

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH91 210-810 Y

Technical data

Nominal motor power [kW/HP]:	156 / 210
Displacement [m ³ /h]:	810
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	1475
Weight gross [kg]:	1549
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]:	356
Max. power input [kW]:	204

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	104	4 1/8
Discharge line:	DN125	DN125

R134a

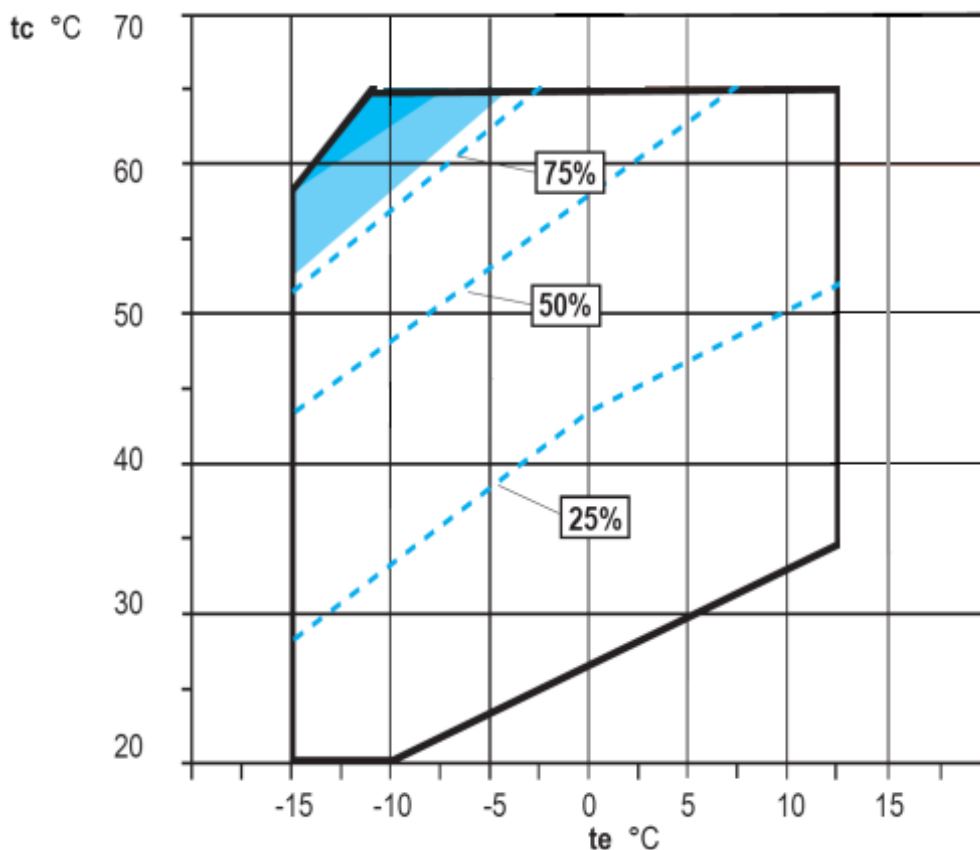
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	610 250	502 180	409 500	330 480	263 350
40	730 950	665 470	548 060	447 170	360 750	287 270	224 870
50	646 790	586 240	477 860	384 870	305 640	238 310	181 560
55	601 320	543 440	439 990	351 520	276 180	212 450	158 980

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	102.30	95.60	90.70	86.90	83.80
40	128.20	123.80	116.50	111.10	107.00	103.40	99.90
50	146.70	143.80	138.40	133.30	128.50	123.80	118.80
55	159.40	156.90	151.80	146.60	141.30	135.80	130.30

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]

