

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH92 210-620 Y ECO

Technical data

Nominal motor power [kW/HP]:	156 / 210
Displacement [m ³ /h]:	620
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]:	586
Locked rotor current Δ [A]:	1853
Max. operating current [A]:	375
Max. power input [kW]:	245

Connections

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

R404A/R507

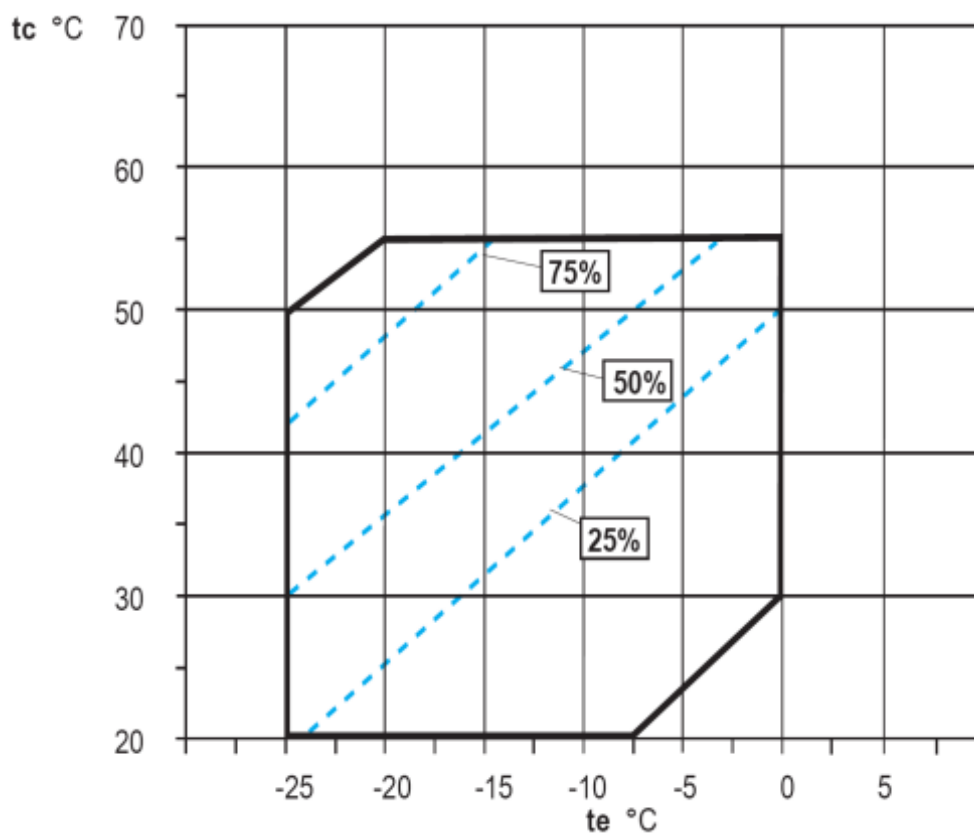
Cooling capacity [W]

t_c \ t_e	0	-5	-10	-15	-20	-25
30	674 300	574 180	485 860	408 140	339 940	280 160
40	602 700	510 700	429 910	358 970	296 750	242 150
50	520 120	438 410	366 820	304 000	248 870	200 390
55	474 440	398 760	332 480	274 300	223 170	-

Power input [W]

t_c \ t_e	0	-5	-10	-15	-20	-25
30	133.20	132.00	131.40	131.00	130.30	129.10
40	165.70	165.10	164.50	163.80	162.60	160.60
50	208.70	207.70	206.70	205.70	203.60	200.30
55	235.90	234.90	233.90	231.90	228.80	-

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

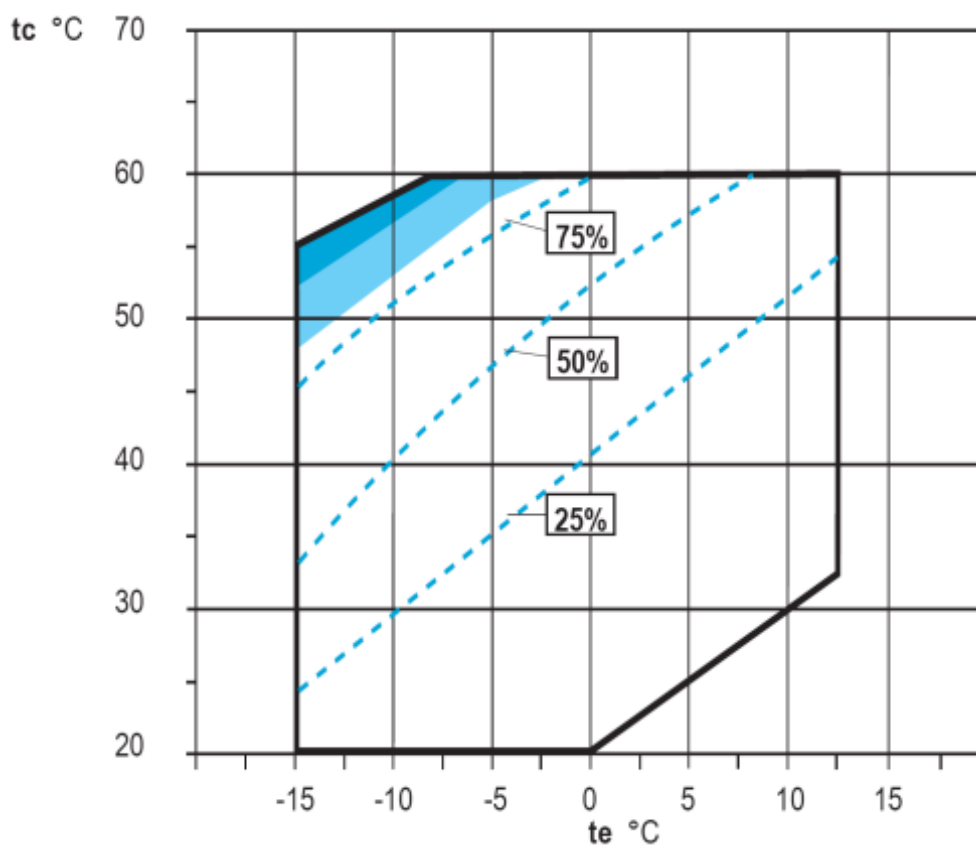
Cooling capacity [W]

t_c \ t_e	12.5	10	5	0	-5	-10	-15
30	-	832 170	714 640	608 940	514 750	430 940	356 400
40	848 210	785 800	670 630	567 910	476 500	395 060	322 260
50	772 530	714 030	606 160	509 500	422 310	343 230	270 540
55	726 880	670 940	567 290	473 410	387 550	307 860	-

Power input [W]

t_c \ t_e	12.5	10	5	0	-5	-10	-15
30	-	118.70	113.70	110.40	108.20	106.80	105.50
40	150.40	147.10	142.40	139.70	138.00	136.30	133.80
50	184.40	183.40	181.50	179.20	176.50	172.90	168.10
55	205.70	205.70	204.60	202.60	198.10	193.30	-

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