

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH52 140-428 Y ECO

Technical data

Nominal motor power [kW/HP]:	104 / 140
Displacement [m ³ /h]:	428
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	875
Weight gross [kg]:	935
Oil charge [dm ³]:	22

Electrical data

Power supply [V/~ /Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	245
Locked rotor current (D.O.L.) [A]:	950
Max. operating current [A]:	579
Max. power input [kW]:	150

Connections

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

R404A/R507

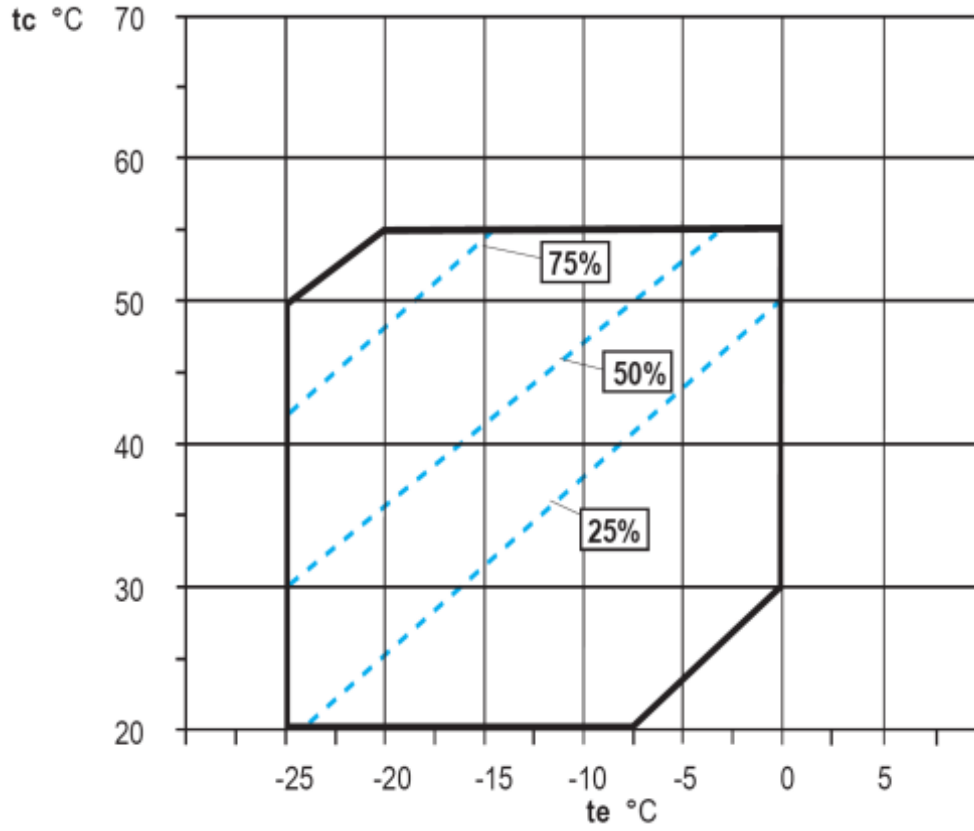
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	447 550	383 030	325 580	274 760	230 040	190 800
40	402 810	343 280	290 640	244 160	203 200	167 100
50	350 970	297 890	250 950	209 360	172 460	139 620
55	-	-	-	189 970	155 230	-

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	90.30	89.00	88.30	87.90	87.40	86.50
40	111.70	111.10	110.40	109.90	109.10	107.70
50	140.60	140.00	139.30	138.20	136.80	134.90
55	-	-	-	156.00	154.20	-

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

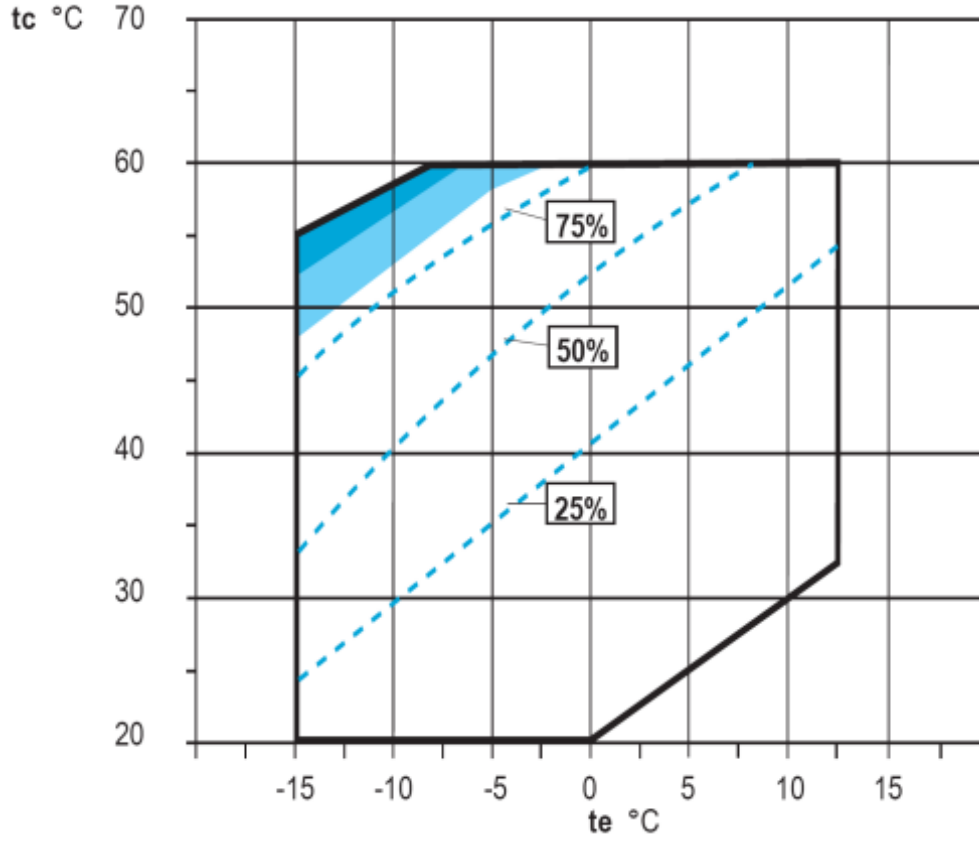
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	557 940	472 760	404 190	342 540	287 380	238 190
40	559 970	520 140	446 250	379 700	320 180	267 050	219 340
50	514 820	477 550	408 450	346 160	289 940	238 940	192 090
55	487 770	452 210	386 090	325 930	270 990	219 980	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	80.40	76.60	74.20	72.70	71.50	70.70
40	101.80	99.20	95.50	93.50	92.50	91.90	91.00
50	124.00	123.10	121.70	120.80	120.00	119.10	117.60
55	139.00	139.00	138.70	138.20	137.40	136.30	-

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