

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH02 70-199 Y ECO

Technical data

Nominal motor power [kW/HP]:	52 / 70
Displacement [m ³ /h]:	199
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	510
Weight gross [kg]:	566
Oil charge [dm ³]:	18

Electrical data

Power supply [V/~ /Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	128
Locked rotor current (D.O.L.) [A]:	518
Max. operating current [A]:	298
Max. power input [kW]:	78

Connections

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

R404A/R507

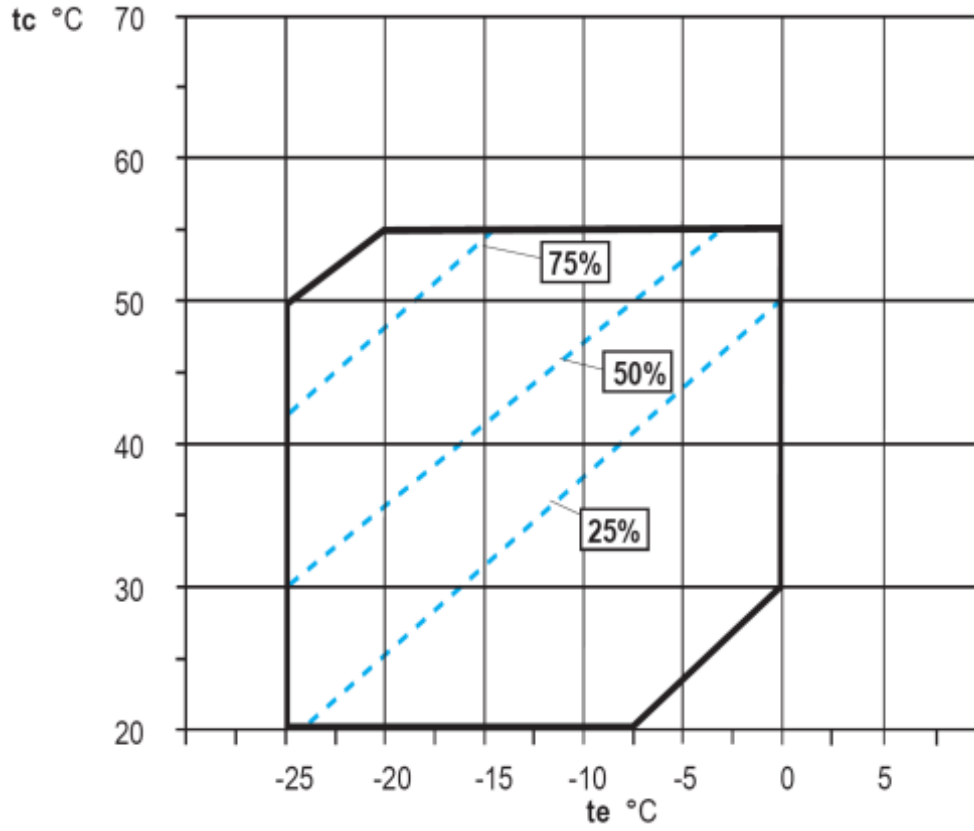
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	213 710	182 200	154 250	129 510	107 690	88 490
40	193 220	164 030	138 080	115 040	94 650	76 660
50	170 110	143 180	119 170	97 790	78 810	62 010
55	-	-	-	-	69 980	-

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	44.10	44.00	44.10	44.20	44.10	43.70
40	56.00	56.20	56.30	56.20	55.80	54.90
50	72.40	72.50	72.20	71.50	70.40	68.80
55	-	-	-	-	79.30	-

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]

R407C

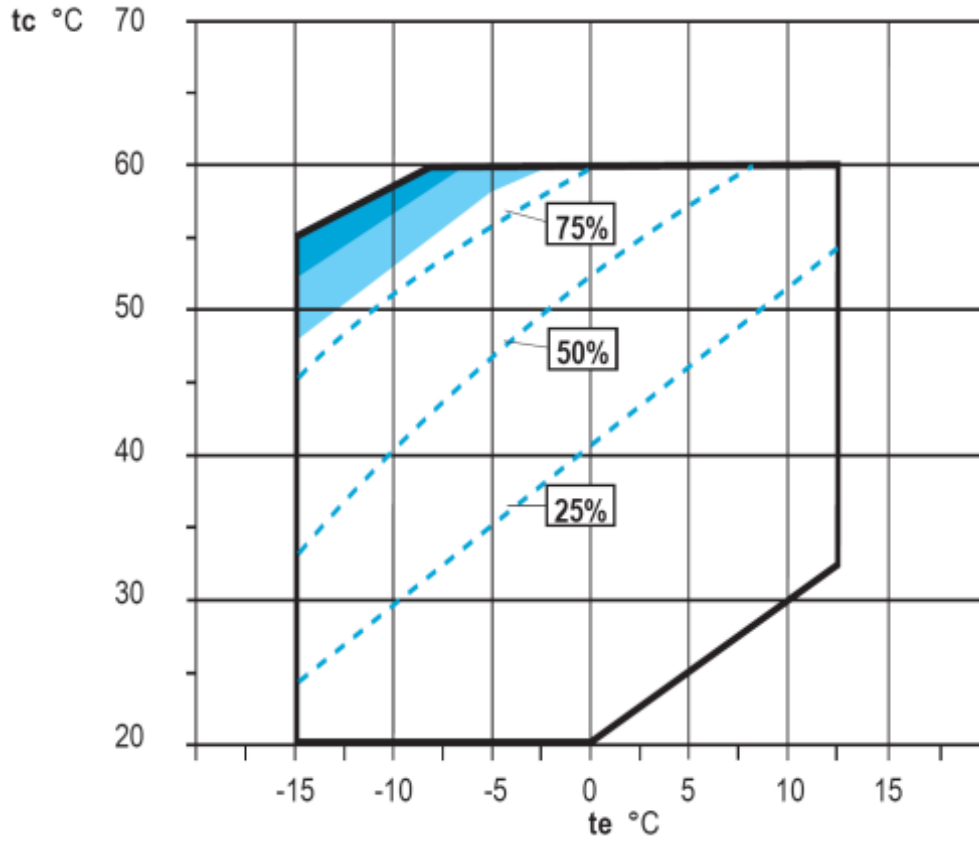
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	255 510	219 450	187 000	1 291 380	132 290	109 320
40	260 560	241 610	206 470	174 950	146 720	121 370	98 700
50	240 780	222 550	188 750	158 150	130 330	104 880	81 530
55	228 830	211 010	177 730	147 230	119 210	93 140	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	38.80	37.30	36.30	35.70	35.20	34.50
40	48.40	47.90	47.20	46.90	46.60	46.40	45.90
50	61.00	61.20	61.40	61.30	60.70	59.70	58.00
55	69.60	70.10	70.50	70.00	68.70	66.40	-

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