

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH52 140-428 Y

Technical data

Nominal motor power [kW/HP]:	104 / 140
Displacement [m ³ /h]:	428
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]:	245
Locked rotor current (D.O.L.) [A]:	950
Max. operating current [A]:	579
Max. power input [kW]:	150

Connections

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

R404A/R507

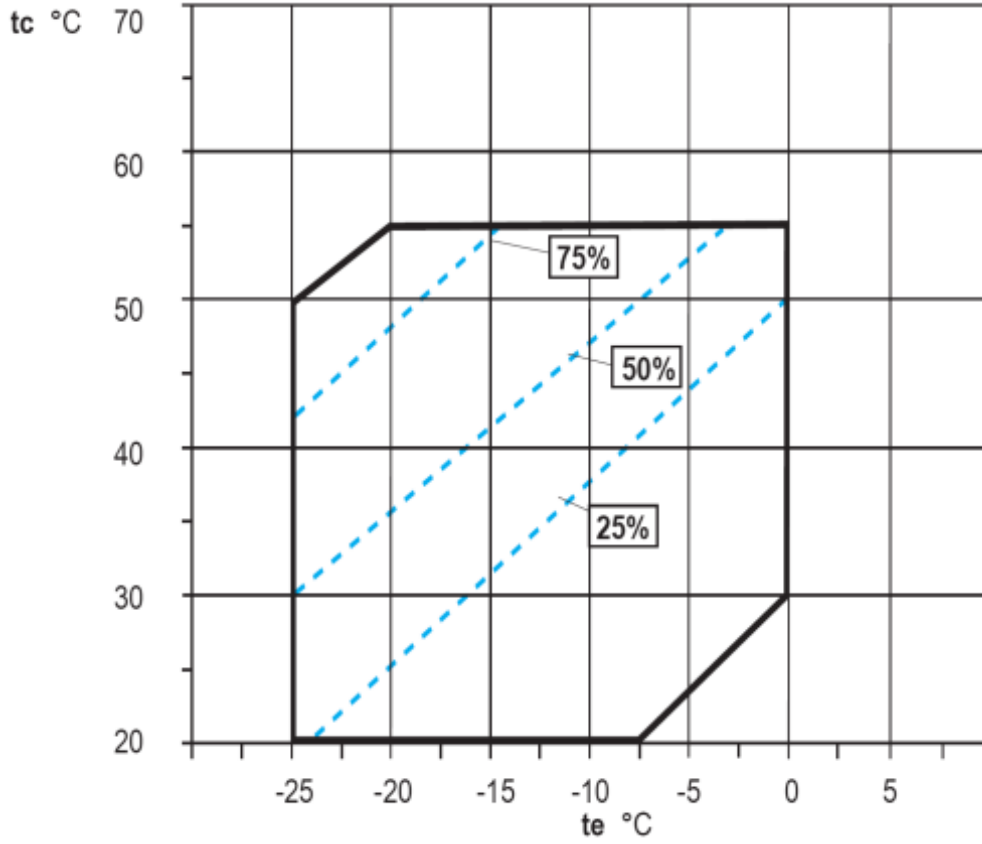
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	429 750	356 280	293 050	238 840	192 630	153 470
40	364 070	299 610	244 260	196 920	156 680	122 660
50	295 910	240 780	193 600	153 380	119 310	90 620
55	260 360	210 140	167 260	130 790	99 970	-

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	88.90	86.20	83.80	81.70	79.60	77.40
40	106.40	103.50	100.70	98.00	95.30	92.60
50	128.50	124.90	121.30	117.80	114.50	111.50
55	141.80	137.70	133.60	129.80	126.30	-

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]

R407C

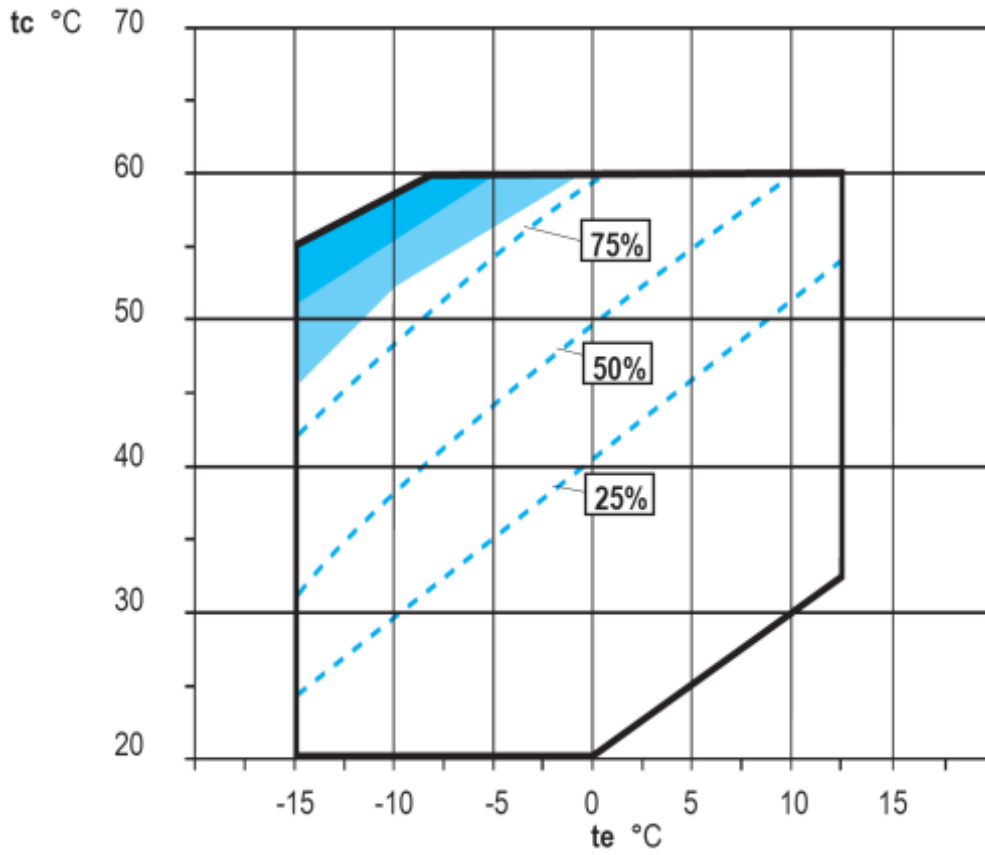
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	557 520	466 370	387 150	318 690	259 490	208 480
40	545 270	499 060	415 580	343 180	280 460	226 270	179 520
50	472 340	431 550	357 550	293 130	236 910	187 830	144 810
55	433 580	395 570	326 460	265 880	212 530	165 250	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	80.40	76.30	72.90	70.00	67.50	65.50
40	100.80	97.50	92.20	88.30	85.50	83.30	81.10
50	118.80	116.50	112.60	109.30	106.40	103.80	101.30
55	130.40	128.80	125.60	122.30	119.20	116.40	-

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