

# Technical Data Sheet

Compressor model **MS26F3\_T**  
 Voltage **400/440V 50/60Hz ~3**  
 Refrigerant **R404A**

APPLICATION		COMPRESSOR		MOTOR	
Application	Low Back Pressure	Displacement	25,93 cm <sup>3</sup>	Nominal Power	3/4 hp
Refrigerant	R404A	Diameter	39,98 mm	Voltage/Frequency	440V 60Hz
Evaporating Temp.	-40,0 °C to -10,0 °C	Stroke	20,65 mm	Voltage range	374-484 V
Expansion	Capillar/Valve	Net Weight	20,35 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 <sup>3</sup>	Locked Rotor Amps (LRA)	14,40 A
				Max. Cont. Current (MCC)	2,90 A
				Main W. resist. at 25°C	10,18 Ω
				Start W. resist. at 25°C	14,03 Ω

## NOMINAL PERFORMANCE

	ASHRAE	CECOMAF
Cooling Capacity	1.170 kCal/h	909 W
COP	1,31 W/W	0,92 W/W
EER	1,13 kCal/Wh	0,80 kCal/Wh
Input Power	1.040 W	987 W
Current	2,00 A	1,93 A

## APPROVALS

## TEST CYCLE CONDITIONS

	ASHRAE LBP (B)	CECOMAF LBP (A)
Evaporating temp. (T <sub>e</sub> )	-23,3 °C	-25,0 °C
Condensing temp. (T <sub>c</sub> )	55,0 °C	55,0 °C
Liquid temp. (T <sub>liq.</sub> )	32,0 °C	55,0 °C
Ambient temp. (T <sub>amb.</sub> )	32,0 °C	32,0 °C
Suction temp. (T <sub>suction</sub> )	32,0 °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	-40	444	578	1,45	0,89	0,77
40	-35	717	706	1,59	1,18	1,02
40	-30	1.029	837	1,75	1,43	1,23
40	-25	1.380	968	1,91	1,66	1,43
40	-23,3	1.508	1.013	1,97	1,73	1,49
40	-20	1.769	1.101	2,08	1,87	1,61
40	-15	2.196	1.235	2,27	2,07	1,78
40	-10	2.663	1.370	2,46	2,26	1,94

45	-40	374	560	1,44	0,78	0,67
45	-35	635	697	1,58	1,06	0,91
45	-30	934	835	1,74	1,30	1,12
45	-25	1.272	974	1,92	1,52	1,30
45	-23,3	1.395	1.022	1,98	1,59	1,36
45	-20	1.648	1.115	2,10	1,72	1,48
45	-15	2.063	1.257	2,30	1,91	1,64
45	-10	2.516	1.400	2,51	2,09	1,80

50	-40	304	543	1,42	0,65	0,56
50	-35	552	687	1,57	0,93	0,80
50	-30	838	833	1,74	1,17	1,01
50	-25	1.163	981	1,92	1,38	1,19
50	-23,3	1.283	1.031	1,99	1,45	1,24
50	-20	1.527	1.129	2,12	1,57	1,35
50	-15	1.929	1.279	2,33	1,75	1,51
50	-10	2.370	1.430	2,55	1,93	1,66

55	-40	234	525	1,40	0,52	0,45
55	-35	469	678	1,56	0,81	0,69
55	-30	743	832	1,74	1,04	0,89
55	-25	1.055	987	1,93	1,24	1,07
55	-23,3	1.170	1.040	2,00	1,31	1,13
55	-20	1.406	1.143	2,14	1,43	1,23
55	-15	1.795	1.301	2,36	1,60	1,38
55	-10	2.223	1.460	2,60	1,77	1,52

60	-40	164	508	1,38	0,38	0,32
60	-35	386	668	1,55	0,67	0,58
60	-30	647	830	1,74	0,91	0,78
60	-25	947	993	1,94	1,11	0,95
60	-23,3	1.057	1.049	2,01	1,17	1,01
60	-20	1.285	1.158	2,16	1,29	1,11
60	-15	1.661	1.323	2,39	1,46	1,26
60	-10	2.077	1.490	2,65	1,62	1,39

## CECOMAF

Tc °C	Te °C	Cooling Capacity W	Consumption W	Current A	COP W/W	EER kCal/Wh
40	-40	461	578	1,45	0,80	0,69
40	-35	773	706	1,59	1,09	0,94
40	-30	1.116	837	1,75	1,33	1,15
40	-25	1.492	968	1,91	1,54	1,33
40	-23,3	1.627	1.013	1,97	1,61	1,39
40	-20	1.900	1.101	2,08	1,73	1,49
40	-15	2.339	1.235	2,27	1,89	1,64
40	-10	2.810	1.370	2,46	2,05	1,77

45	-40	375	560	1,44	0,67	0,58
45	-35	650	697	1,58	0,93	0,81
45	-30	958	835	1,74	1,15	0,99
45	-25	1.298	974	1,92	1,33	1,15
45	-23,3	1.420	1.022	1,98	1,39	1,20
45	-20	1.669	1.115	2,10	1,50	1,29
45	-15	2.072	1.257	2,30	1,65	1,42
45	-10	2.508	1.400	2,51	1,79	1,55

50	-40	288	543	1,42	0,53	0,46
50	-35	528	687	1,57	0,77	0,66
50	-30	800	833	1,74	0,96	0,83
50	-25	1.103	981	1,92	1,12	0,97
50	-23,3	1.214	1.031	1,99	1,18	1,02
50	-20	1.439	1.129	2,12	1,27	1,10
50	-15	1.806	1.279	2,33	1,41	1,22
50	-10	2.205	1.430	2,55	1,54	1,33

55	-40	202	525	1,40	0,39	0,33
55	-35	406	678	1,56	0,60	0,52
55	-30	641	832	1,74	0,77	0,67
55	-25	909	987	1,93	0,92	0,80
55	-23,3	1.007	1.040	2,00	0,97	0,84
55	-20	1.208	1.143	2,14	1,06	0,91
55	-15	1.539	1.301	2,36	1,18	1,02
55	-10	1.902	1.460	2,60	1,30	1,13

60	-40	116	508	1,38	0,23	0,20
60	-35	284	668	1,55	0,42	0,37
60	-30	483	830	1,74	0,58	0,50
60	-25	714	993	1,94	0,72	0,62
60	-23,3	800	1.049	2,01	0,76	0,66
60	-20	978	1.158	2,16	0,84	0,73
60	-15	1.273	1.323	2,39	0,96	0,83
60	-10	1.600	1.490	2,65	1,07	0,93

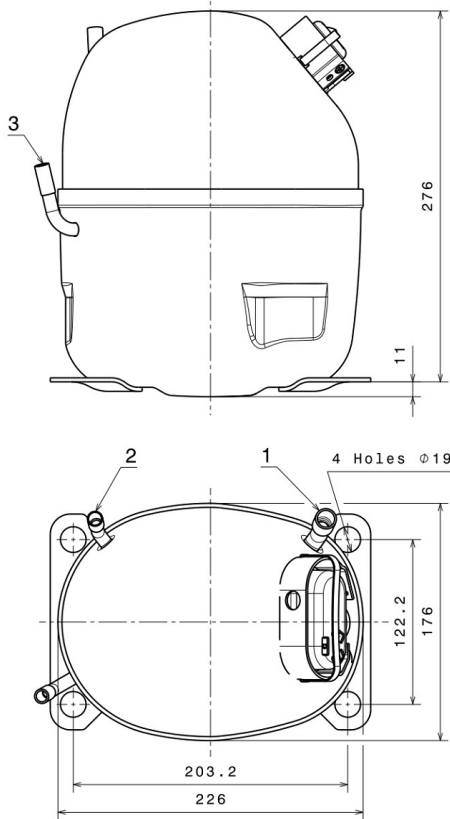
## EN12900

X	Cooling Capacity (W)	Consumption (W)	Current (A)	Mass Flow (kg/h)
1	6.757,2296215155	1.316,0294558451	2,4422119063	148,90808445937
2	165,1138038532	15,9039688710	0,0340399103	4,0215098098423
3	-75,8664482491	9,4072552890	0,0139826867	-1,0140763666048
4	0,6034568431	0,0334471812	0,0003345180	0,024934798015213
5	-1,4757209766	0,3246187226	0,0004422721	-0,015598819795429

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

## COMPRESSOR DIMENSIONS

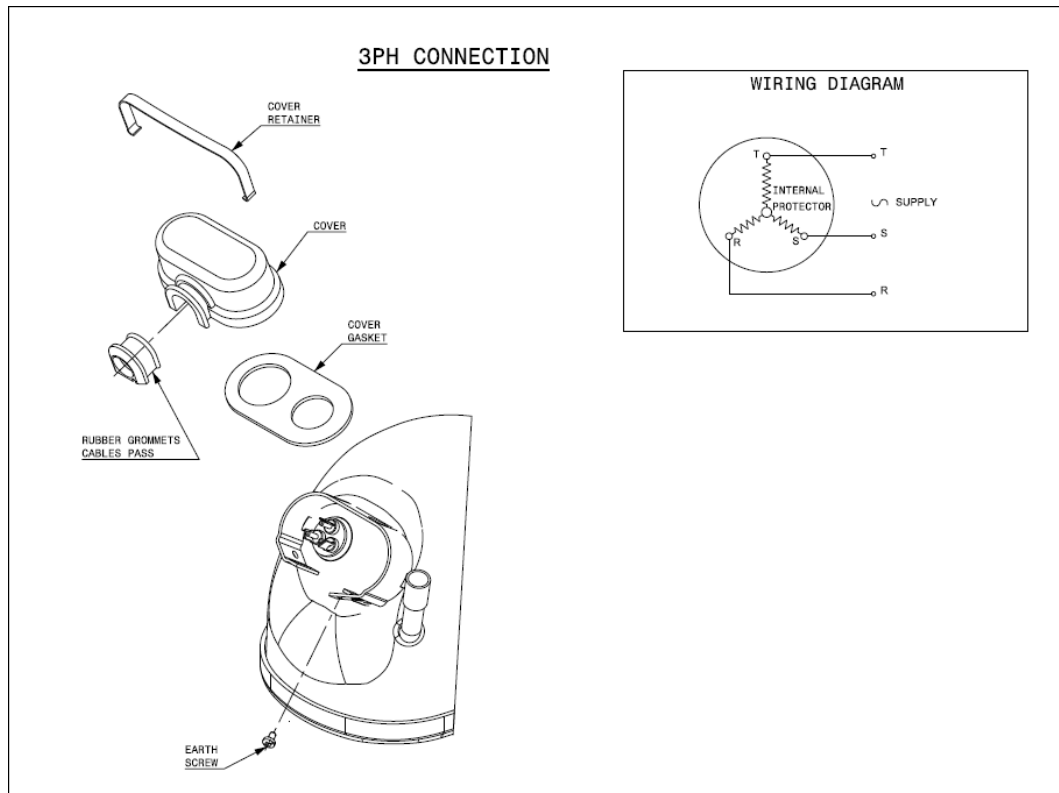


## DESIGNATION INTERNAL DIAM.

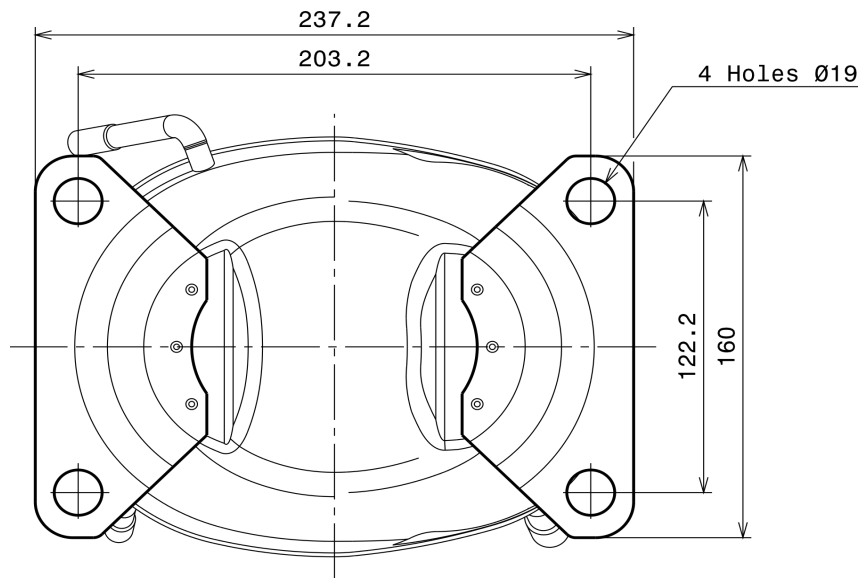
1	Suction	12,7 mm
2	Service	9,7 mm
3	Discharge	8,0 mm

## WIRING DIAGRAMS AND ELECTRICAL ASSEMBLY

### 3PH CONNECTION (NS Range)



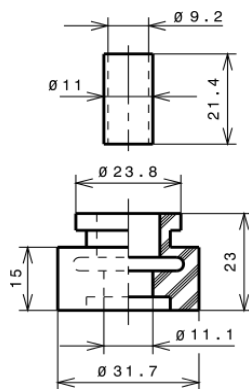
## FIXINGS



## SILENT BLOCKS (MOUNTING ACCESSORIES)

### STANDARD

Ø19 holes (203.2x122.2 net)



## SOA

SOA R404A LBP

