

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH52 160-468 Y

Technical data

Nominal motor power [kW/HP]:	120 / 160
Displacement [m ³ /h]:	468
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	878
Weight gross [kg]:	938
Oil charge [dm ³]:	22

Electrical data

Power supply [V/~ /Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	282
Locked rotor current (D.O.L.) [A]:	1114
Max. operating current [A]:	729
Max. power input [kW]:	169

Connections

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

R404A/R507

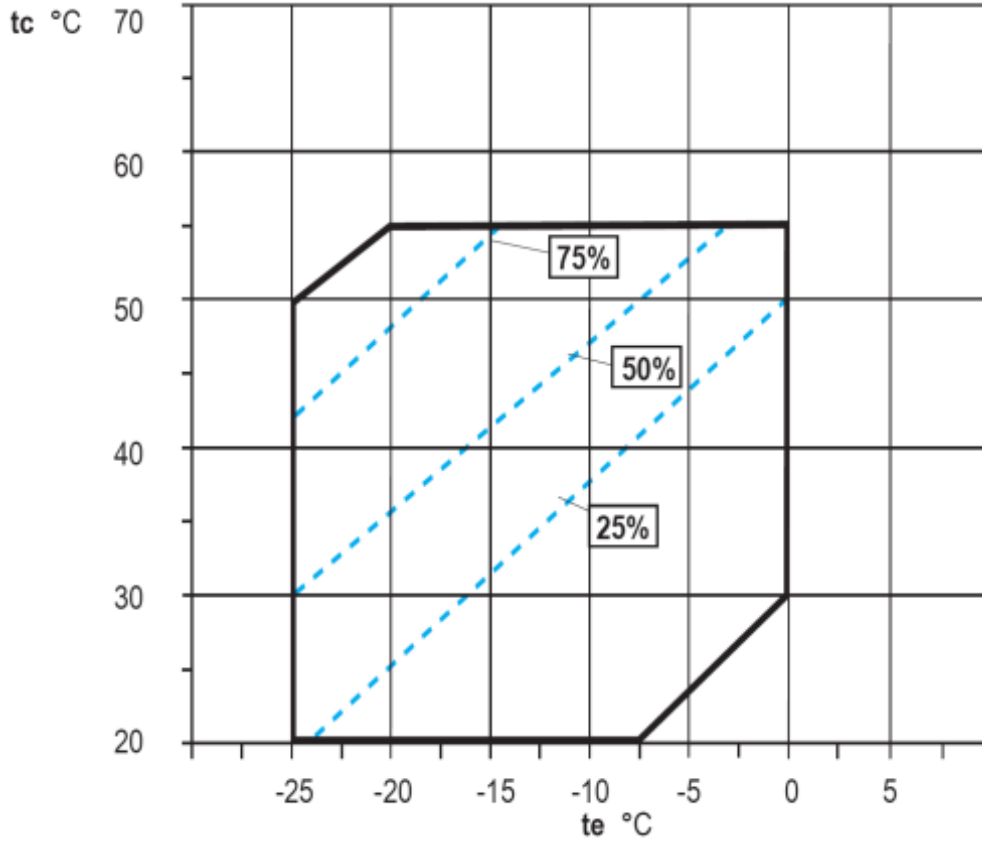
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	469 930	389 590	320 450	261 170	210 640	167 820
40	398 110	327 620	267 100	215 330	171 330	134 130
50	323 580	263 290	211 700	167 720	130 460	99 090
55	284 700	229 790	182 900	143 020	109 320	-

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	97.30	94.30	91.70	89.40	87.10	84.60
40	116.30	113.10	110.20	107.20	104.20	101.30
50	140.50	136.50	132.60	128.80	125.20	121.90
55	155.00	150.60	146.10	141.90	138.10	-

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

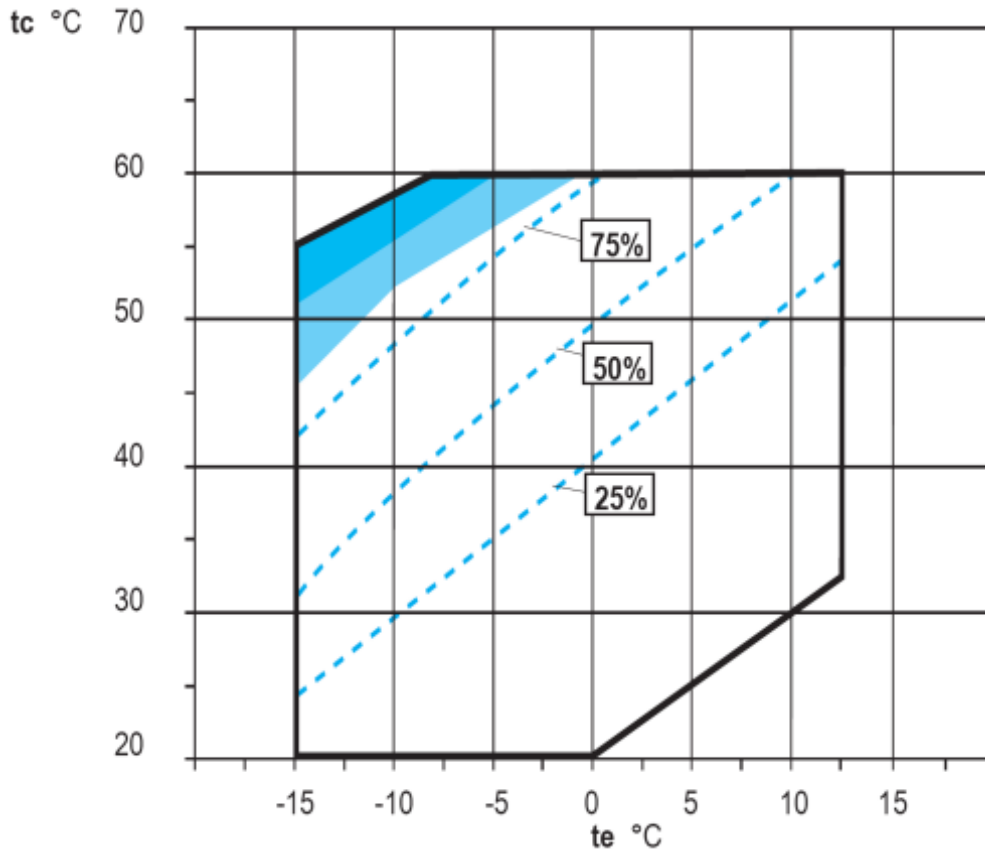
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	609 640	509 980	423 350	348 480	283 750	227 980
40	596 250	545 720	454 440	375 260	306 680	247 420	196 310
50	516 500	471 900	390 980	320 540	259 060	205 390	158 350
55	474 120	432 550	356 980	290 730	232 400	180 700	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	87.90	83.40	79.70	76.60	73.90	71.60
40	110.30	106.60	100.80	96.60	93.50	91.10	88.70
50	129.90	127.40	123.20	119.50	116.30	113.50	110.70
55	142.60	140.90	137.30	133.80	130.40	127.30	-

Application limits



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