

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH02 80-230 Y ECO

Technical data

Nominal motor power [kW/HP]:	60 / 80
Displacement [m ³ /h]:	230
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	520
Weight gross [kg]:	576
Oil charge [dm ³]:	18

Electrical data

Power supply [V/~/Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	145
Locked rotor current (D.O.L.) [A]:	600
Max. operating current [A]:	373
Max. power input [kW]:	88

Connections

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

R404A/R507

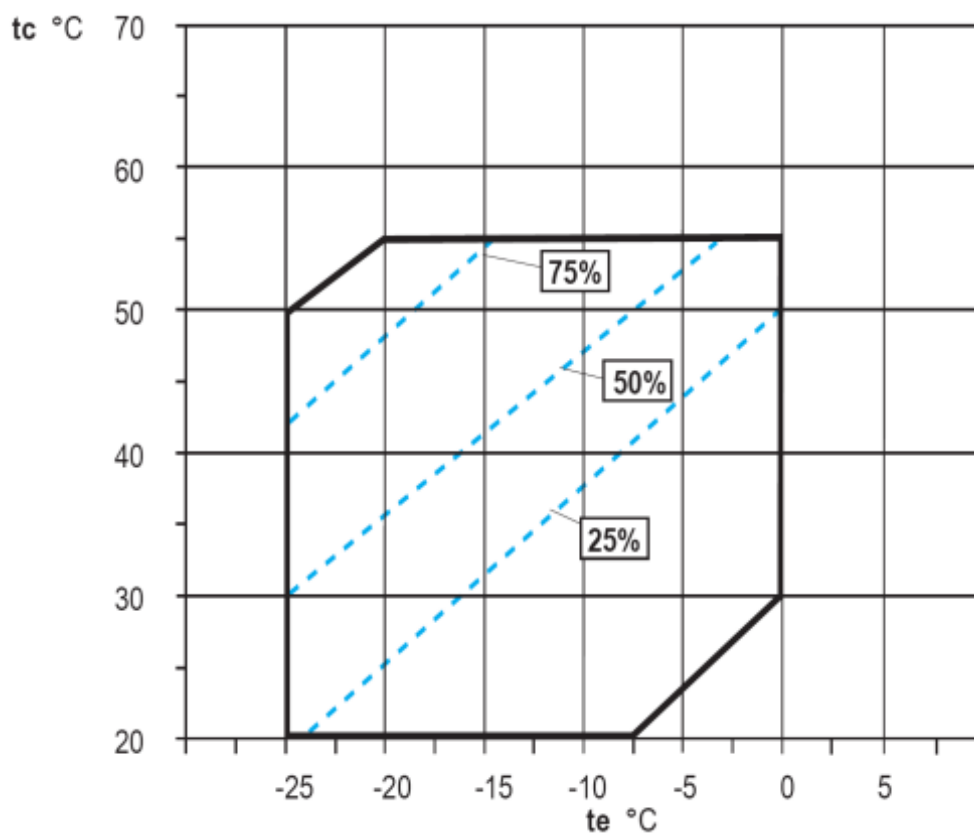
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	241 870	205 880	174 150	146 270	121 860	100 540
40	216 480	183 640	154 760	129 360	107 060	87 490
50	187 070	157 860	132 130	109 420	89 370	71 630

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	50.20	50.10	50.20	50.40	50.40	50.10
40	63.80	64.30	64.70	64.90	64.70	63.90
50	84.50	85.70	86.20	85.90	84.70	82.60

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]

R407C

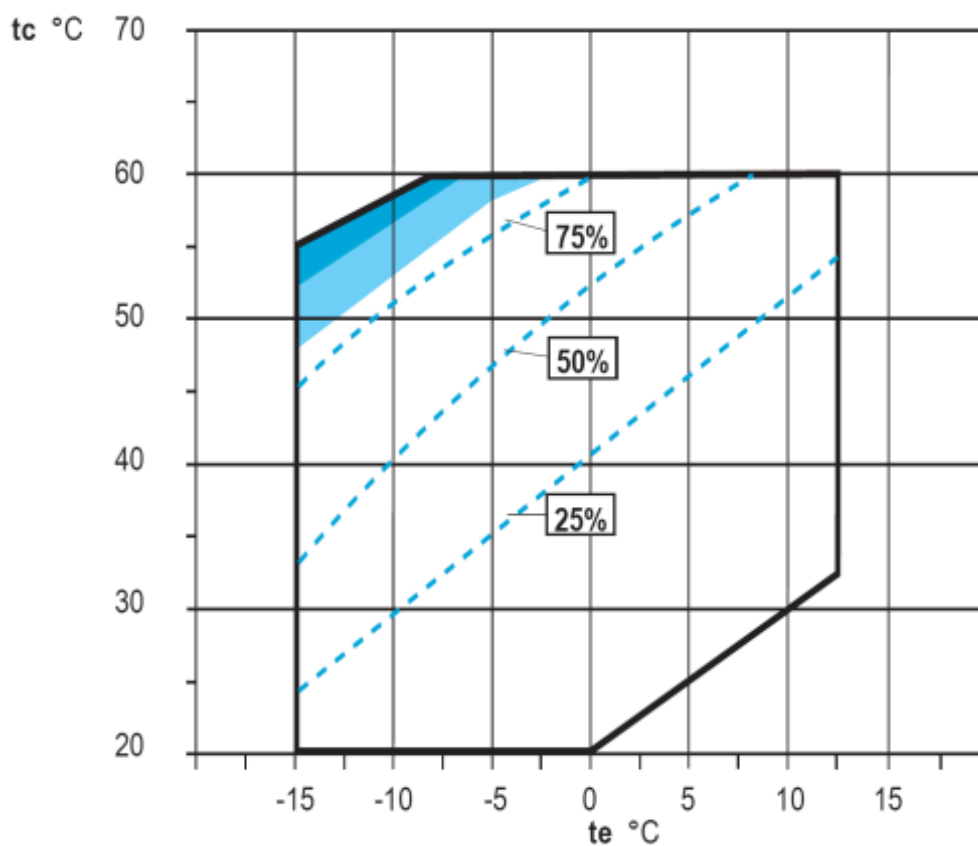
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	296 710	254 960	217 440	183 850	153 880	127 320
40	302 910	280 690	239 660	203 080	170 420	141 270	115 230
50	276 450	255 580	217 030	182 410	151 090	122 780	96 530
55	260 430	240 380	203 280	169 590	138 690	109 960	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	45.10	43.30	42.00	41.30	40.90	40.60
40	57.30	56.10	54.60	53.90	53.50	53.00	52.20
50	71.40	71.30	71.10	70.80	70.10	68.80	66.60
55	81.20	81.70	82.00	81.40	79.90	77.50	-

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