

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH51 110-398 Y

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

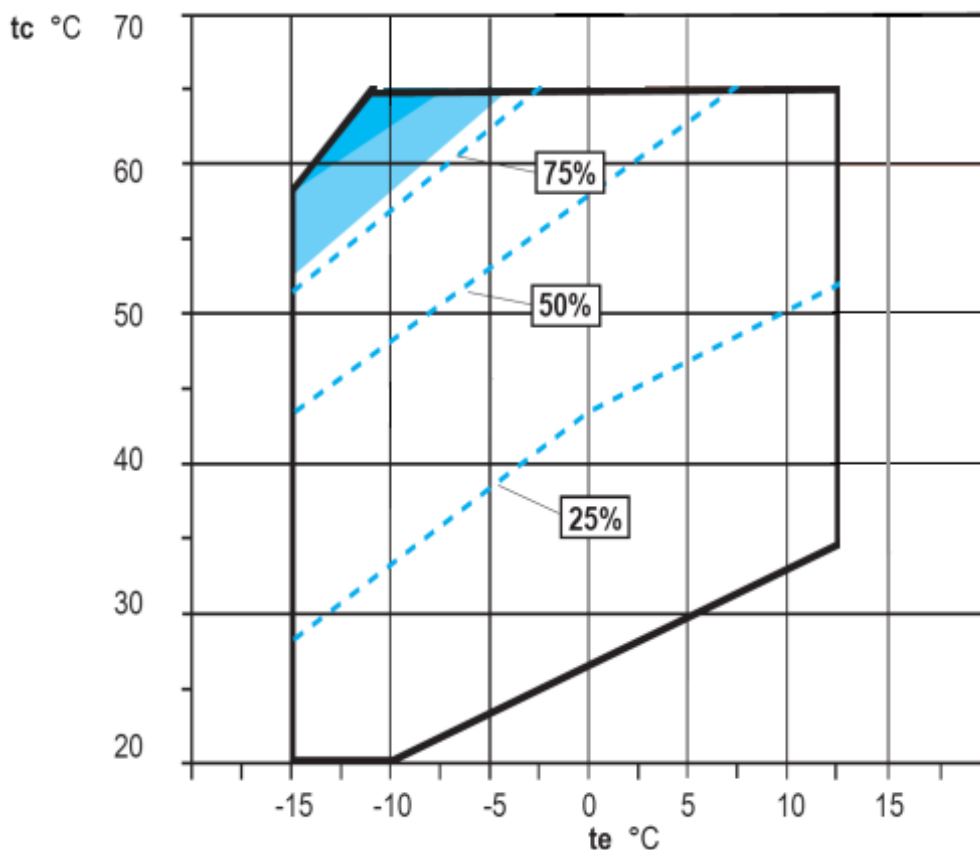
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	301 490	249 310	204 360	165 550	132 080
40	361 190	329 510	272 680	223 670	181 390	145 150	113 960
50	320 800	291 690	239 410	194 460	155 940	123 070	95 050
55	298 920	271 190	221 690	179 110	142 770	111 880	85 640

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	47.60	46.10	44.70	43.50	42.40
40	59.10	58.30	57.10	56.00	55.10	54.10	52.70
50	71.90	71.20	70.10	69.10	67.90	66.40	64.30
55	79.60	79.00	77.90	76.60	75.20	73.30	70.70

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]

