

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH52 110-316 Y

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

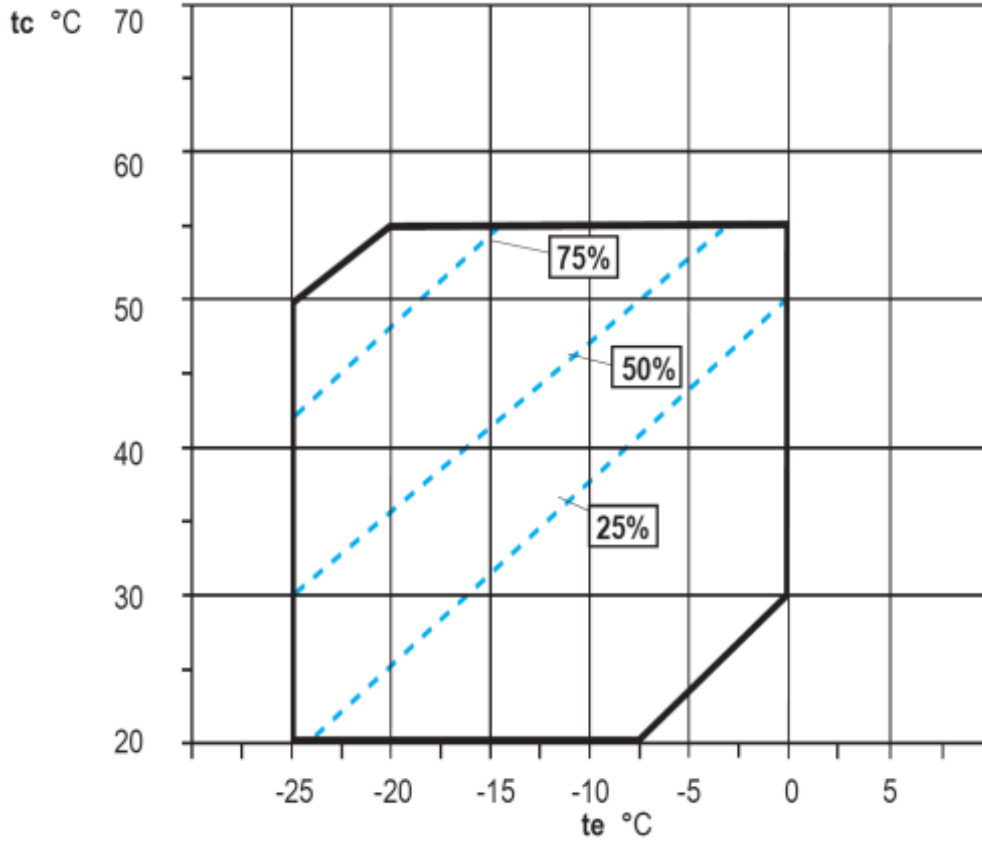
R404A/R507

Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	319 660	264 130	216 320	175 300	140 300	110 590
40	269 950	220 940	178 890	142 970	112 480	86 750
50	218 620	176 240	140 110	109 480	83 700	62 170
55	191 820	153 010	120 090	92 330	69 110	-

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	65.20	63.60	62.30	61.00	59.70	58.20
40	78.40	76.70	75.10	73.50	71.90	70.10
50	95.20	93.10	91.00	88.80	86.70	84.70
55	105.30	102.80	100.40	98.10	95.80	-

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

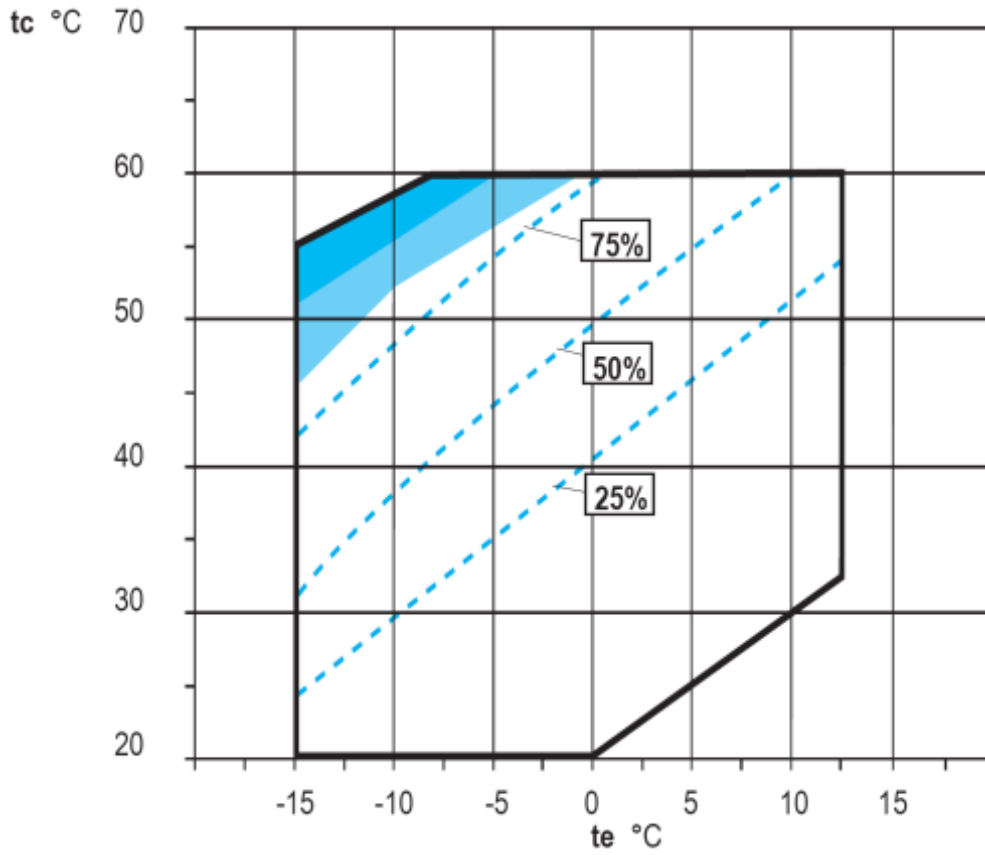
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	407 930	341 220	283 210	232 870	189 490	152 040
40	401 900	367 520	305 520	251 600	204 840	164 420	129 330
50	351 560	320 050	263 160	213 530	170 150	132 090	98 630
55	347 910	293 340	238 910	191 130	149 070	111 730	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	59.90	56.50	53.80	51.60	49.80	47.90
40	72.40	70.70	68.00	65.90	64.20	62.80	61.30
50	86.30	85.60	83.90	82.00	79.90	77.80	75.60
55	95.60	95.20	93.70	91.50	88.70	85.50	-

Application limits



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