

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH52 110-316 Y ECO

Technical data

Nominal motor power [kW/HP]:	81,5 / 110
Displacement [m ³ /h]:	316
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]:	184
Locked rotor current (D.O.L.) [A]:	727
Max. operating current [A]:	457
Max. power input [kW]:	112

Connections

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

R404A/R507

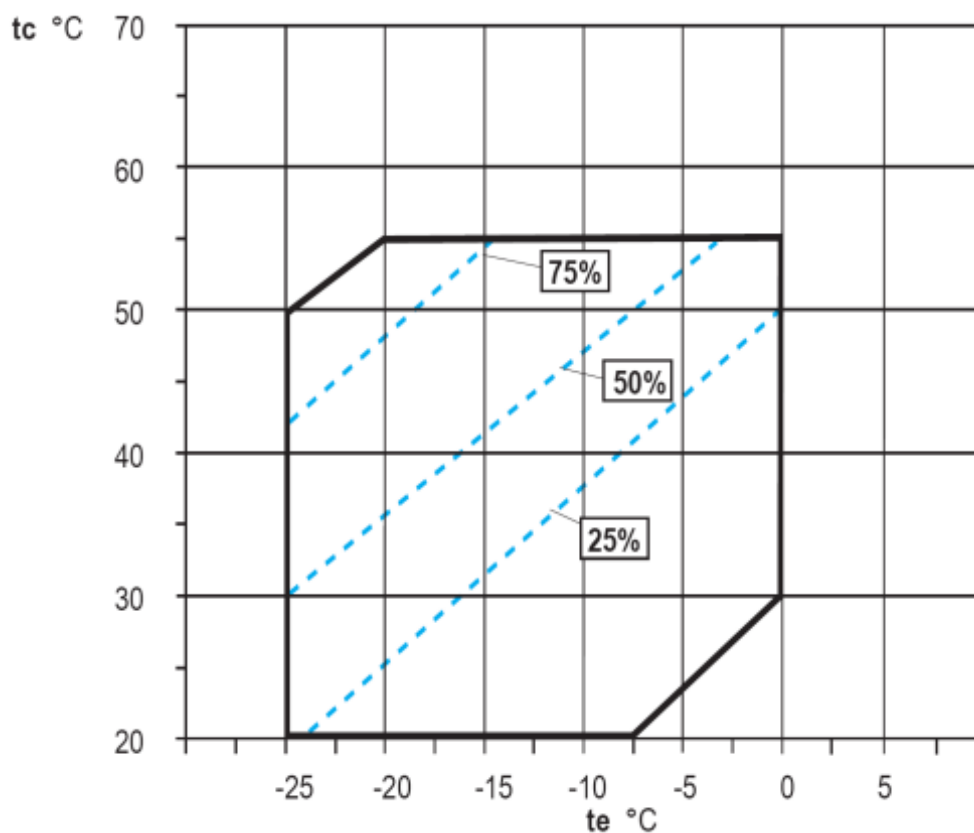
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	350 280	298 920	253 250	212 690	176 790	145 080
40	317 370	269 580	227 020	189 160	155 590	125 880
50	-	-	-	161 800	130 580	102 910

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	69.00	69.10	69.30	69.40	69.30	68.70
40	87.90	88.30	88.60	88.50	87.80	86.40
50	-	-	-	112.70	110.80	108.10

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

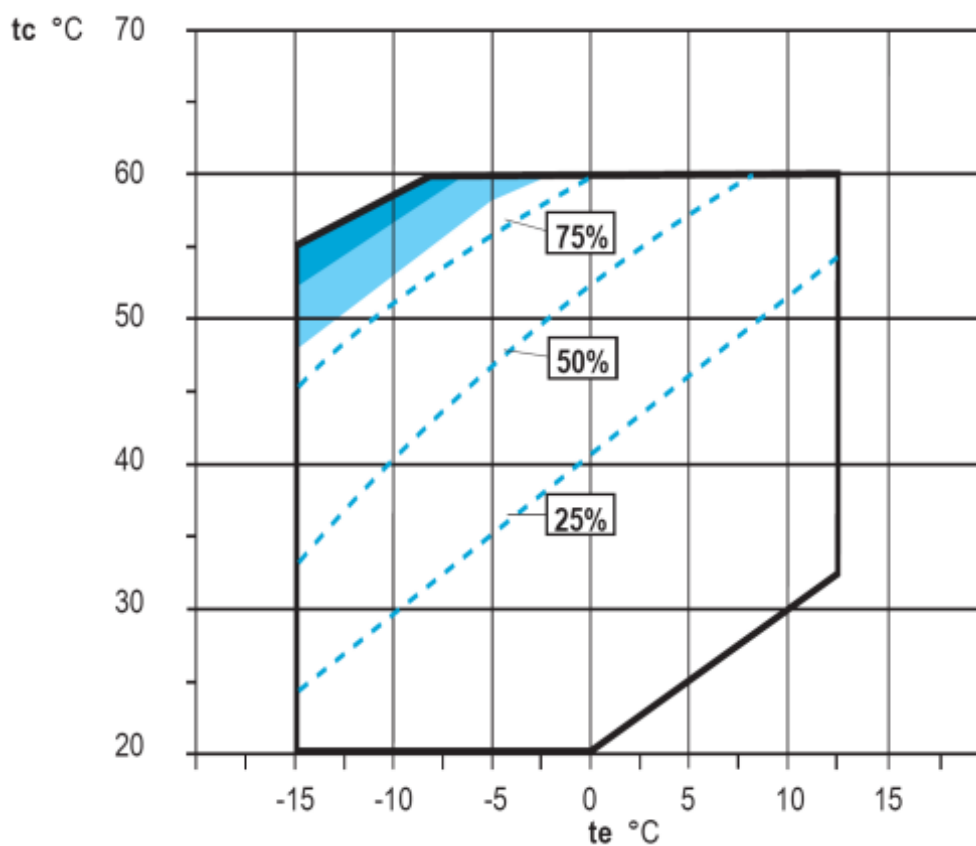
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	420 210	361 180	308 180	260 800	218 450	180 590
40	432 590	401 390	343 370	291 400	244 640	202 790	165 040
50	403 640	373 350	316 870	265 820	219 370	176 900	137 620
55	414 300	355 140	299 270	248 220	201 150	157 360	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	60.70	58.40	56.90	55.90	55.20	54.30
40	75.80	75.00	74.00	73.60	73.30	72.90	72.20
50	95.80	96.20	96.70	96.60	95.80	94.20	91.60
55	109.60	110.50	111.00	110.50	108.50	104.90	-

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