

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH02 80-230 Y

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

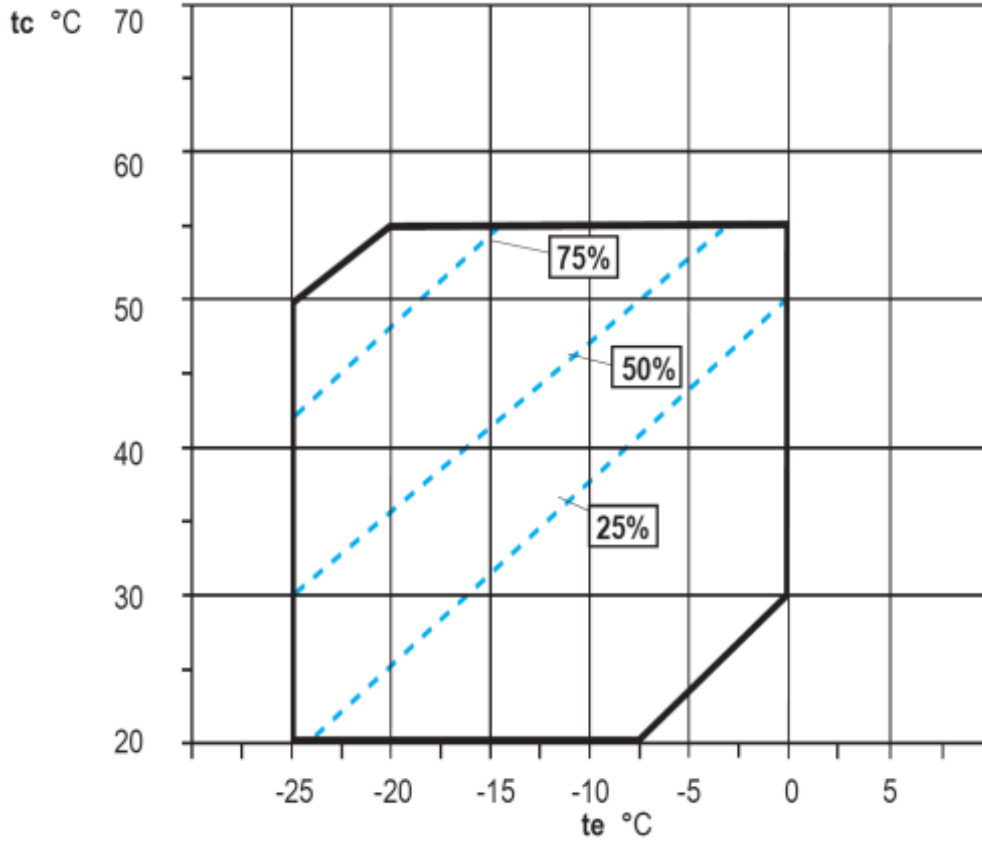
R404A/R507

Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	225 730	186 670	153 100	124 360	99 900	79 230
40	190 970	156 680	127 280	102 180	80 890	62 960
50	154 120	124 750	99 690	78 410	60 480	45 480
55	134 840	108 130	85 440	66 260	50 200	-

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	48.00	46.70	45.60	44.60	43.50	42.40
40	57.70	56.20	54.90	53.60	52.20	50.90
50	69.80	68.10	66.30	64.50	62.80	61.30
55	77.10	75.10	73.10	71.20	69.40	-

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]

R407C

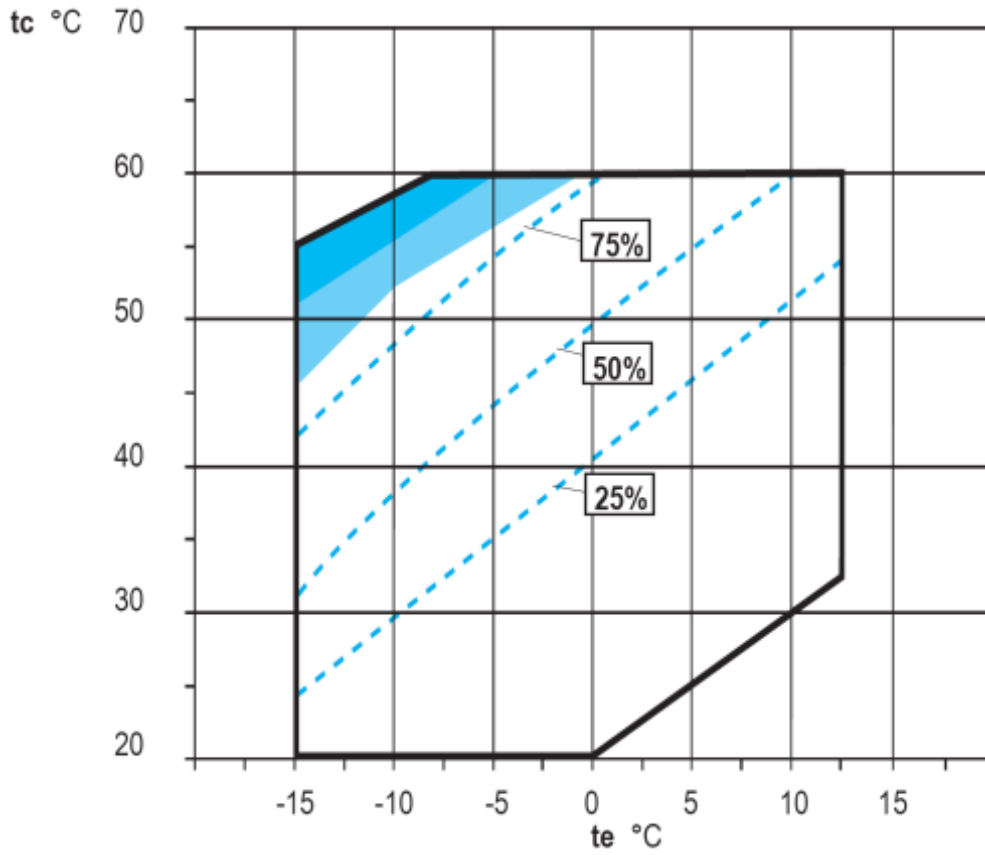
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	291 130	244 410	202 970	167 010	136 000	109 240
40	234 800	261 980	217 750	179 310	146 030	117 300	92 390
50	247 510	225 500	185 820	151 090	120 920	94 460	71 210
55	226 120	205 560	168 140	135 280	106 340	80 710	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	44.90	42.30	40.20	38.60	37.30	36.20
40	55.50	53.70	50.90	48.70	47.10	45.60	44.10
50	65.30	64.00	61.90	59.80	57.80	55.70	53.70
55	71.20	70.40	68.30	66.00	63.50	61.30	-

Application limits



With liquid injection or oil cooler

Operating conditions: suction gas temperature 10K, 0K subcooling

t_c - Condensing temperature [$^{\circ}\text{C}$]

t_e - Evaporating temperature [$^{\circ}\text{C}$]

