

Technical Data Sheet

Compressor model **MS34T3_T**
Voltage **400/440V 50/60Hz ~3**
Refrigerant **R404A**

APPLICATION

COMPRESSOR

MOTOR

Application	High-Medium Back Pressure	Displacement	34,42 cm³	Approximate Power	1 5/8 hp
Refrigerant	R404A	Diameter	42,86 mm	Voltage/Frequency	400V 50Hz
Evaporating Temp.	-25,0 to 10,0	Stroke	23,85 mm	Voltage range	340-440 V
Expansion	Capillar/Valve	Net Weight	22,80 Kg	Type	3PHASE
Comp. Cooling	Fan cooled	Oil type	ISO VG 46 ESTER	Phase number	3 P
Max. ambient temp.	43,0	Oil charge	887 cm³	Locked rotor current	20,00 A
				Main W. resist. at 25°C	7,40
				Start W. resist. at 25°C	10,10

NOMINAL PERFORMANCE

APPROVALS

	ASHRAE	CECOMAF
Cooling Capacity	4.550 kcal/h	4.213 W
COP	2,20 W/W	1,82 W/W
EER	1,89 kcal/Wh	1,57 kcal/Wh
Input Power	2.405 W	2.317 W
Current	4,60 A	4,45 A



TEST CYCLE CONDITIONS

	ASHRAE HMBP (D)	CECOMAF HMBP (C)
Evaporating temp.	7,2 °C	5,0 °C
Condensing temp.	55,0 °C	55,0 °C
Liquid temp.	46,0 °C	55,0 °C
Ambient temp.	35,0 °C	32,0 °C
Suction temp.	35,0 °C	32,0 °C
Voltage/Frequency	400 V 50 Hz	400 V 50 Hz

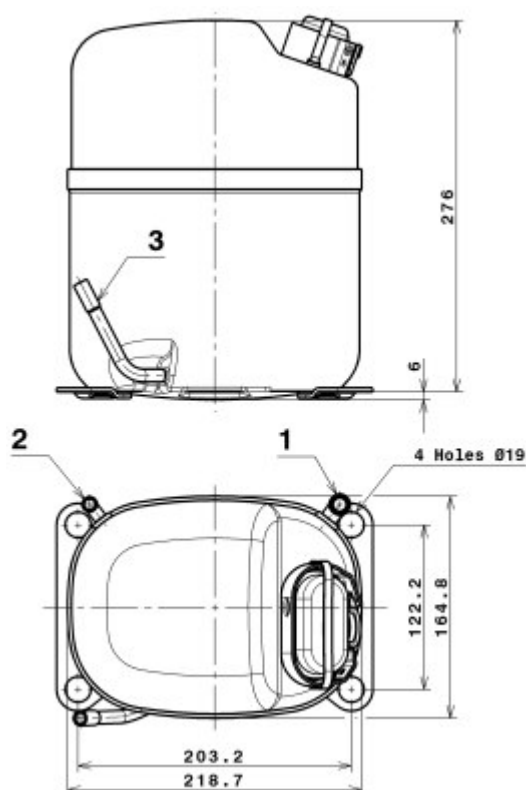
ELECTRICAL COMPONENTS

Relay				
Reference				
Voltage				
Resistance				
Protector	Option 1			
Reference	INTERNAL			
Current				
Time check				
Disc temp. (Open/Close)				

ASHRAE

Tc	Te	Cooling Capacity kcal/h	Consumption W	Current A	COP W/W	EER kcal/Wh
40	-25	1.150	895	2,40	1,49	1,28
40	-20	1.721	1.072	2,63	1,87	1,61
40	-15	2.349	1.243	2,85	2,20	1,89
40	-10	3.034	1.409	3,08	2,50	2,15
40	-5	3.776	1.570	3,31	2,80	2,41
40	0	4.575	1.725	3,53	3,08	2,65
40	5	5.430	1.876	3,76	3,37	2,90
40	7,2	5.825	1.940	3,86	3,49	3,00
40	10	6.343	2.020	3,98	3,65	3,14
45	-25	1.100	985	2,52	1,30	1,12
45	-20	1.613	1.172	2,76	1,60	1,38
45	-15	2.183	1.353	3,00	1,88	1,61
45	-10	2.809	1.529	3,25	2,14	1,84
45	-5	3.493	1.700	3,50	2,39	2,05
45	0	4.234	1.866	3,74	2,64	2,27
45	5	5.031	2.026	3,99	2,89	2,48
45	7,2	5.400	2.095	4,10	3,00	2,58
45	10	5.885	2.181	4,23	3,14	2,70
50	-25	1.050	1.075	2,63	1,14	0,98
50	-20	1.505	1.272	2,89	1,38	1,18
50	-15	2.016	1.463	3,16	1,60	1,38
50	-10	2.585	1.650	3,42	1,82	1,57
50	-5	3.210	1.831	3,69	2,04	1,75
50	0	3.892	2.006	3,96	2,26	1,94
50	5	4.632	2.177	4,23	2,47	2,13
50	7,2	4.975	2.250	4,35	2,57	2,21
50	10	5.428	2.342	4,50	2,70	2,32
55	-25	1.000	1.165	2,75	1,00	0,86
55	-20	1.396	1.372	3,03	1,18	1,02
55	-15	1.850	1.574	3,31	1,37	1,18
55	-10	2.360	1.770	3,60	1,55	1,33
55	-5	2.927	1.961	3,89	1,74	1,49
55	0	3.551	2.147	4,18	1,92	1,65
55	5	4.232	2.327	4,47	2,12	1,82
55	7,2	4.550	2.405	4,60	2,20	1,89
55	10	4.970	2.502	4,76	2,31	1,99
60	-25	950	1.255	2,87	0,88	0,76
60	-20	1.288	1.472	3,17	1,02	0,88
60	-15	1.683	1.684	3,47	1,16	1,00
60	-10	2.135	1.890	3,78	1,31	1,13
60	-5	2.644	2.091	4,09	1,47	1,26
60	0	3.210	2.287	4,41	1,63	1,40
60	5	3.833	2.478	4,72	1,80	1,55
60	7,2	4.125	2.560	4,86	1,87	1,61
60	10	4.513	2.663	5,04	1,97	1,69

COMPRESSOR DIMENSIONS

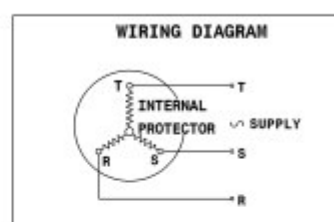
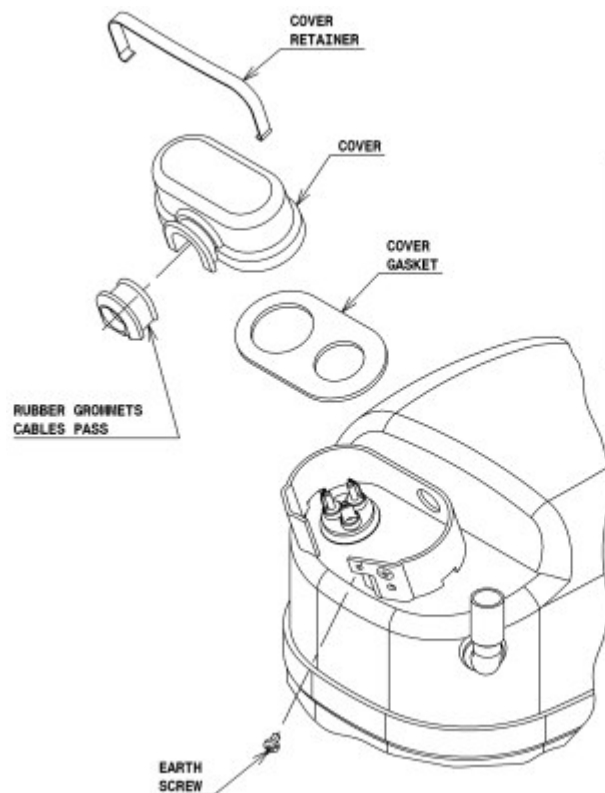


DESIGNATION INTERNAL DIAM.

1	Suction	12,7 mm
2	Service	9,6 mm
3	Discharge	8,0 mm

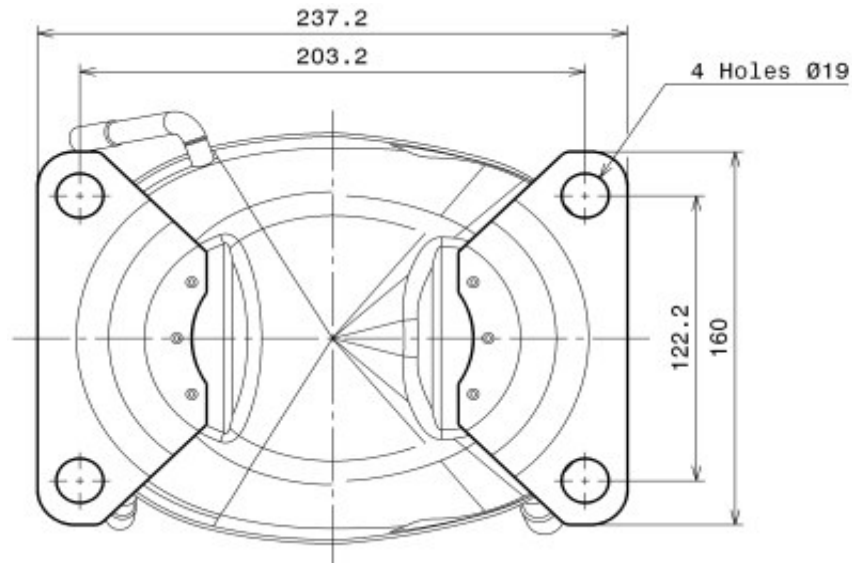
WIRING DIAGRAMS AND ELECTRICAL ASSEMBLY

3PH CONNECTION (S range)



Technical Data Sheet

FIXINGS



SILENT BLOCKS (MOUNTING ACCESSORIES)

STANDARD

D.19 holds net (203.2x122.2)



SOA

SOA R404A HMBP

