

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH92 180-545 Y ECO

Technical data

Nominal motor power [kW/HP]:	133,7 / 180
Displacement [m ³ /h]:	545
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	1475
Weight gross [kg]:	1549
Oil charge [dm ³]:	36

Electrical data

Power supply [V/~/Hz]:	380-420/3/50
Locked rotor current Y [A]:	465
Locked rotor current Δ [A]:	1442
Max. operating current [A]:	332
Max. power input [kW]:	205

Connections

	<u>millimeters</u>	<u>inches</u>
Suction line:	DN80	DN80
Discharge line:	104	4 1/8

R404A/R507

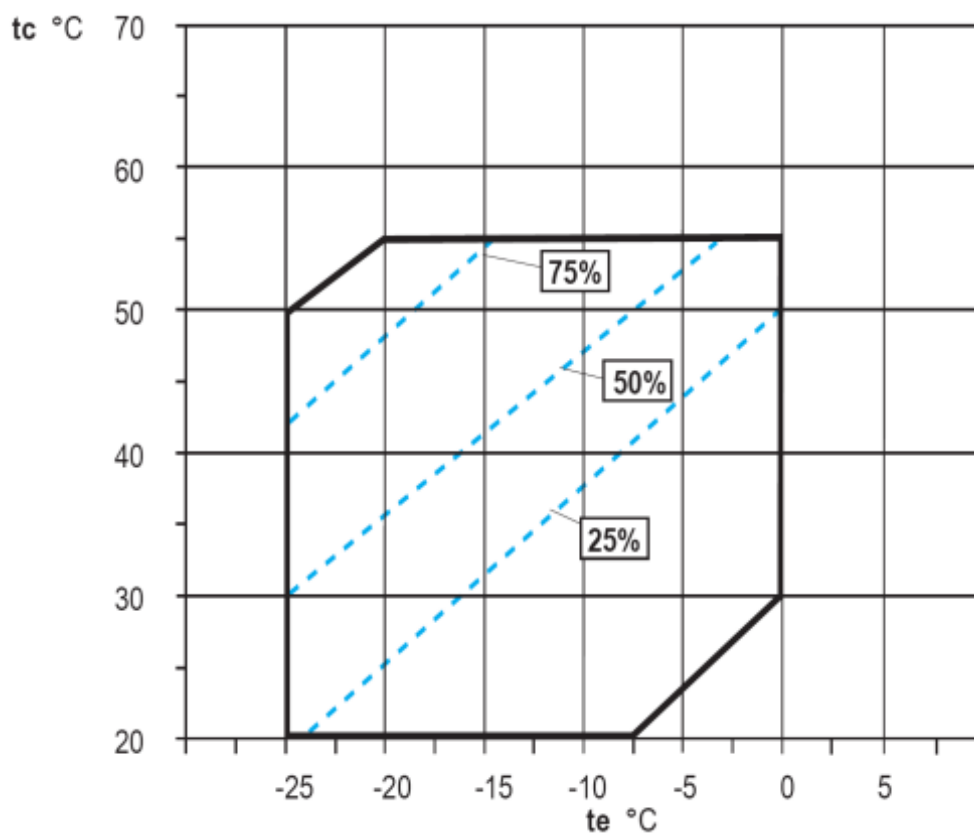
Cooling capacity [W]

t_c \ t_e	0	-5	-10	-15	-20	-25
30	606 430	516 440	436 810	366 430	304 400	249 820
40	545 520	462 590	389 170	324 180	266 780	216 130
50	478 450	402 800	335 650	276 050	223 270	176 560
55	-	-	-	249 200	198 920	-

Power input [W]

t_c \ t_e	0	-5	-10	-15	-20	-25
30	117.50	117.20	117.20	117.00	116.70	115.60
40	147.80	147.90	147.90	147.40	146.20	144.00
50	188.30	188.20	187.30	185.60	182.90	179.00
55	-	-	-	208.80	204.80	-

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

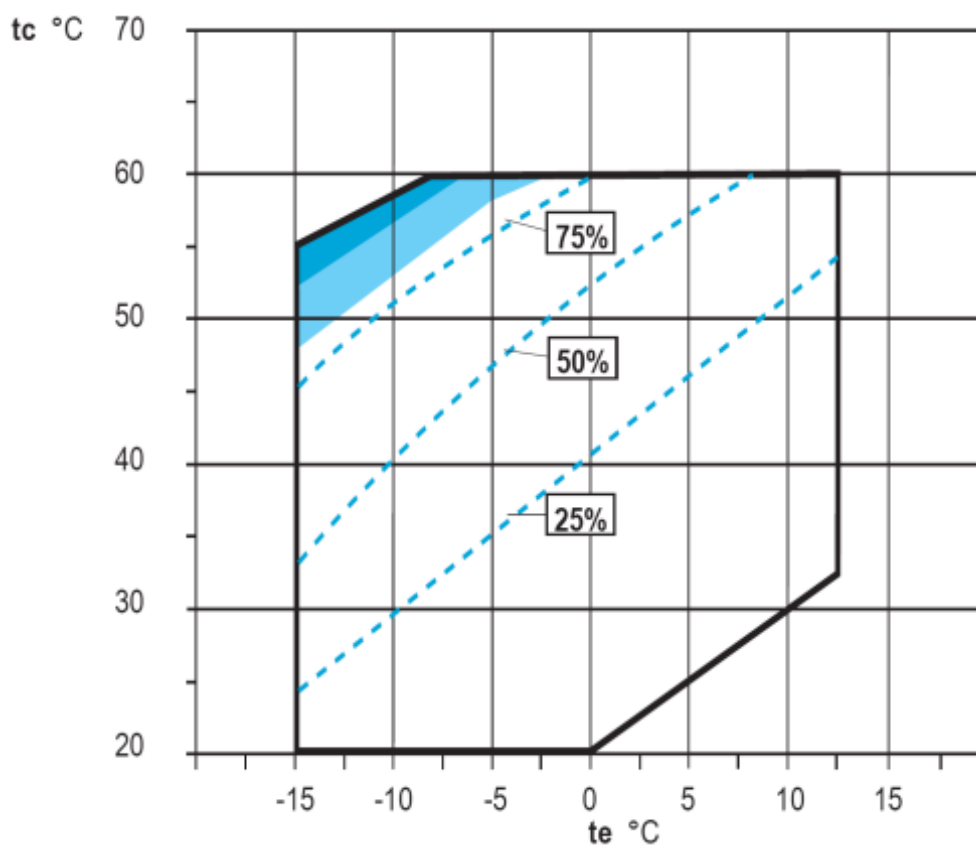
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	732 030	628 540	535 640	452 830	378 950	313 280
40	751 350	696 490	595 080	504 370	423 210	350 580	285 330
50	696 910	644 120	546 240	457 920	377 910	304 860	237 530
55	662 620	610 870	514 450	426 640	346 010	270 990	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	103.50	99.60	97.20	95.40	93.90	92.40
40	129.30	127.80	126.00	125.00	124.30	123.50	122.10
50	162.20	162.50	162.80	162.40	161.00	158.10	153.70
55	184.30	185.40	186.10	184.80	181.30	175.40	-

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