

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH02 90-264 Y ECO

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

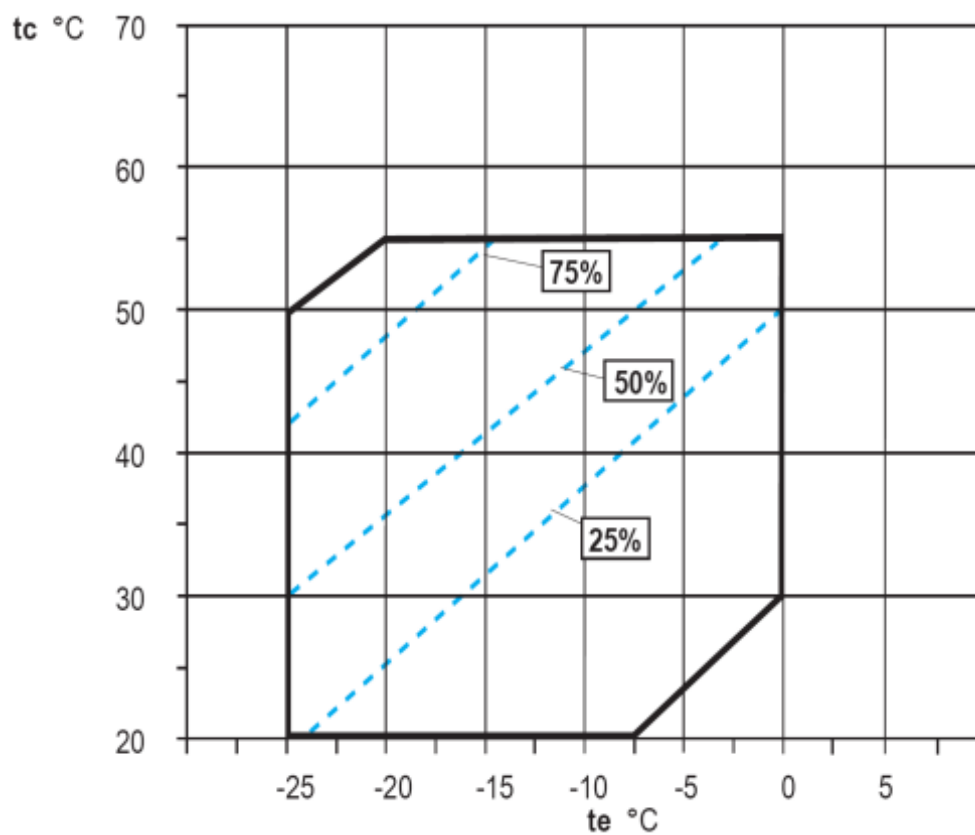
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	269 080	229 850	194 990	164 250	137 310	113 790
40	241 240	205 190	173 460	145 570	121 130	99 730
50	208 400	176 460	148 400	123 720	102 020	82 890
55	190 120	160 580	134 630	111 780	91 630	-

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	56.30	55.50	54.90	54.60	54.30	53.80
40	69.50	69.00	68.60	68.10	67.60	66.80
50	87.20	86.80	86.20	85.50	84.60	83.50
55	98.30	97.80	97.20	96.40	95.40	0.00

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

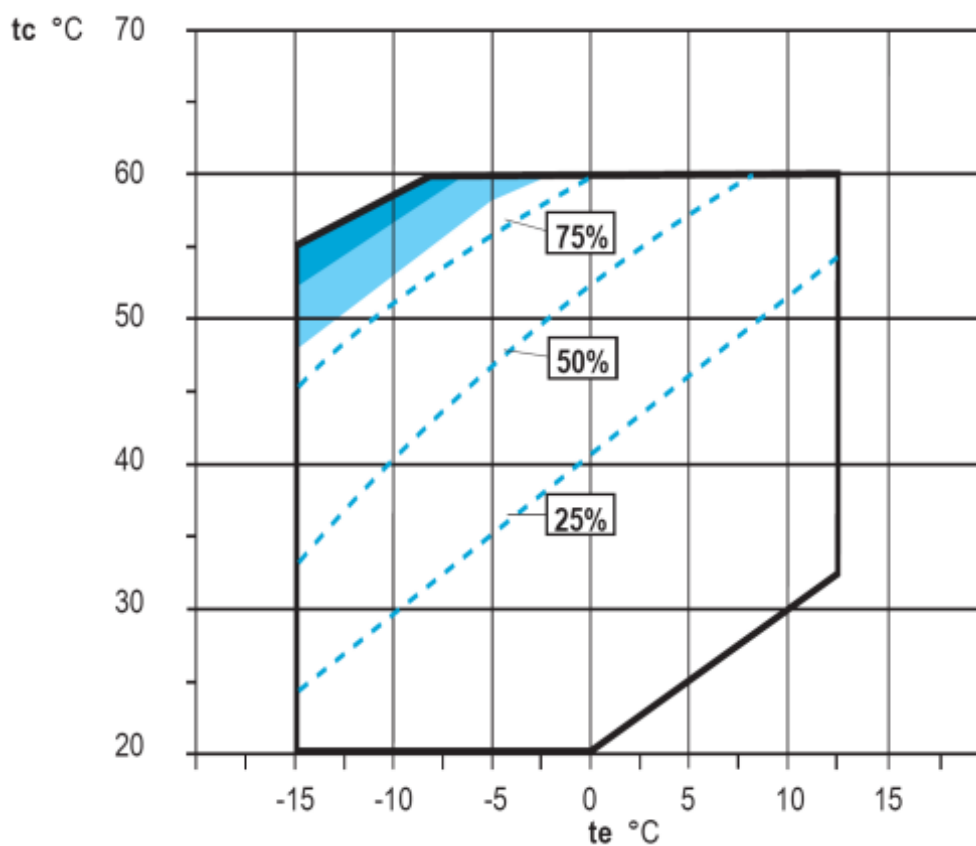
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	333 970	283 250	242 230	205 180	172 100	142 560
40	335 540	311 640	267 180	227 210	191 410	159 580	131 080
50	307 780	285 340	243 800	206 440	172 830	142 360	114 390
55	290 970	269 580	229 920	194 020	161 140	130 770	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	50.30	48.00	46.60	45.50	44.80	44.30
40	63.70	62.10	59.80	58.50	57.90	57.50	57.00
50	77.70	76.90	76.00	75.50	75.00	74.40	73.60
55	87.00	86.90	86.70	86.30	85.70	84.90	-

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