

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH92 240-702 Y ECO

Technical data

Nominal motor power [kW/HP]:	178,3 / 240
Displacement [m ³ /h]:	702
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	1490
Weight gross [kg]:	1564
Oil charge [dm ³]:	36

Electrical data

Power supply [V/~/Hz]:	380-420/3/50
Locked rotor current Y [A]:	650
Locked rotor current Δ [A]:	2029
Max. operating current [A]:	427
Max. power input [kW]:	204

Connections

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

R404A/R507

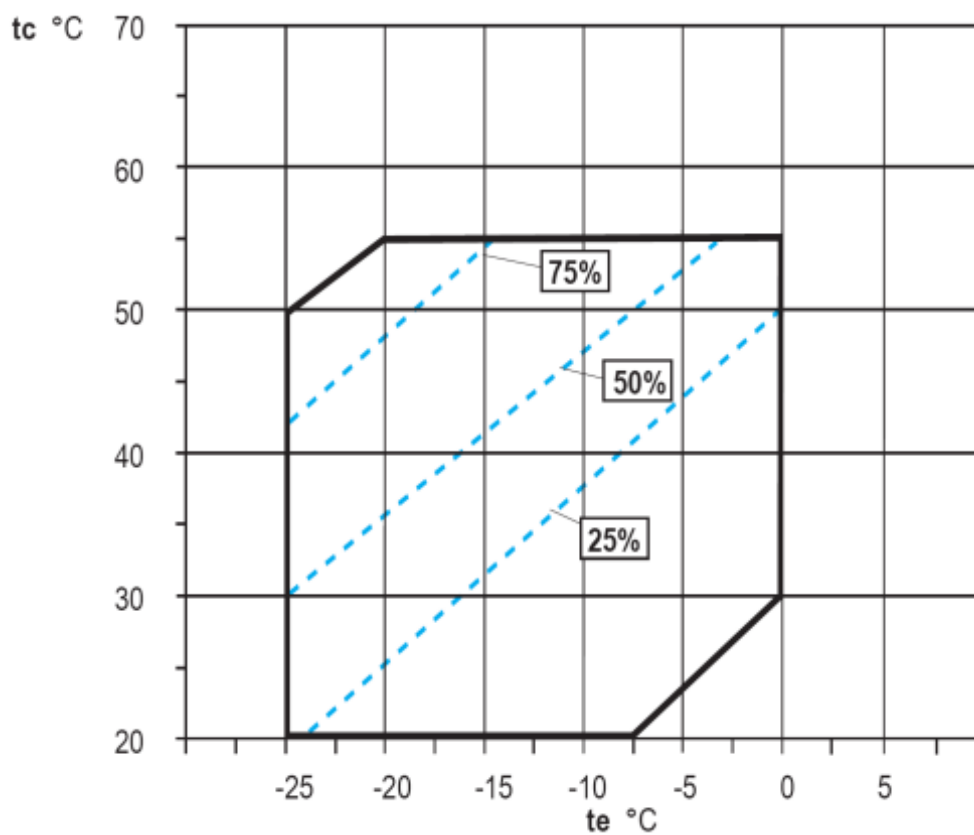
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	741 070	633 110	537 160	452 560	378 390	313 560
40	663 430	564 050	476 580	399 710	332 290	273 160
50	573 410	485 440	408 110	340 020	279 950	226 740
55	523 450	442 020	370 340	307 020	250 840	-

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	146.90	144.80	143.40	142.40	141.30	139.70
40	181.00	179.40	177.90	176.40	174.70	172.40
50	225.70	223.60	221.60	218.60	216.60	213.60
55	252.70	250.70	247.70	244.70	241.70	-

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

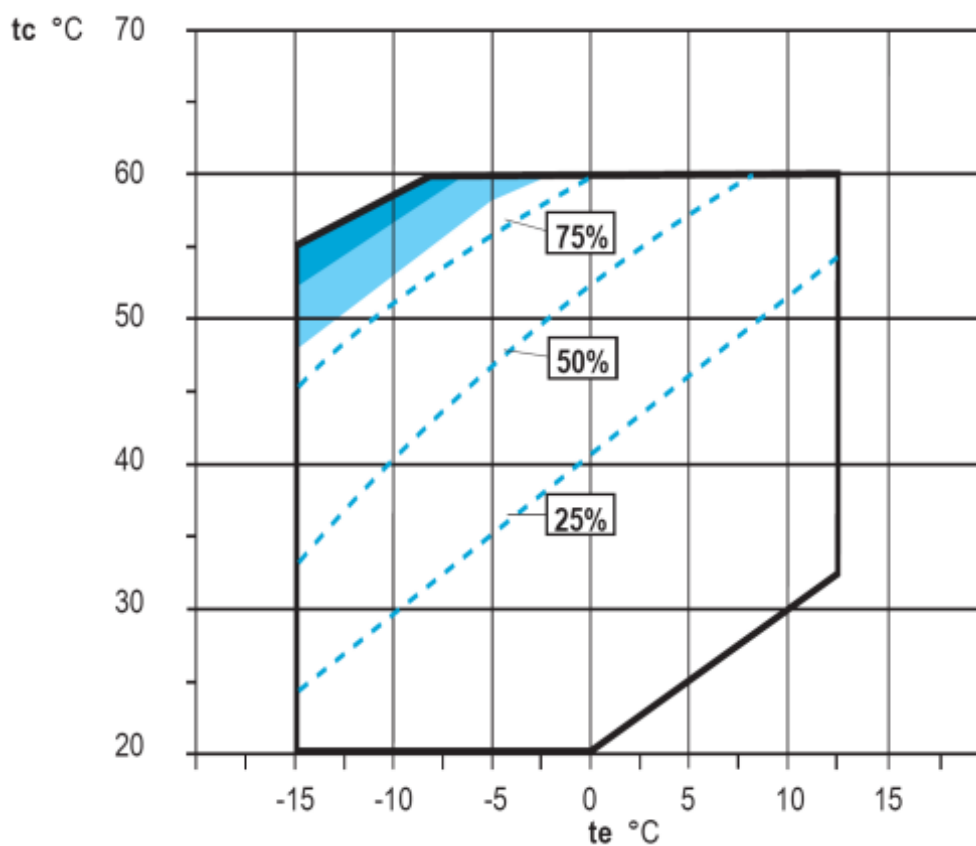
Cooling capacity [W]

t_c \ t_e	12.5	10	5	0	-5	-10	-15
30	-	923 730	783 690	669 830	567 230	475 570	393 940
40	927 930	861 640	738 270	627 480	528 660	440 490	361 920
50	849 980	787 680	672 700	569 480	476 700	392 710	315 990
55	803 020	743 790	634 030	534 800	444 370	361 000	-

Power input [W]

t_c \ t_e	12.5	10	5	0	-5	-10	-15
30	-	130.70	124.80	120.90	118.30	116.40	115.00
40	165.70	161.40	155.30	151.90	150.10	149.00	147.50
50	201.60	199.60	196.90	195.00	193.50	191.80	189.40
55	224.60	224.60	223.60	221.60	220.60	217.60	-

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]

