

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH51 140-538 Y

Technical data

Nominal motor power [kW/HP]:	104 / 140
Displacement [m ³ /h]:	538
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	878
Weight gross [kg]:	938
Oil charge [dm ³]:	22

Electrical data

Power supply [V/~/Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	221
Locked rotor current (D.O.L.) [A]:	950
Max. operating current [A]:	579
Max. power input [kW]:	135

Connections

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

R134a

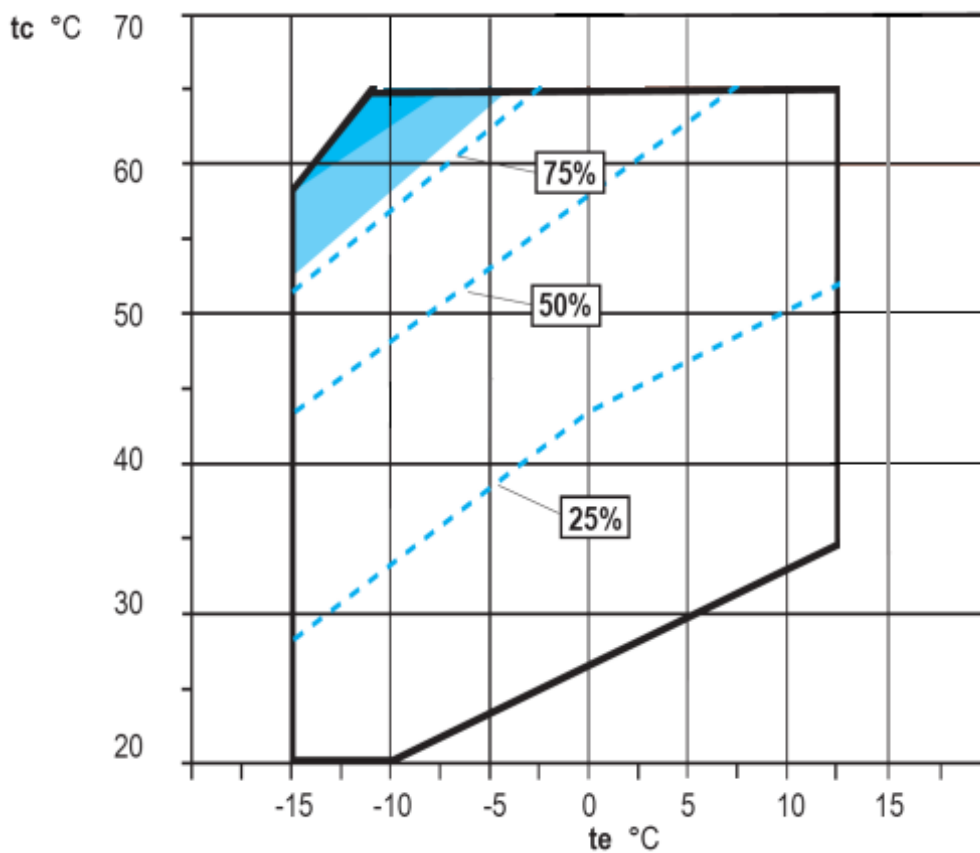
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	409 260	335 920	270 800	220 020	175 090
40	488 340	444 540	366 280	299 100	241 970	193 450	152 730
50	429 880	390 390	319 820	259 510	208 320	165 040	128 730
55	399 210	361 970	295 610	238 790	190 580	149 960	115 910

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	63.50	60.70	58.40	56.50	54.90
40	77.80	76.50	74.00	71.70	69.60	67.70	66.00
50	92.70	91.70	89.50	87.10	84.80	82.70	80.90
55	102.60	101.60	99.30	96.70	94.30	92.20	90.70

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]

