

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH51 140-538 Y ECO

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

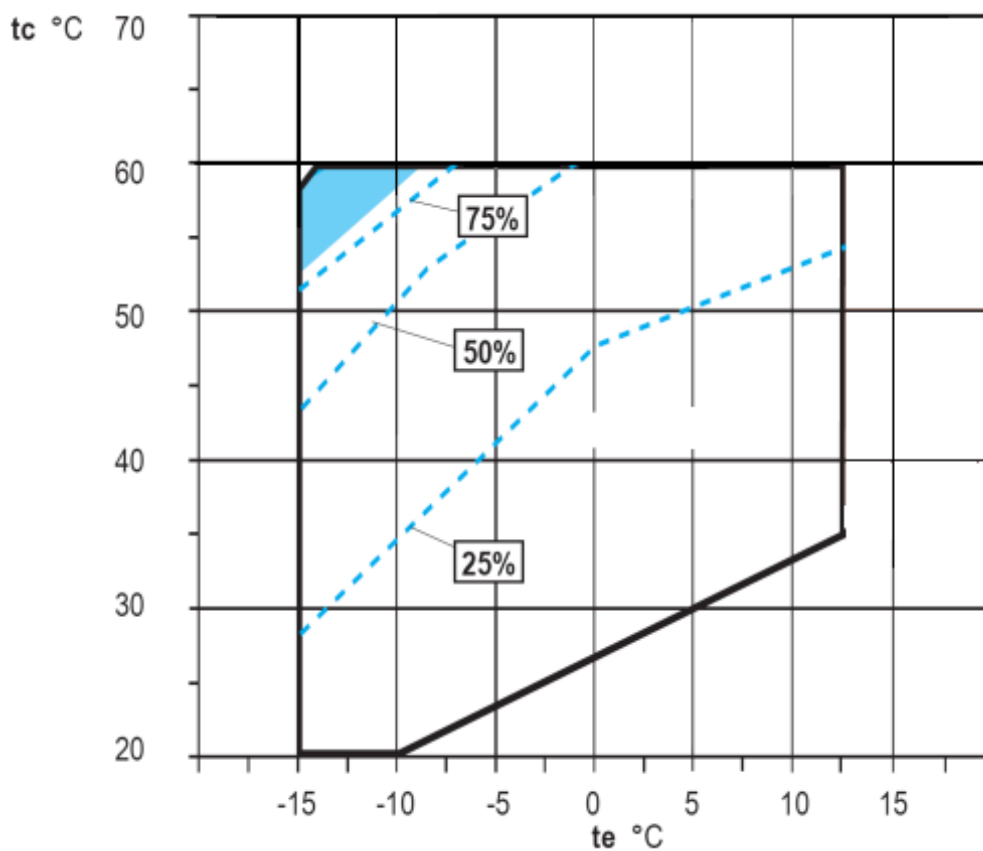
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	425 570	358 590	299 710	248 430	204 010
40	512 040	472 140	399 510	335 720	280 020	231 400	189 350
50	472 750	435 410	367 620	308 230	256 330	211 090	171 810
55	450 490	414 700	349 770	292 840	242 990	199 500	161 550

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	64.30	62.20	60.70	59.60	58.80
40	79.00	78.20	76.70	75.50	74.50	73.60	72.90
50	96.40	96.10	95.40	94.40	93.40	92.40	91.60
55	108.10	108.00	107.30	106.40	105.40	104.40	103.70

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]

