

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH52 160-468 Y ECO

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

R404A/R507

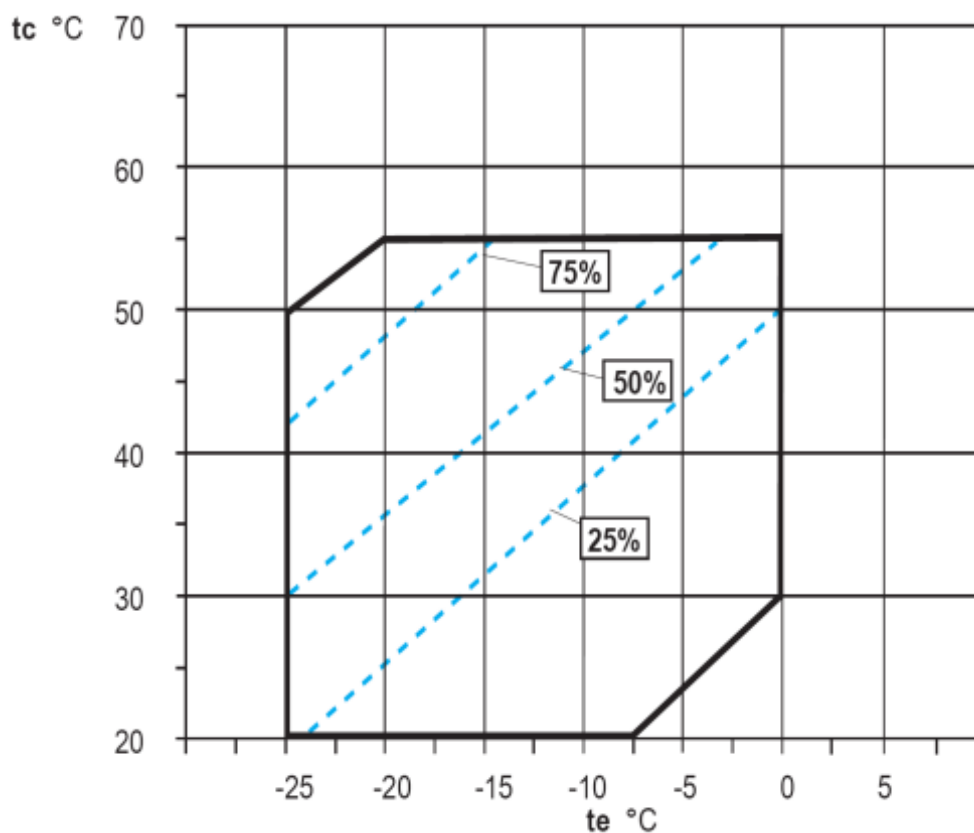
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	489 400	418 840	356 020	300 450	251 550	208 640
40	440 470	375 380	317 820	266 990	222 200	182 720
50	383 790	325 740	274 410	228 930	188 580	152 670
55	-	-	-	207 730	169 740	-

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	98.70	97.40	96.60	96.10	95.50	94.60
40	122.10	121.50	120.80	120.20	119.30	117.80
50	153.80	153.10	152.30	151.10	149.50	147.50
55	-	-	-	170.50	168.60	-

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

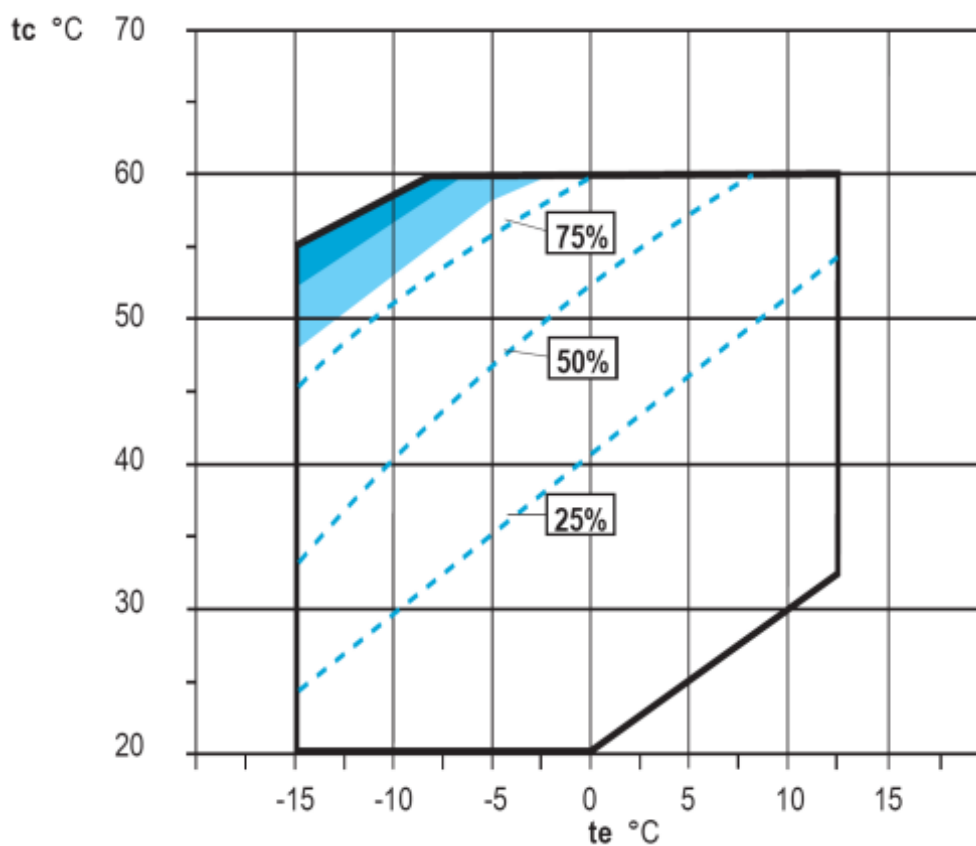
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	610 110	516 960	441 980	374 560	314 250	260 460
40	612 320	568 780	487 970	415 200	350 110	292 010	239 850
50	562 950	522 200	446 640	378 520	317 050	261 280	210 050
55	533 380	494 490	422 190	356 400	296 320	240 550	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	87.90	83.80	81.20	79.40	78.20	77.30
40	111.30	108.40	104.40	102.30	101.10	100.50	99.50
50	135.60	134.60	133.10	132.10	131.30	130.20	128.60
55	152.00	152.00	151.70	151.10	150.20	149.10	-

Application limits



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