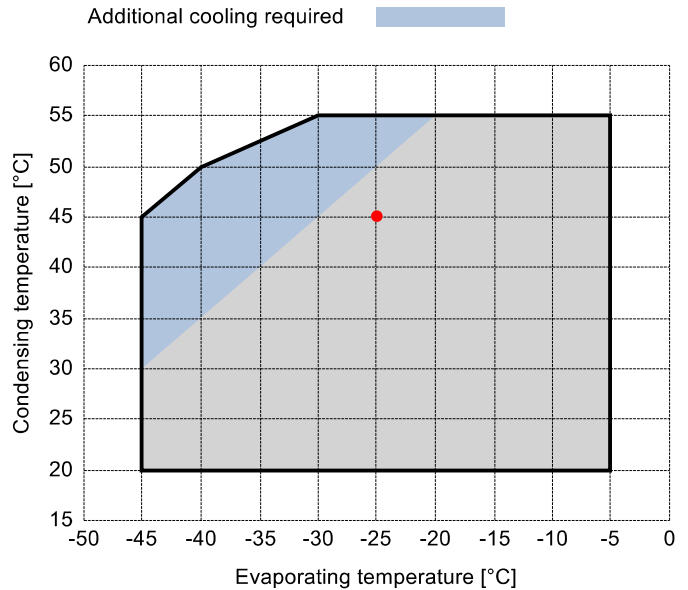


Input data

Refrigerant	R404A	
Reference temperature	Dew point temperature	
Calculation mode	Refrigeration / Air Cond.	
Operating mode	Subcritical	
Power supply	400/3/50	
Condensing temperature	°C	45
Condensing pressure	bar	20,47
Liquid subcooling	K	0
Liquid temperature	°C	44,67
Evaporating temperature	°C	-25
Evaporating pressure	bar	2,5
Suction gas superheating	K	10
Useful fraction of superheating	%	100



Output data

Compressor :	B1.5-10.1Y	
Number of compressors :	FSx1	
Refrigerating capacity	kW	2,024
Refrigerating capacity [*ref]	kW	2,304
Evaporator capacity	kW	2,024
Power input	W	1754
Condenser capacity, theor.	kW	3,777
Current	A	3,91
COP/EER	W/W	1,15
Mass flow	kg/h	79
Operating frequency	Hz	50
Connection	-	DOL-STAR
Operating mode	-	100%
Discharge temperature	°C	91,44
Ratio (%)	%	100,0%
Note	-	
Oil flow	l/min	-
Heat Exchanged (oil Cooler)	kW	-
Oil Temp. at Oil Cooler Outlet	°C	-
Certified by	-	ASERCOM

Certified by:

- ASERCOM (ref. EN12900, 50 Hz, 100% cap.)

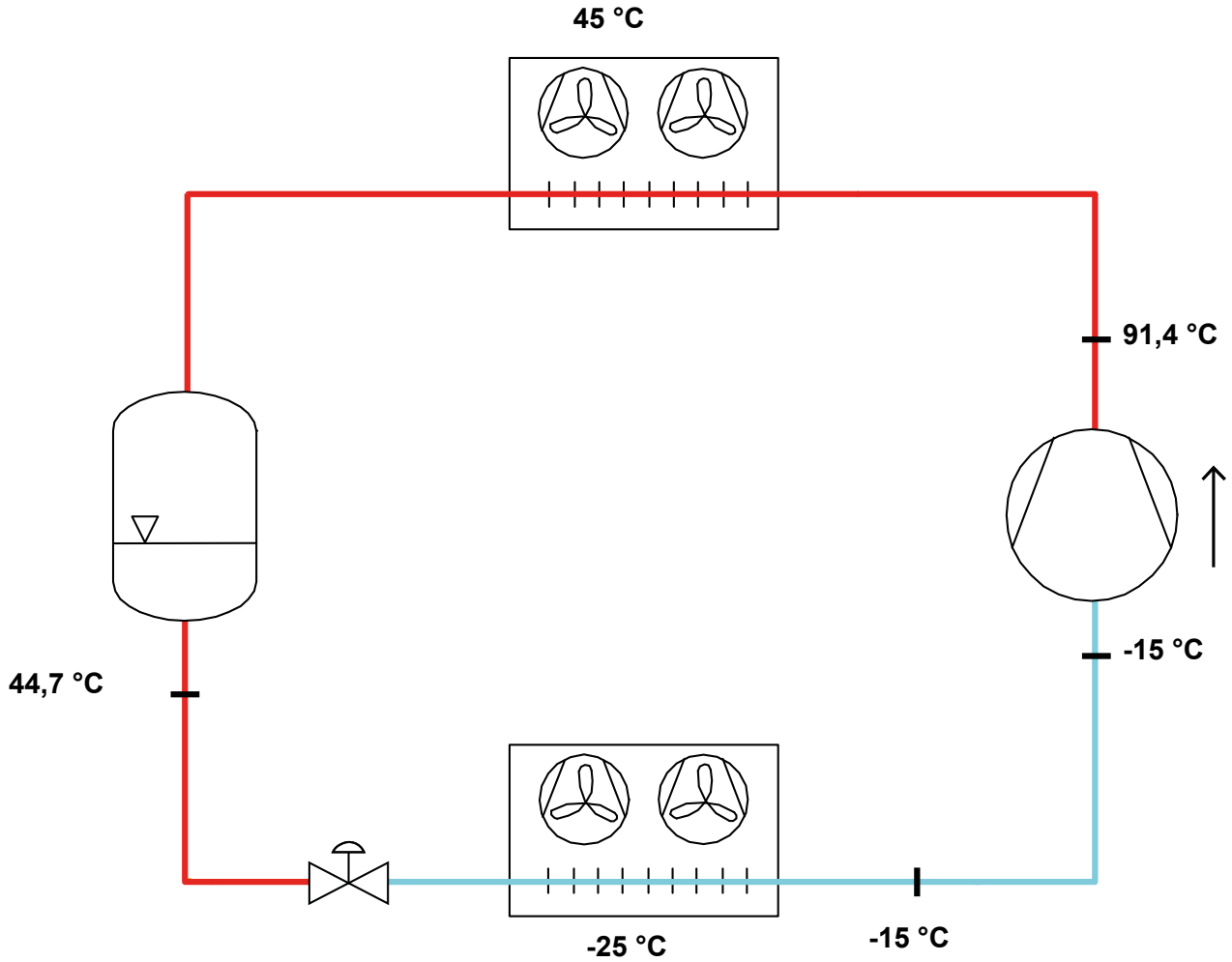


Legend:

- *ref: At conditions according to EN12900
- Suction gas temperature = 20 °C
- Liquid subcooling = 0 K

All data subject to change without notice

P&I Diagram:



All data subject to change without notice

Oil separator:

Model: B1.5-10.1Y

Refrigerant: R404A

Power supply: 400/3/50 DOL-STAR

Technical data:

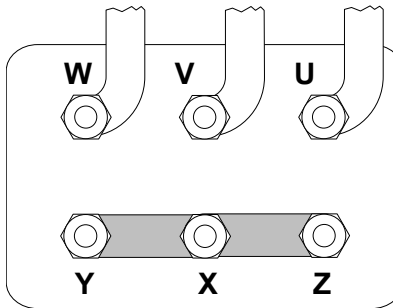
Displacement	9,88 m³/h
Nominal compressor speed	1450 rpm
Motor voltage	400 V
Nominal operating frequency	50 Hz
maximum allowed operating current (MRA)	5,5 A
locked rotor current (LRA)	26,8 A
Number of pistons	2
Net weight	38 kg
Lubricant	FRASCOLD POE32
Oil charge	1 l

Sound level:

Sound power level -10/45°C R404A @50Hz	65,5 dB(A)
Sound pressure (*) - Distance: 1 m	57,5 dB(A)
Sound power level -35/40°C R404A @50Hz	65,5 dB(A)
Sound pressure (*) - Distance: 1 m	57,5 dB(A)

*half sphere model

Motor connections:



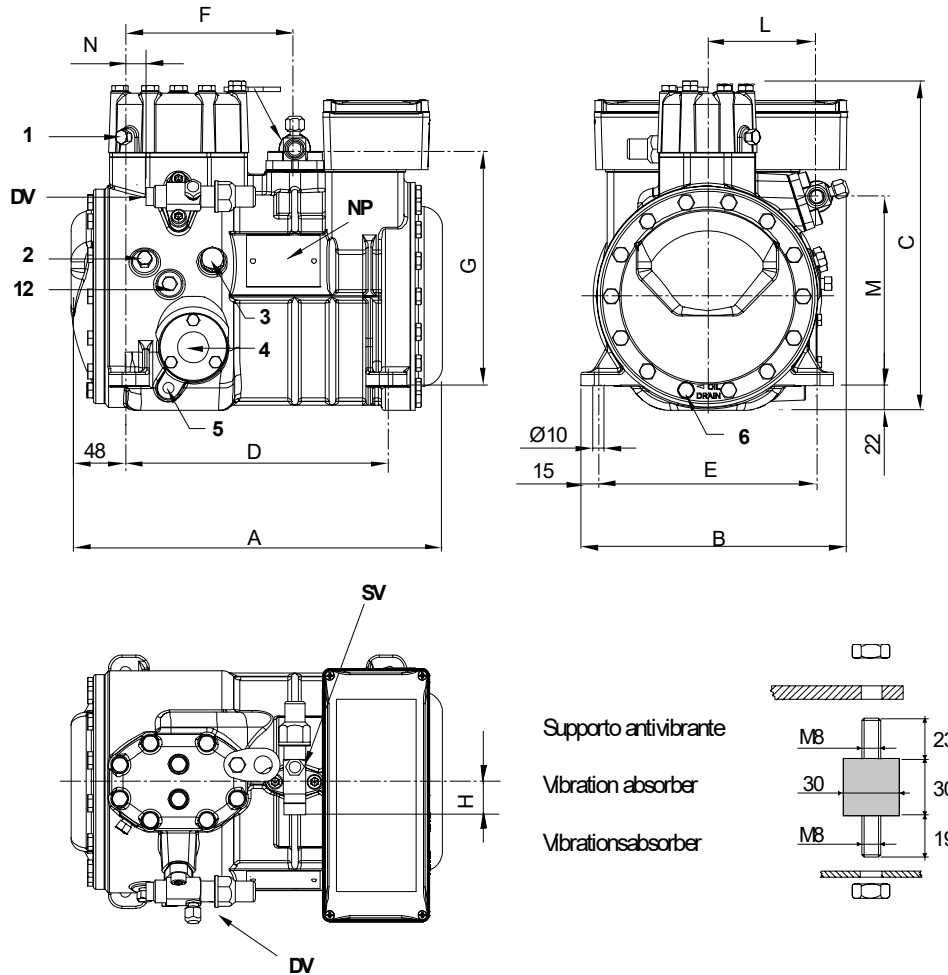
All data subject to change without notice

Model: B1.5-10.1Y

Refrigerant: R404A

Power supply: 400/3/50 DOL-STAR

Dimensions:



Legend:

SV: Suction Valve	5/8" in - 16 mm	M: Discharge valve	167 mm
DV: Discharge valve	1/2" in - 12,7 mm	N: Discharge valve	18 mm
A: Length	329 mm	1: High pressure connection	1/8" NPT
B: Width	237 mm	2: Low pressure connection	1/8" NPT
C: Height	292 mm	3: Oil charge plug	1/4" GAS
D: Base mounting	234 mm	4: Oil level sight glass	-
E: Base mounting	194 mm	5: Crankcase heater seat	-
F: Suction Valve	150 mm	6: Oil drain plug	M8 x 22
G: Suction Valve	209 mm	12: Oil return plug	1/8" NPT
H: Suction Valve	29 mm	NP: Nameplate	
L: Discharge valve	97 mm		

All data subject to change without notice

Model: B1.5-10.1Y

Refrigerant: R404A

Power supply: 400/3/50 DOL-STAR

Polynomial coefficients according to EN12900 for B1.5-10.1Y:

*S = T_{evap} ; D = T_{cond}

Reference conditions

Refrigerant	R404A
Ambient temperature	35 °C
Suction gas temperature	20 °C
Liquid subcooling	0 K
Frequency	50 Hz

	Refrigerating capacity [W]	Power input [W]
C1	1,320499E+004	5,506197E+002
C2	4,351671E+002	-6,365117E+001
C3	-1,590407E+002	6,916343E+001
C4	4,725016E+000	-1,798843E+000
C5	-4,317627E+000	2,339932E+000
C6	3,648654E-001	-6,067113E-001
C7	1,567744E-002	-1,197047E-002
C8	-3,649678E-002	2,005140E-002
C9	1,832321E-003	-8,189553E-003
C10	-5,487570E-004	3,501420E-003

All data subject to change without notice