

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH02 120-340 Y ECO

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

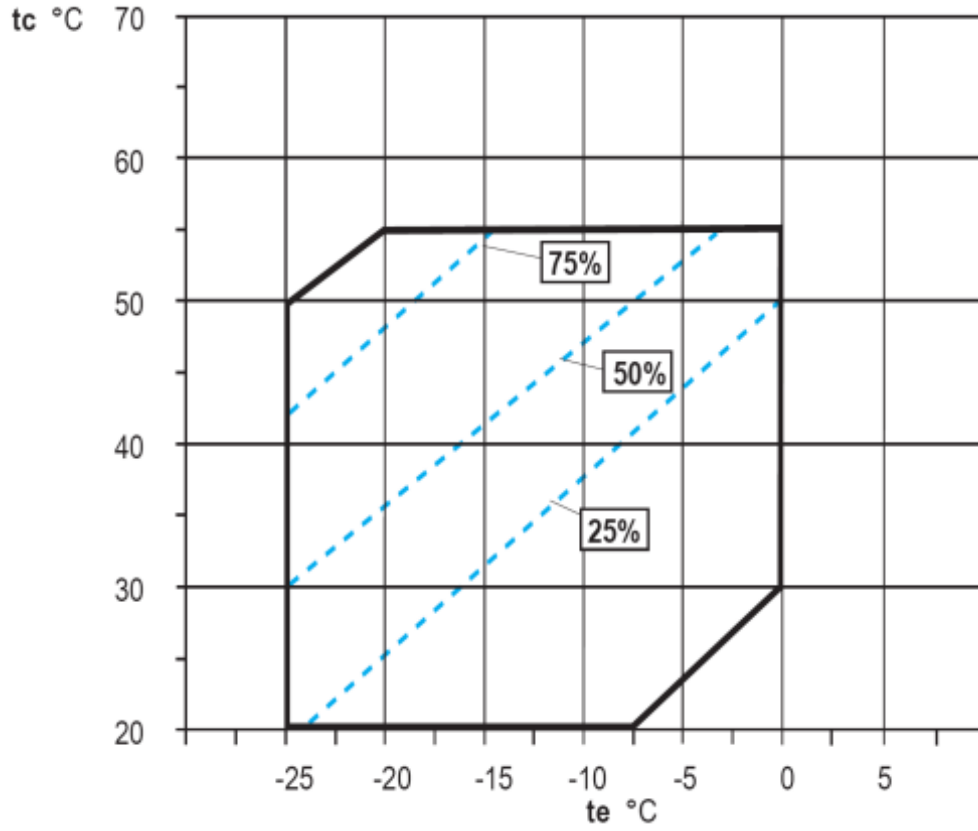
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	376 920	321 660	272 510	228 870	190 230	156 110
40	341 510	290 080	244 290	203 550	167 420	135 450
50	-	-	-	174 110	140 510	110 740

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	74.30	74.40	74.60	74.70	74.60	73.90
40	94.60	95.00	95.30	95.20	94.40	92.90
50	-	-	-	121.30	119.30	116.40

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

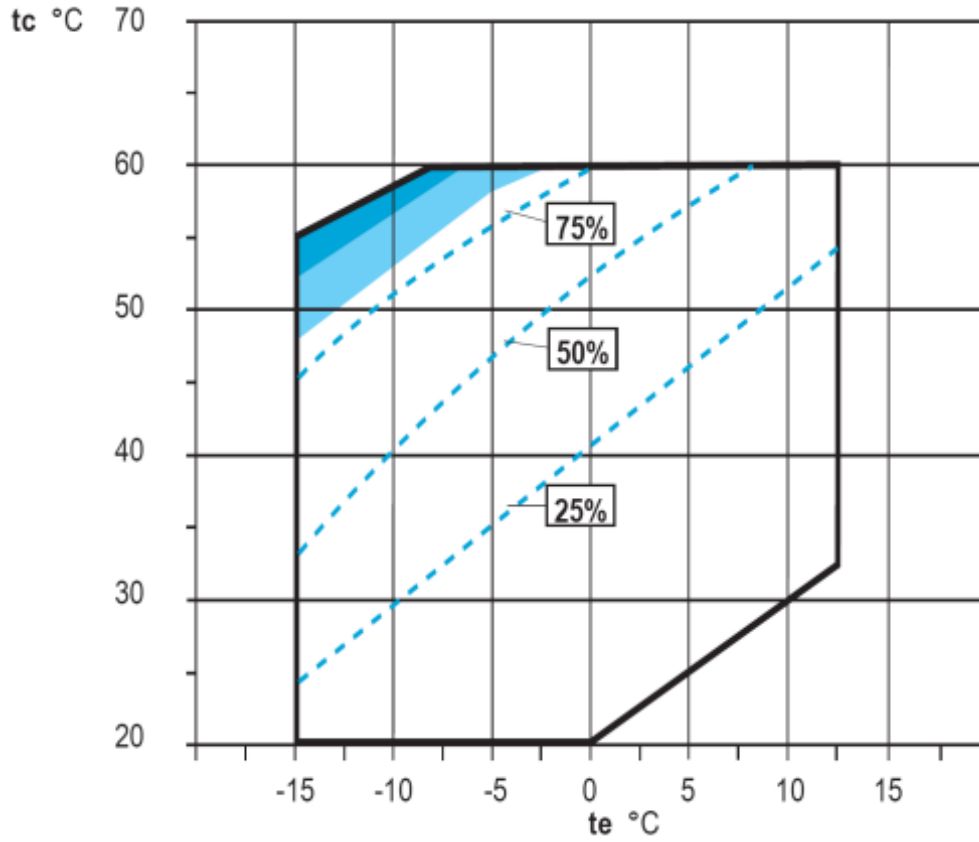
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	452 180	388 650	331 620	280 640	235 060	194 320
40	465 500	431 920	369 490	313 560	263 250	218 220	177 590
50	434 340	401 750	340 980	286 040	236 050	190 360	148 080
55	414 300	382 150	322 040	267 100	216 450	169 330	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	65.30	62.80	61.20	60.10	59.40	58.40
40	81.60	80.70	79.70	79.20	78.90	78.50	77.70
50	103.10	103.50	104.10	103.90	103.10	101.40	98.50
55	118.00	118.90	119.50	118.90	116.80	112.90	-

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