

Technical Data Sheet

Compressor model **MS26T3_T**
 Voltage **400/440V 50/60Hz ~3**
 Refrigerant **R404A**

APPLICATION

COMPRESSOR

MOTOR

Application	High-Medium Back Pressure	Displacement	25,93 cm ³	Nominal Power	1 3/8 hp
Refrigerant	R404A	Diameter	39,98 mm	Voltage/Frequency	440V 60Hz
Evaporating Temp.	-25,0 °C to 10,0 °C	Stroke	20,65 mm	Voltage range	374-484 V
Expansion	Capillar/Valve	Net Weight	18,15 Kg	Type	3PHASE
Comp. Cooling	Fan cooled	Oil type	ISO VG 46 ESTER	Phase number	3 PH
Max. ambient temp.	43,0 °C	Oil charge	700 cm ³	Locked Rotor Amps (LRA)	14,40 A
				Max. Cont. Current (MCC)	4,80 A
				Main W. resist. at 25°C	10,18 Ω
				Start W. resist. at 25°C	14,03 Ω

NOMINAL PERFORMANCE

APPROVALS

	ASHRAE	CECOMAF
Cooling Capacity	4.037 kCal/h	3.705 W
COP	2,25 W/W	1,84 W/W
EER	1,94 kCal/Wh	1,59 kCal/Wh
Input Power	2.085 W	2.018 W
Current	3,15 A	3,09 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	440 V 60 Hz	440 V 60 Hz

ELECTRICAL COMPONENTS

Relay				
Reference				
Voltage				
Resistance				
Protector				
Reference				
Current				
Time check				
Disc temp. (Open/Close)				

ASHRAE

Tc °C	Te °C	Cooling Capacity kCal/h	Consumption W	Current A	COP W/W	EER kCal/Wh
40	-25	1.293	920	1,95	1,63	1,40
40	-20	1.733	1.086	2,13	1,86	1,60
40	-15	2.239	1.248	2,31	2,09	1,79
40	-10	2.809	1.408	2,48	2,32	1,99
40	-5	3.444	1.565	2,64	2,56	2,20
40	0	4.143	1.719	2,79	2,80	2,41
40	5	4.907	1.870	2,94	3,05	2,62
40	7,2	5.264	1.935	3,01	3,16	2,72
40	10	5.736	2.017	3,09	3,31	2,84

45	-25	1.123	890	1,92	1,47	1,26
45	-20	1.527	1.068	2,11	1,66	1,43
45	-15	1.995	1.243	2,30	1,87	1,60
45	-10	2.528	1.415	2,48	2,08	1,79
45	-5	3.126	1.585	2,66	2,29	1,97
45	0	3.788	1.751	2,83	2,52	2,16
45	5	4.515	1.914	2,99	2,74	2,36
45	7,2	4.855	1.985	3,05	2,84	2,45
45	10	5.306	2.074	3,14	2,98	2,56

50	-25	953	860	1,88	1,29	1,11
50	-20	1.320	1.051	2,10	1,46	1,26
50	-15	1.751	1.238	2,30	1,65	1,41
50	-10	2.247	1.423	2,49	1,84	1,58
50	-5	2.807	1.604	2,68	2,04	1,75
50	0	3.432	1.783	2,86	2,24	1,93
50	5	4.122	1.959	3,03	2,45	2,10
50	7,2	4.446	2.035	3,10	2,54	2,18
50	10	4.876	2.131	3,19	2,66	2,29

55	-25	784	830	1,85	1,10	0,94
55	-20	1.113	1.033	2,08	1,25	1,08
55	-15	1.507	1.233	2,29	1,42	1,22
55	-10	1.966	1.430	2,50	1,60	1,37
55	-5	2.489	1.624	2,70	1,78	1,53
55	0	3.077	1.815	2,89	1,97	1,70
55	5	3.729	2.003	3,07	2,17	1,86
55	7,2	4.037	2.085	3,15	2,25	1,94
55	10	4.446	2.188	3,25	2,36	2,03

60	-25	615	800	1,82	0,89	0,77
60	-20	907	1.015	2,06	1,04	0,89
60	-15	1.264	1.228	2,29	1,20	1,03
60	-10	1.685	1.437	2,51	1,36	1,17
60	-5	2.171	1.644	2,72	1,54	1,32
60	0	2.722	1.847	2,92	1,71	1,47
60	5	3.337	2.048	3,11	1,90	1,63
60	7,2	3.628	2.135	3,20	1,98	1,70
60	10	4.017	2.245	3,30	2,08	1,79

CECOMAF

Tc °C	Te °C	Cooling Capacity W	Consumption W	Current A	COP W/W	EER kCal/Wh
40	-25	1.352	925	1,96	1,46	1,26
40	-20	1.825	1.092	2,14	1,67	1,44
40	-15	2.361	1.256	2,32	1,88	1,62
40	-10	2.959	1.417	2,49	2,09	1,80
40	-5	3.621	1.575	2,65	2,30	1,99
40	0	4.344	1.731	2,81	2,51	2,17
40	5	5.131	1.884	2,96	2,72	2,35
40	7,2	5.497	1.950	3,02	2,82	2,44
40	10	5.980	2.033	3,10	2,94	2,54

45	-25	1.163	895	1,92	1,30	1,12
45	-20	1.588	1.074	2,12	1,48	1,28
45	-15	2.077	1.251	2,31	1,66	1,43
45	-10	2.627	1.424	2,49	1,84	1,59
45	-5	3.241	1.595	2,67	2,03	1,76
45	0	3.917	1.763	2,84	2,22	1,92
45	5	4.655	1.928	3,00	2,41	2,09
45	7,2	5.000	2.000	3,07	2,50	2,16
45	10	5.457	2.091	3,16	2,61	2,25

50	-25	974	865	1,89	1,13	0,97
50	-20	1.352	1.057	2,10	1,28	1,11
50	-15	1.792	1.245	2,31	1,44	1,24
50	-10	2.295	1.432	2,50	1,60	1,39
50	-5	2.861	1.615	2,69	1,77	1,53
50	0	3.489	1.795	2,87	1,94	1,68
50	5	4.180	1.973	3,04	2,12	1,83
50	7,2	4.504	2.051	3,12	2,20	1,90
50	10	4.934	2.148	3,21	2,30	1,98

55	-25	785	835	1,86	0,94	0,81
55	-20	1.115	1.039	2,08	1,07	0,93
55	-15	1.508	1.240	2,30	1,22	1,05
55	-10	1.963	1.439	2,51	1,36	1,18
55	-5	2.481	1.635	2,71	1,52	1,31
55	0	3.062	1.828	2,90	1,68	1,45
55	5	3.705	2.018	3,09	1,84	1,59
55	7,2	4.008	2.101	3,17	1,91	1,65
55	10	4.411	2.206	3,26	2,00	1,73

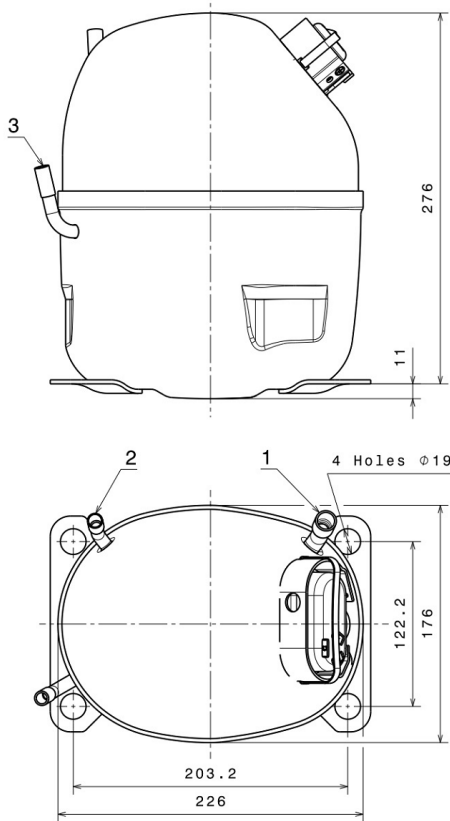
60	-25	597	804	1,82	0,74	0,64
60	-20	879	1.021	2,06	0,86	0,74
60	-15	1.224	1.235	2,29	0,99	0,86
60	-10	1.631	1.446	2,52	1,13	0,97
60	-5	2.102	1.655	2,73	1,27	1,10
60	0	2.634	1.860	2,93	1,42	1,22
60	5	3.230	2.063	3,13	1,57	1,35
60	7,2	3.512	2.151	3,21	1,63	1,41
60	10	3.888	2.263	3,32	1,72	1,48

EN12900

X	Cooling Capacity (W)	Consumption (W)	Current (A)	Mass Flow (kg/h)
1	7.756,1576612626	1.515,4777700856	2,6248575318	156,20817621465
2	227,7544112728	11,9726122160	0,0107428405	5,0507100164835
3	-88,2069526222	6,7106778409	0,0060583927	-0,89553449390073
4	1,1847091337	-0,0347448129	-0,0001574383	0,055855483948609
5	-2,0322588573	0,5155540702	0,0005188145	-0,0073012418986255

Equation	$x_1 + x_2Te + x_3Tc + x_4Te^2 + x_5TeTc$
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COMPRESSOR DIMENSIONS

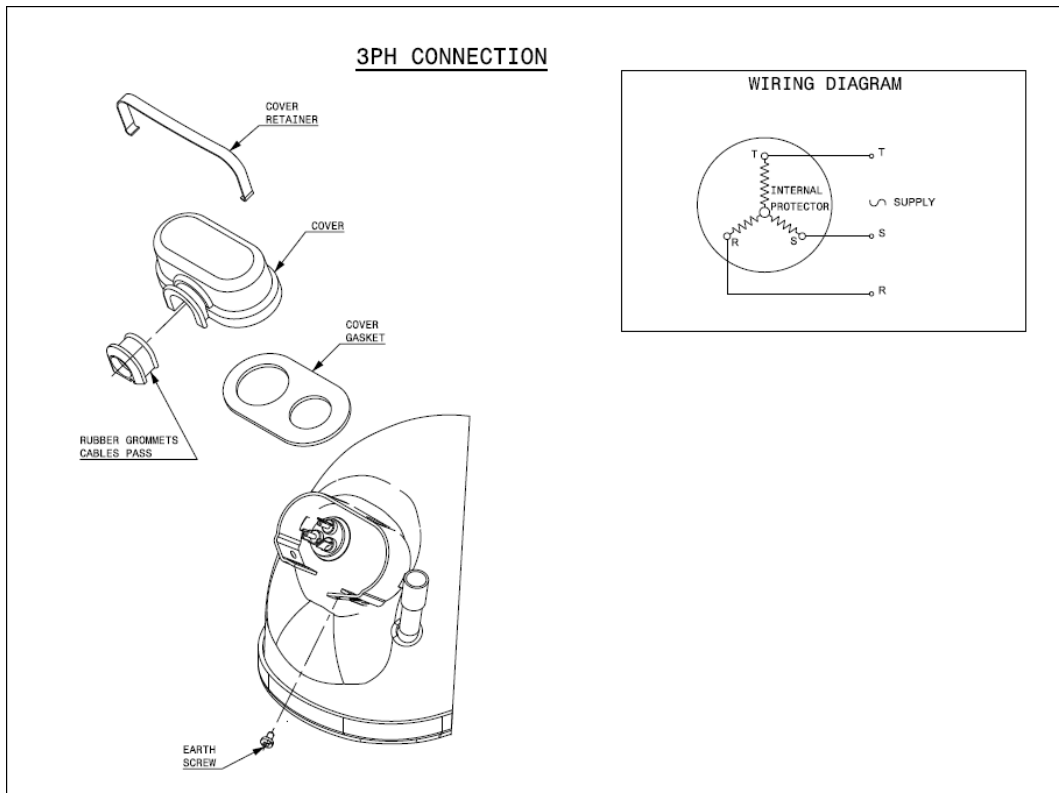


DESIGNATION INTERNAL DIAM.

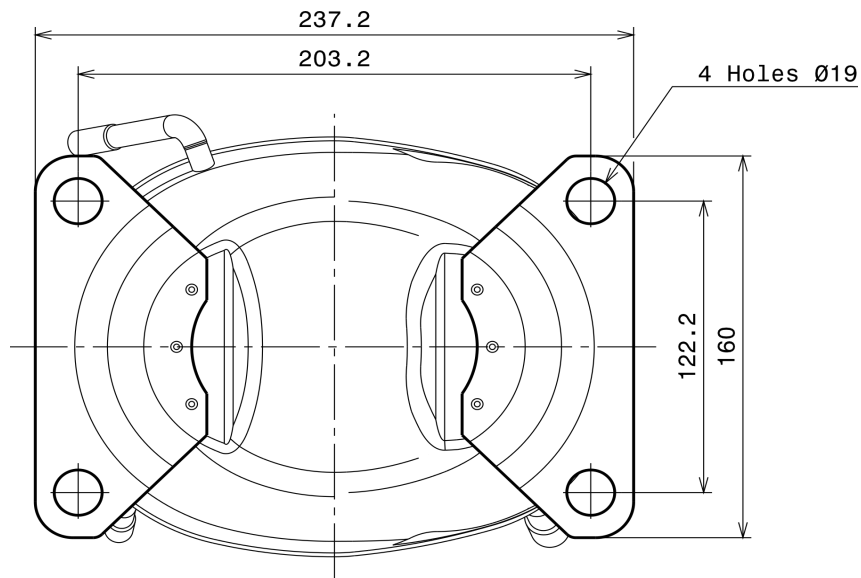
1	Suction	12,7 mm
2	Service	9,7 mm
3	Discharge	8,0 mm

WIRING DIAGRAMS AND ELECTRICAL ASSEMBLY

3PH CONNECTION (NS Range)



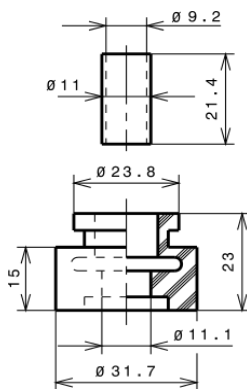
FIXINGS



SILENT BLOCKS (MOUNTING ACCESSORIES)

STANDARD

$\varnothing 19$ holes (203.2x122.2 net)



SOA

SOA R404A HMBP

