

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH51 125-468 Y

Technical data

Nominal motor power [kW/HP]:	93,8 / 125
Displacement [m ³ /h]:	468
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	875
Weight gross [kg]:	935
Oil charge [dm ³]:	22

Electrical data

Power supply [V/~/Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	198
Locked rotor current (D.O.L.) [A]:	890
Max. operating current [A]:	562
Max. power input [kW]:	121

Connections

	<u>millimeters</u>	<u>inches</u>
Suction line:	DN80	DN80
Discharge line:	104	4 1/8

R134a

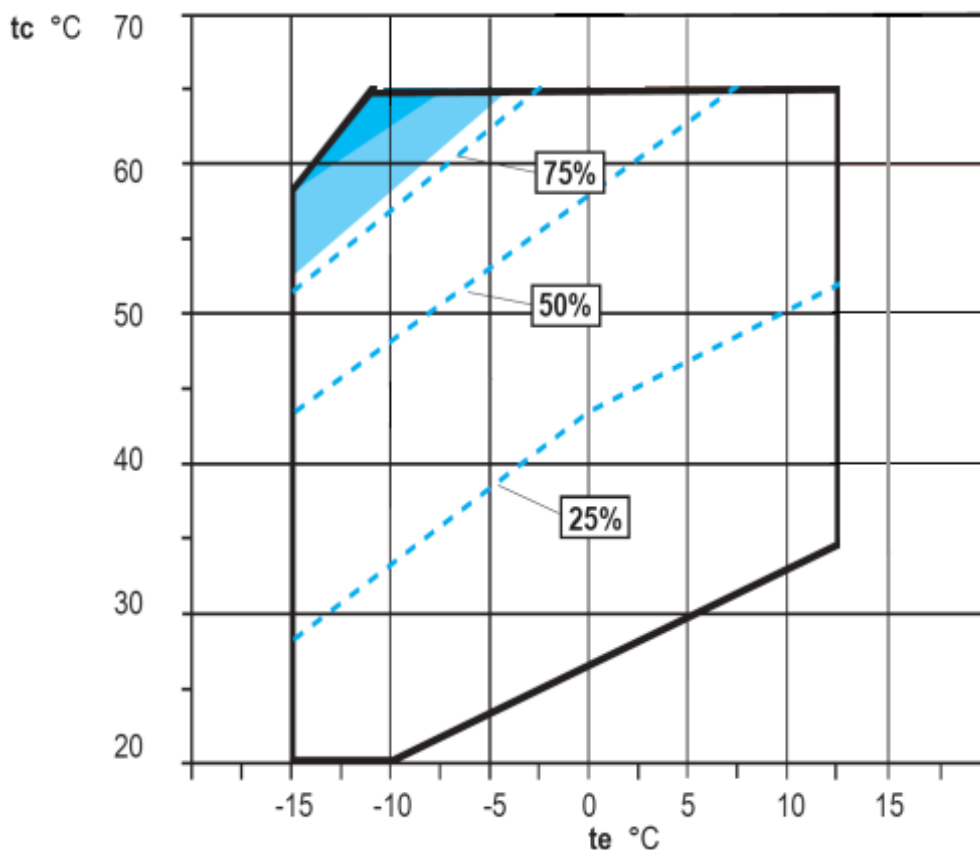
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	352 620	290 060	236 540	190 940	152 140
40	422 290	384 410	316 670	258 270	208 400	165 950	129 900
50	373 640	338 610	276 040	222 320	176 510	137 610	104 910
55	347 340	313 820	254 110	203 020	159 550	122 790	91 810

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	59.10	55.30	52.40	50.20	48.40
40	74.10	71.50	67.30	64.20	61.80	59.70	57.80
50	84.70	83.10	80.00	77.10	74.30	71.50	68.70
55	92.10	90.60	87.70	84.70	81.60	78.50	75.30

Application limits



With liquid injection or oil cooler

Operating conditions: suction gas temperature 10K, 0K subcooling

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

