

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH01 50-199 Y

Technical data

Nominal motor power [kW/HP]:	37 / 50
Displacement [m ³ /h]:	199
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	490
Weight gross [kg]:	546
Oil charge [dm ³]:	18

Electrical data

Power supply [V/~ /Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	80
Locked rotor current (D.O.L.) [A]:	332
Max. operating current [A]:	206
Max. power input [kW]:	53

Connections

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

R134a

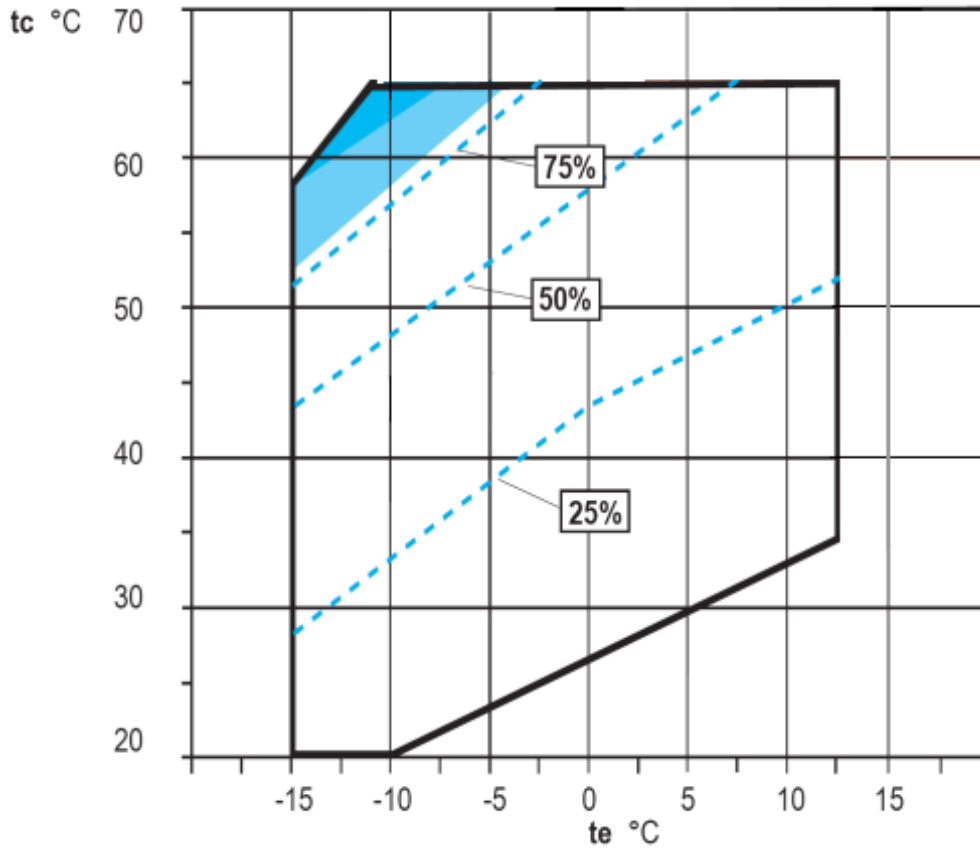
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	147 750	120 850	97 780	77 990	61 300
40	175 200	159 590	130 540	105 710	84 380	66 150	50 790
50	151 250	136 620	110 650	88 300	69 240	52 750	39 460
55	137 960	124 250	99 940	79 020	61 300	46 210	33 640

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	25.70	25.10	24.20	23.40	22.80
40	31.70	31.40	30.40	29.30	28.30	27.30	26.30
50	37.40	36.40	35.40	34.30	33.20	32.50	32.40
55	41.00	40.30	38.40	37.40	36.40	36.30	36.30

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]

