

Type: Semi-hermetic piston compressors

Producer: Frascold

Series: Q

Model: Q 4 20.1 Y

Technical data

Nominal motor power [kW/HP]:	3 / 4
Cylinder count:	4
Displacement [m ³ /h]:	19,77
RPM [min ⁻¹]:	1450
Weight net [kg]:	74
Weight gross [kg]:	77
Oil charge [dm ³]:	1,8

Electrical data

Power supply [V/~/Hz]:	230V/3/50 Δ	400V/3/50 Y
Locked rotor current [A]:	92,6	53,2
Max. operating current [A]:	17,5	10,1

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	28,6	1 1/8"
Discharge line:	19	3/4"

R404A/R507

Cooling capacity [W]

$t_c \setminus t_e$	-5	-10	-15	-20	-25	-30	-35	-40	-45
30	14 773	12 190	9 934	7 981	6 308	4 893	3 712	2 743	1 963
40	12 745	10 452	8 458	6 741	5 277	4 044	3 019	2 179	1 500
45	11 705	9 562	7 704	6 110	4 755	3 618	2 675	1 904	1 282
50	10 651	8 661	6 943	5 474	4 232	3 195	2 337	1 638	-

Power input [W]

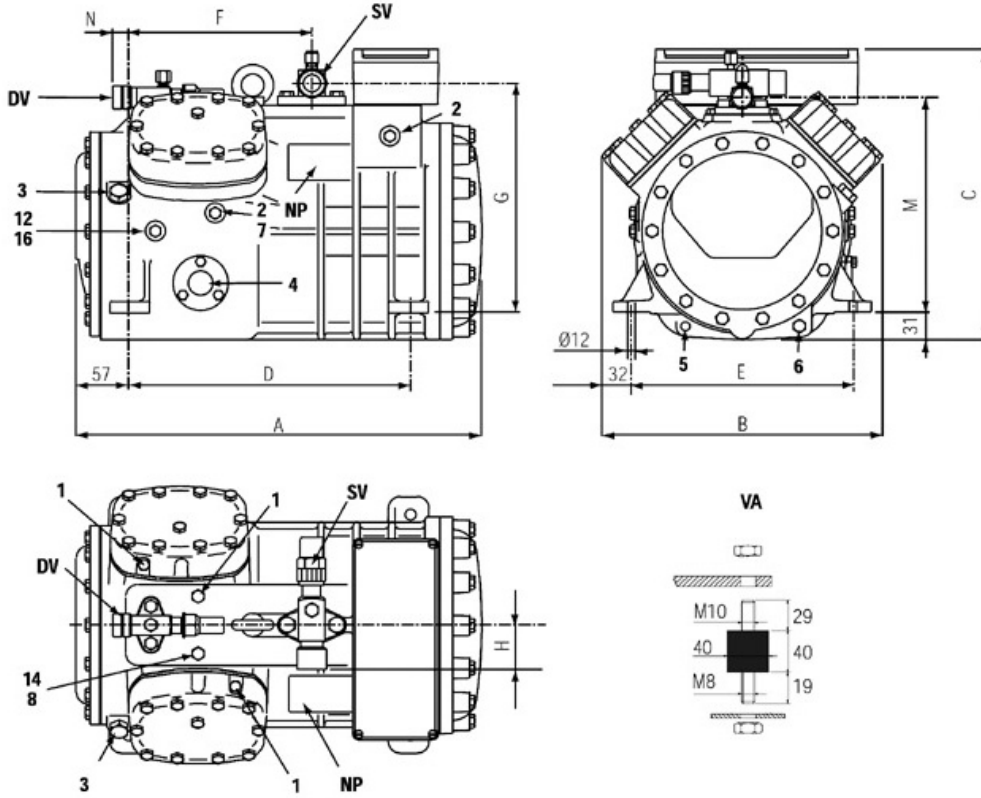
$t_c \setminus t_e$	-10	-20	-30	-40
40	4 245	3 463	2 669	1 930

With head cooling

Operating conditions: suction gas temperature 20°C, 0K subcooling

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]



A	449 mm
B	315 mm
C	325 mm
D	312 mm
E	246 mm
F	203 mm
G	258 mm
H	53 mm
M	239 mm
N	17 mm

- | | |
|--------------------------------|--|
| 1: high pressure plug | 2: low pressure plug |
| 3: oil charge plug | 4: oil level sight glass |
| 5: crankcase heater seat | 6: oil drain plug |
| 7: liquid injection valve plug | 8: liquid injection sensor plug |
| 12: oil return plug | 14: max. discharge temperature sensor plug |
| 16: crankcase pressure plug | DV: discharge valve |
| NP: name plate | SV: suction valve |

