

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH91 210-810 Y ECO

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

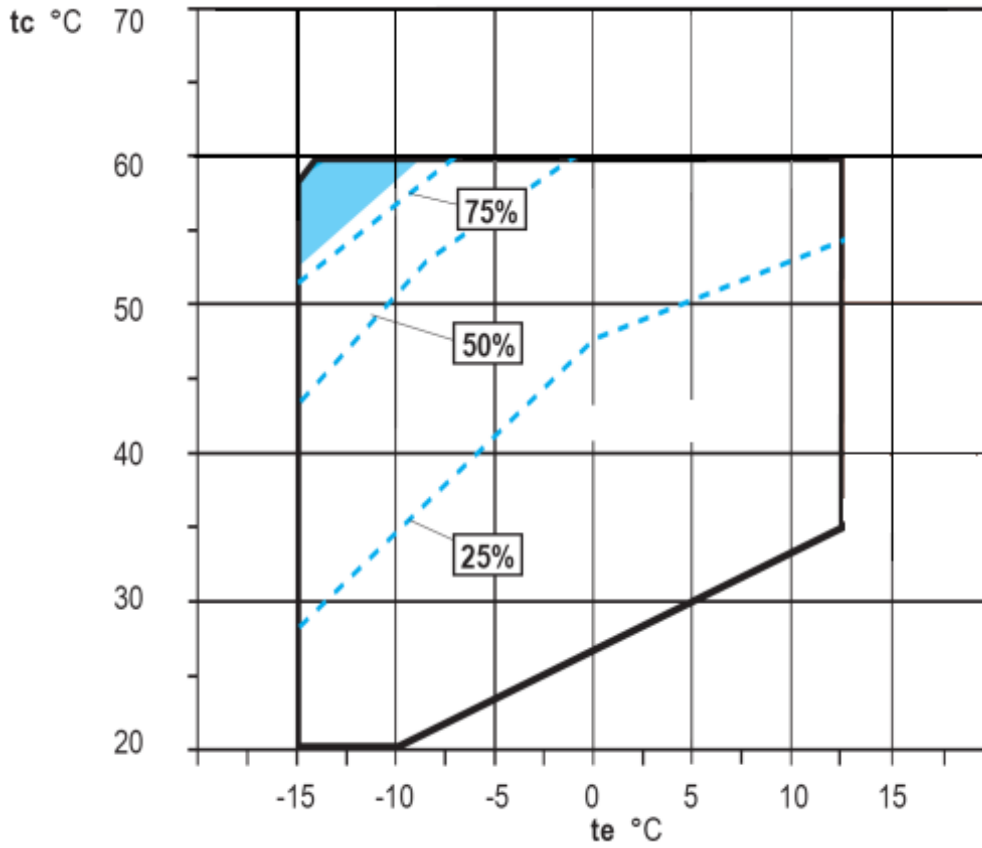
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	647 820	546 000	456 710	378 920	311 180
40	781 650	719 970	607 890	509 570	423 460	348 230	282 650
50	721 920	663 110	556 470	462 870	380 970	309 230	246 420
55	687 120	630 060	526 710	436 090	356 650	287 060	225 890

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	104.90	99.50	96.00	93.60	91.70
40	132.00	128.40	123.10	119.50	117.10	115.10	112.90
50	155.70	153.90	150.90	148.20	145.40	142.20	138.40
55	171.80	170.80	168.40	165.60	162.30	158.30	153.40

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]

