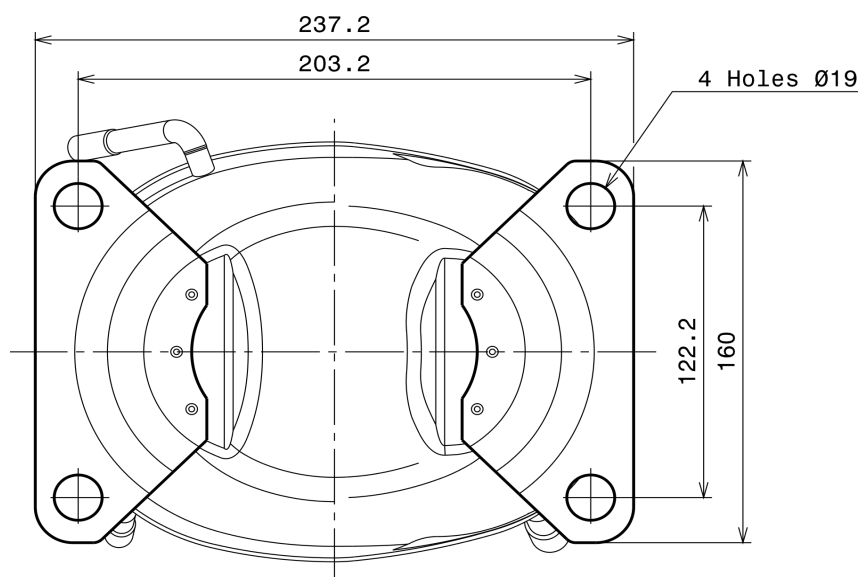
	DESIGNATION	INTERNAL DIAM.
1	Suction	12,7 mm
2	Service	9,7 mm
3	Discharge	8,0 mm

WIRING DIAGRAMS AND ELECTRICAL ASSEMBLY

CSR CONNECTION (EXTERNAL CONNECTING BOX) (S range)



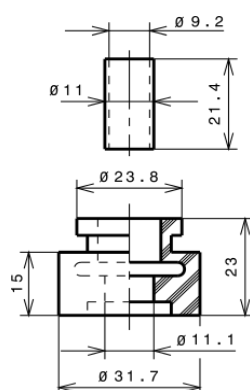
FIXINGS



SILENT BLOCKS (MOUNTING ACCESSORIES)

STANDARD

Ø19 holes (203.2x122.2 net)



SOA

SOA R22 HMBP

