

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH52 125-372 Y ECO

Technical data

Nominal motor power [kW/HP]:	93,8 / 125
Displacement [m ³ /h]:	372
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	865
Weight gross [kg]:	925
Oil charge [dm ³]:	22

Electrical data

Power supply [V/~/Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	218
Locked rotor current (D.O.L.) [A]:	890
Max. operating current [A]:	562
Max. power input [kW]:	133

Connections

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

R404A/R507

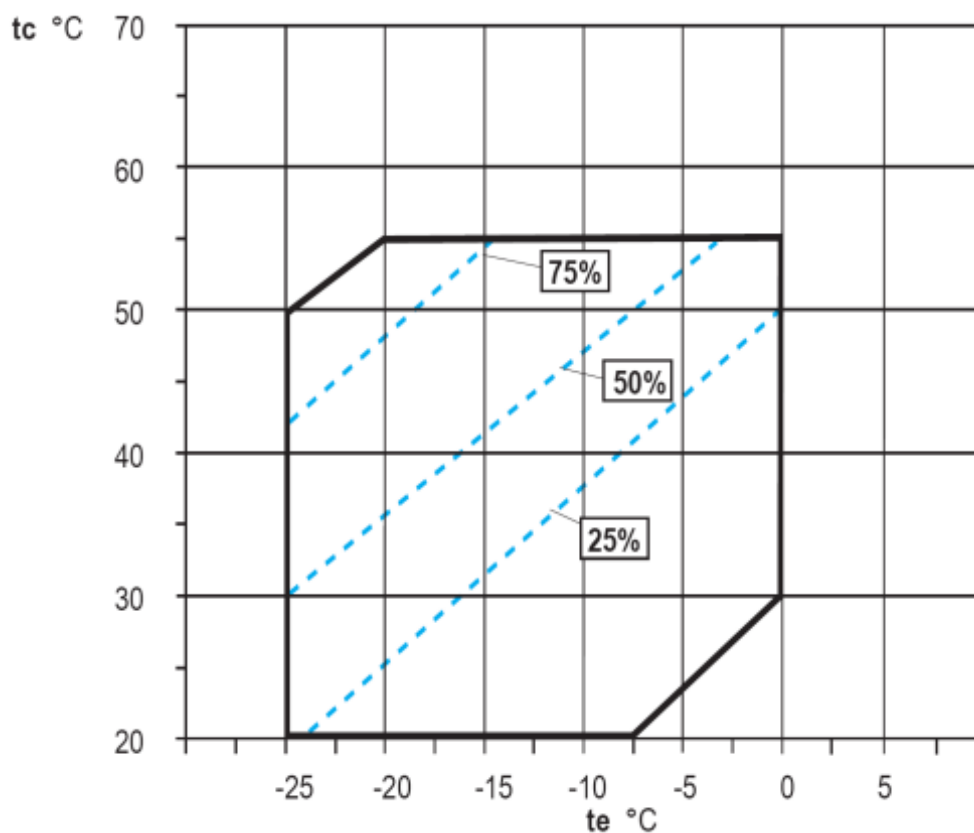
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	402 440	343 490	291 270	245 110	204 420	168 600
40	362 120	307 610	259 490	217 000	179 540	146 510
50	315 240	266 370	223 260	185 200	151 590	121 880

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	80.80	80.30	80.20	80.20	80.00	79.30
40	101.40	101.40	101.50	101.30	100.80	99.60
50	129.80	130.00	129.80	129.10	127.70	125.60

Application limits



With liquid injection or oil cooler

Operating conditions: suction gas overheating 10K, 10K subcooling

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

R407C

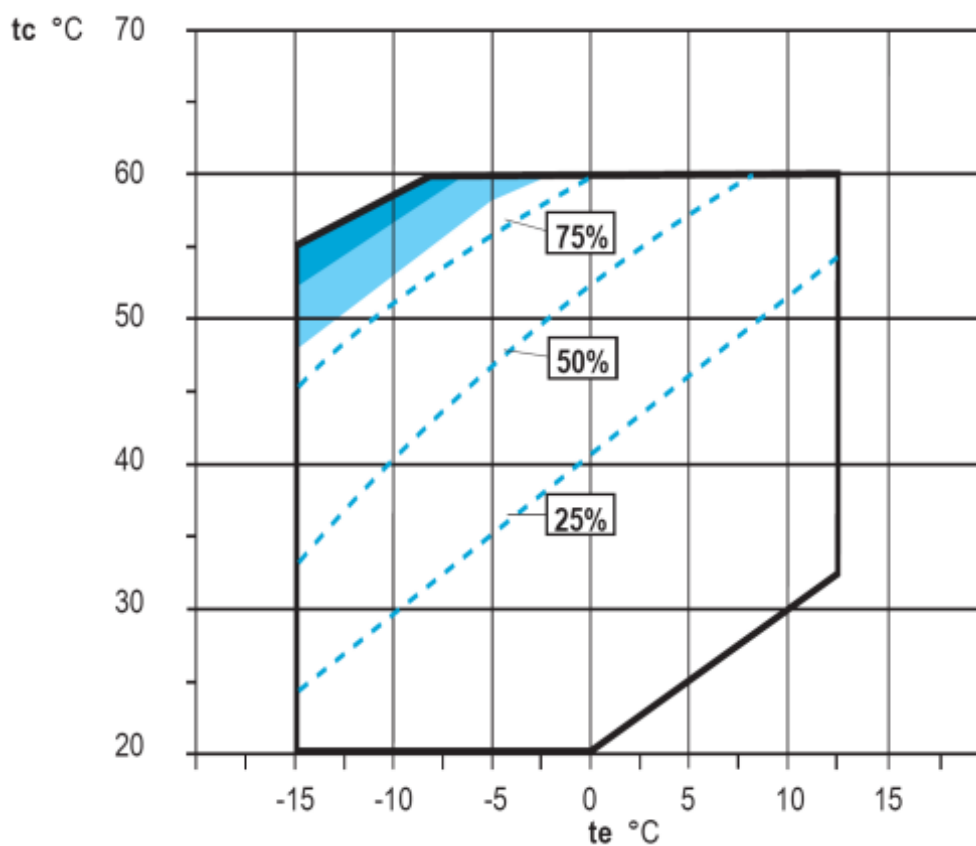
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	494 320	424 990	362 520	306 830	257 040	212 760
40	505 210	468 320	400 360	339 480	285 160	236 540	192 990
50	462 510	427 840	363 790	306 090	253 770	206 210	162 240
55	436 510	403 220	341 390	285 160	233 370	185 170	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	71.90	68.80	66.80	65.60	64.80	64.10
40	91.20	89.20	86.50	85.10	84.10	83.20	81.80
50	112.40	112.00	111.20	110.10	108.60	106.40	103.30
55	126.40	126.70	126.40	124.90	122.50	119.30	-

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