

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH01 50-199 Y ECO

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

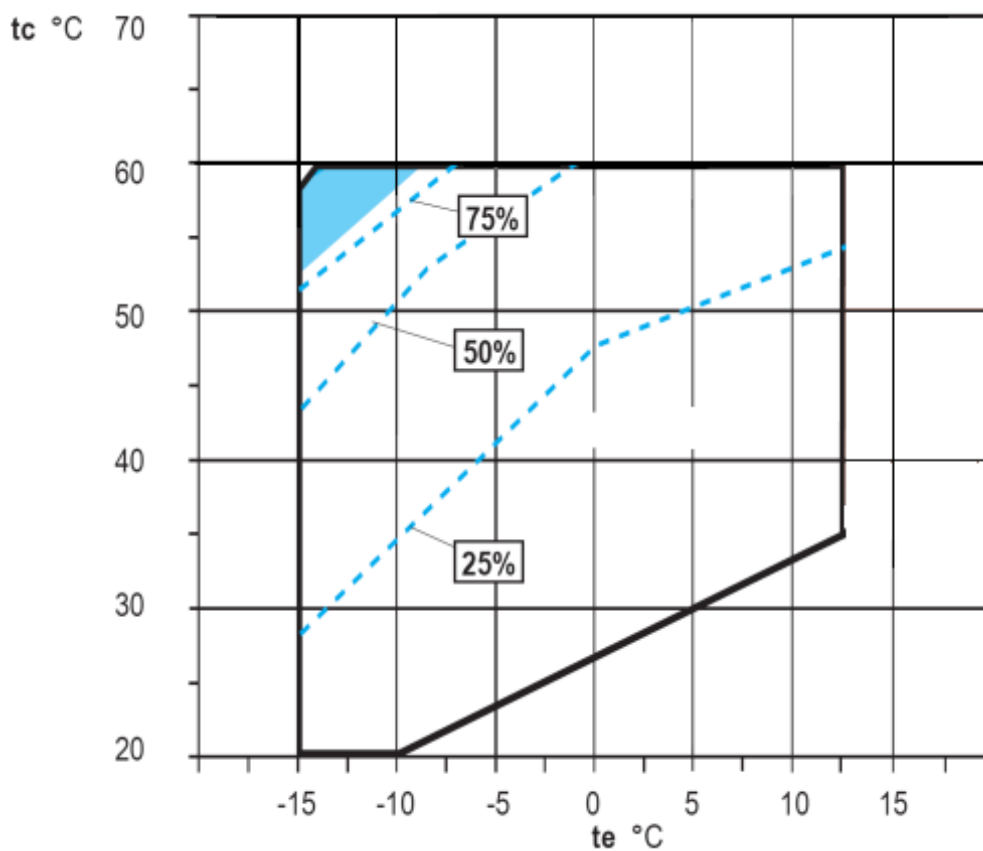
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	160 520	134 970	112 510	92 620	75 210
40	193 390	178 140	150 220	125 390	103 440	84 070	67 070
50	176 800	162 380	135 900	112 410	92 620	73 250	56 870
55	166 910	153 000	127 450	104 780	84 690	66 870	51 100

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	26.80	26.60	26.30	25.90	25.50
40	33.40	33.40	33.10	32.60	32.00	31.40	31.00
50	41.50	41.30	40.70	40.00	39.40	38.90	38.60
55	49.50	46.20	45.50	44.70	44.10	43.70	43.60

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]

