

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH02 90-264 Y

Technical data

Nominal motor power [kW/HP]:	67 / 90
Displacement [m ³ /h]:	264
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]:	166
Locked rotor current (D.O.L.) [A]:	698
Max. operating current [A]:	423
Max. power input [kW]:	96

Connections

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

R404A/R507

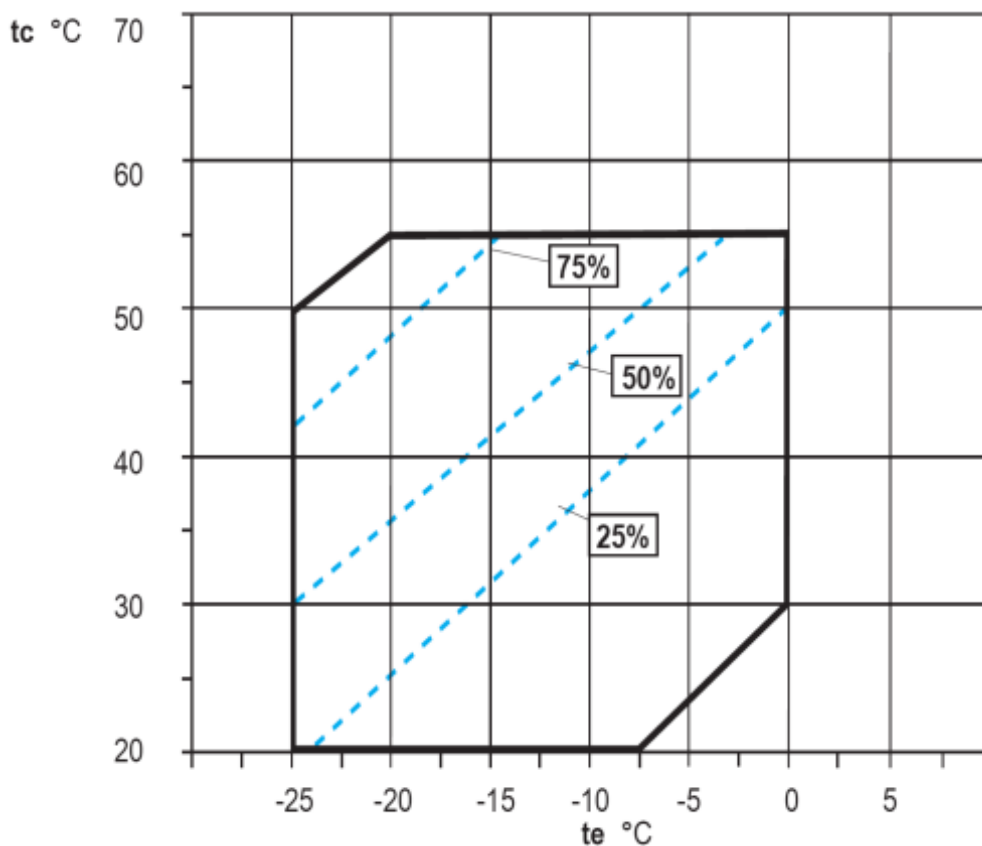
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	258 310	213 970	175 850	143 210	115 440	91 960
40	218 730	179 950	146 700	118 310	94 220	73 910
50	177 120	144 040	115 790	91 800	71 570	54 620
55	155 360	125 330	99 780	78 180	60 050	-

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	55.40	53.60	52.20	50.90	49.50	48.20
40	66.20	64.40	62.70	61.00	59.30	57.60
50	80.00	77.80	75.50	73.30	71.20	69.40
55	88.20	85.60	83.20	80.70	78.60	-

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

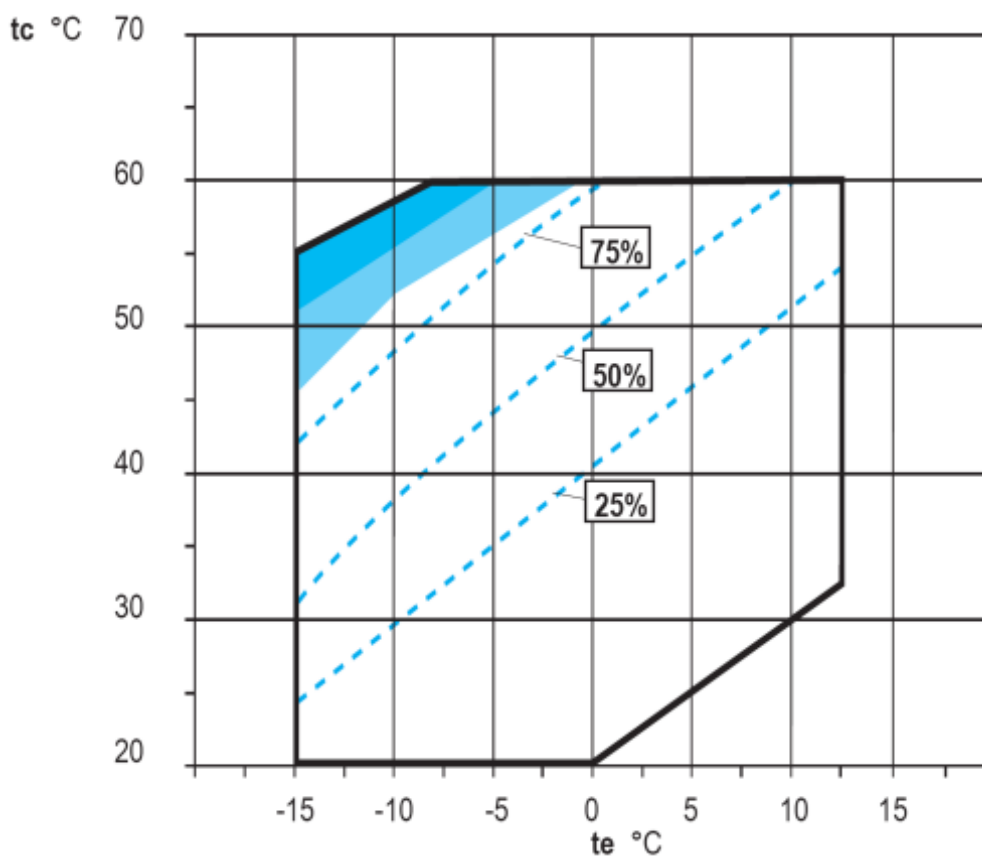
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	333 870	279 280	231 900	190 890	155 400	124 820
40	326 560	298 910	248 910	205 500	167 930	135 570	105 720
50	282 830	258 410	214 060	175 540	141 830	112 510	86 730
55	259 560	236 810	195 480	159 160	127 220	98 940	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	50.30	47.80	45.60	43.80	42.40	41.00
40	63.10	61.10	57.70	55.40	53.50	52.20	50.80
50	74.40	73.00	70.50	68.50	66.60	65.00	63.40
55	81.70	80.60	78.60	76.50	74.70	72.90	-

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