

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH51 110-398 Y ECO

Technical data

Nominal motor power [kW/HP]:	81,5 / 110
Displacement [m ³ /h]:	398
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	870
Weight gross [kg]:	930
Oil charge [dm ³]:	22

Electrical data

Power supply [V/~/Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	180
Locked rotor current (D.O.L.) [A]:	727
Max. operating current [A]:	457
Max. power input [kW]:	110

Connections

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

R134a

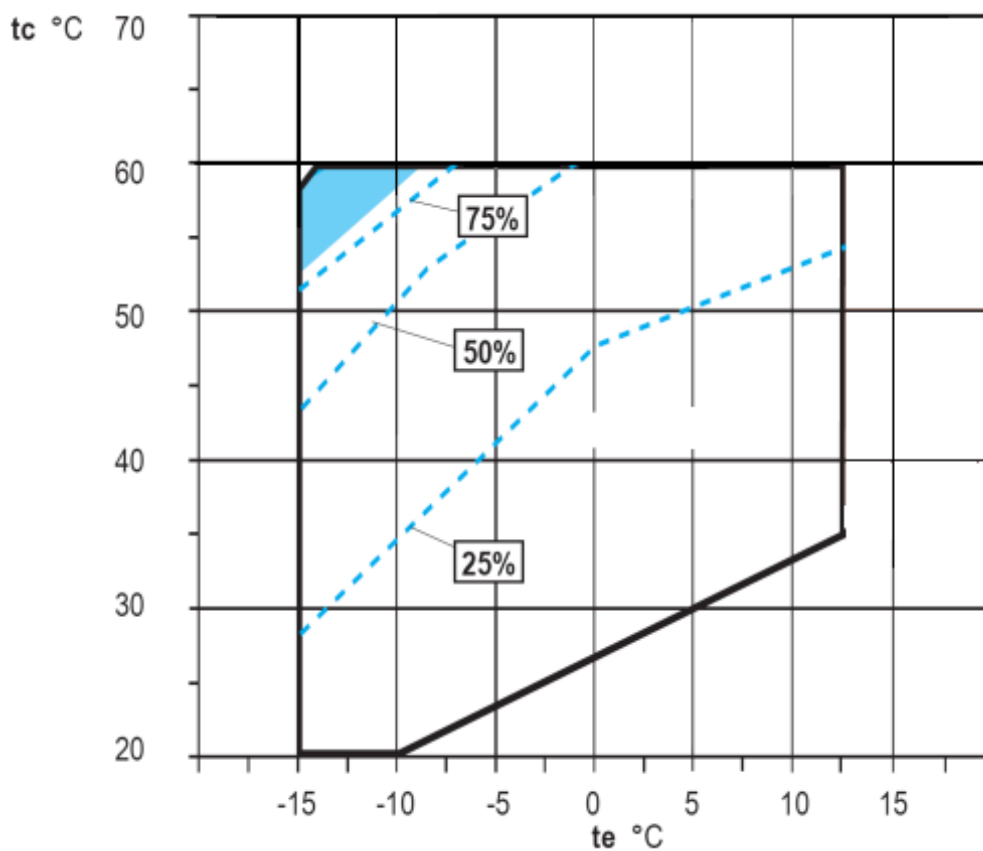
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	314 960	268 120	226 340	189 210	155 940
40	381 190	352 780	300 700	254 360	213 270	176 640	144 060
50	357 430	330 100	280 000	235 550	196 240	161 390	130 300
55	342 980	316 340	267 830	224 760	186 740	152 970	122 970

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	48.10	47.50	46.90	46.40	46.00
40	60.20	59.90	59.60	59.70	59.80	59.70	59.10
50	75.60	75.60	75.90	76.30	76.40	75.80	74.40
55	85.20	85.40	85.90	86.20	86.00	85.00	83.00

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]

