

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH01 100-370 Y ECO

Technical data

Nominal motor power [kW/HP]:	75 / 100
Displacement [m ³ /h]:	370
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	540
Weight gross [kg]:	596
Oil charge [dm ³]:	18

Electrical data

Power supply [V/~ /Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	175
Locked rotor current (D.O.L.) [A]:	656
Max. operating current [A]:	401
Max. power input [kW]:	103

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	54	2 1/8
Discharge line:	DN80	DN80

R134a

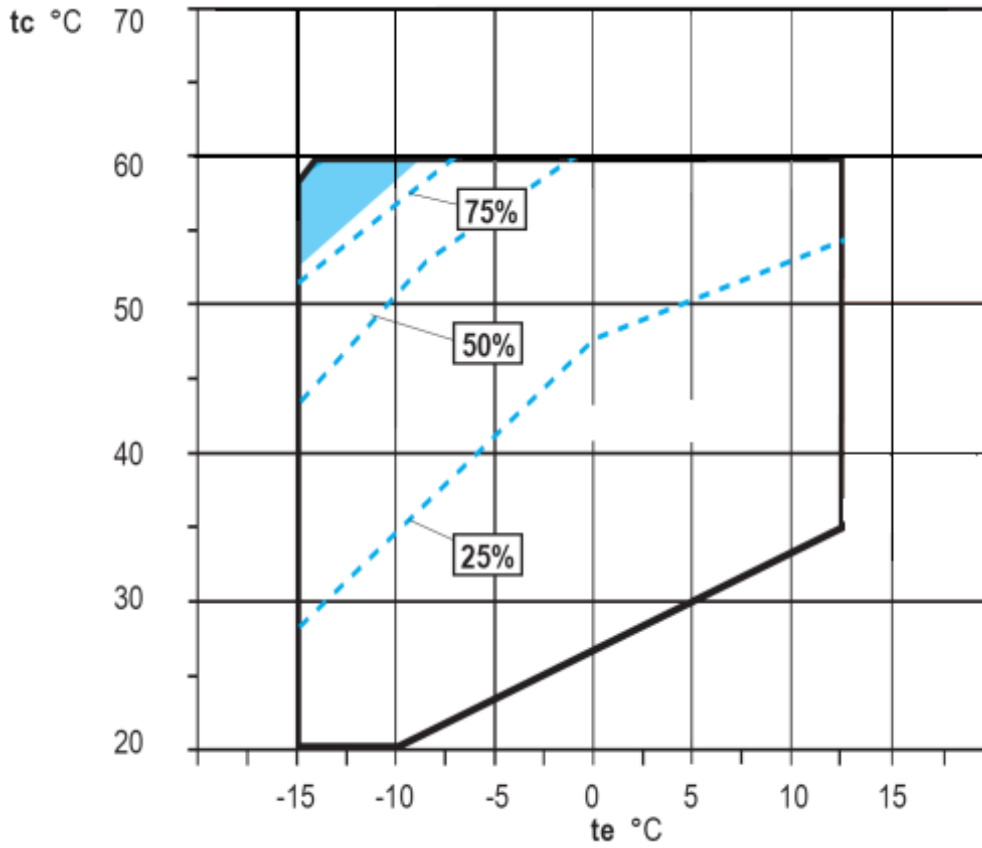
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	286 200	240 820	201 060	166 240	136 020
40	343 590	316 750	267 550	224 310	186 460	153 320	124 340
50	315 060	289 900	244 080	203 750	168 370	137 260	109 740
55	298 670	274 630	230 820	192 180	158 260	128 270	67 960

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	46.90	45.10	44.00	43.50	43.20
40	59.50	58.40	56.50	54.90	53.70	53.00	52.50
50	71.10	70.40	68.90	67.60	66.50	66.00	65.70
55	78.70	78.10	76.90	75.80	75.00	74.70	75.00

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]

