

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH02 120-340 Y

Technical data

Nominal motor power [kW/HP]:	88 / 120
Displacement [m ³ /h]:	340
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	537
Weight gross [kg]:	593
Oil charge [dm ³]:	18

Electrical data

Power supply [V/~ /Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	195
Locked rotor current (D.O.L.) [A]:	834
Max. operating current [A]:	492
Max. power input [kW]:	126

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	54	2 1/8
Discharge line:	DN80	DN80

R404A/R507

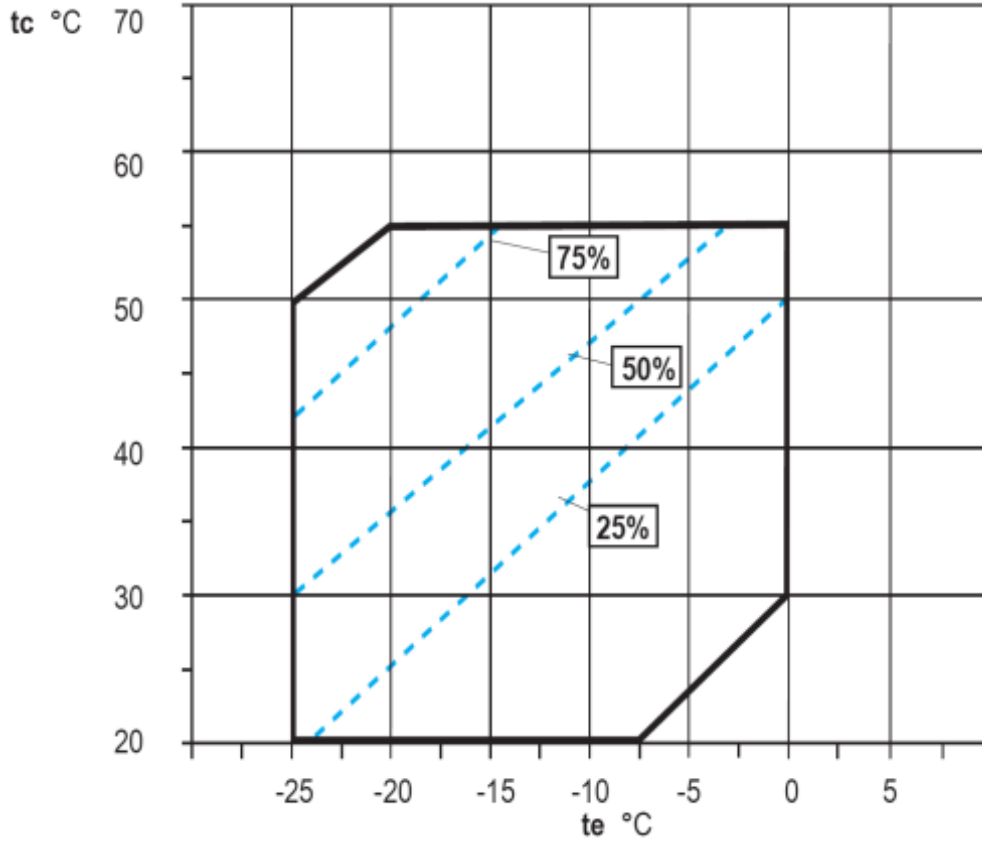
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	343 980	284 220	232 780	188 630	150 970	119 010
40	290 490	237 740	192 500	153 850	121 030	93 350
50	235 250	189 640	150 770	117 810	90 060	66 890
55	206 410	164 650	129 220	99 350	74 370	-

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	70.20	68.40	67.00	65.60	64.20	62.60
40	84.40	82.60	80.80	79.10	77.40	75.50
50	102.40	100.20	97.90	95.50	93.30	91.10
55	113.30	110.60	108.00	105.60	103.10	-

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

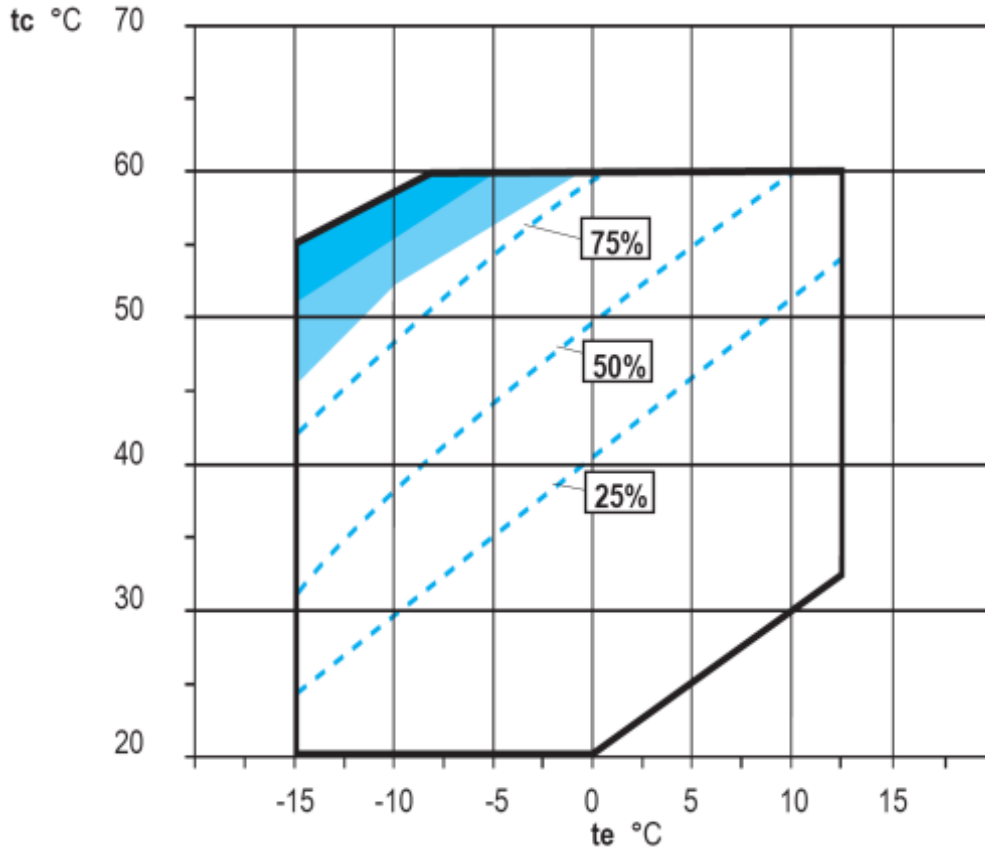
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	438 960	367 180	304 750	250 580	203 900	163 610
40	432 470	395 470	328 760	270 730	220 420	176 930	139 160
50	378 300	344 390	283 170	229 780	183 090	142 140	106 140
55	347 910	315 650	257 080	205 660	160 410	120 230	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	64.40	60.80	57.90	55.50	53.50	51.60
40	77.90	76.10	73.20	70.90	69.10	67.60	66.00
50	92.80	92.10	90.20	88.20	86.00	83.80	81.40
55	102.90	102.40	100.80	98.40	95.40	92.00	-

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