Type: Semi-hermetic twin screw compressors
Producer: Frascold
Series: CXH

Model: CXH92 180-545 Y

Technical data

Nominal motor power [kW/HP]:	133,7 / 180
Displacement [m³/h]:	545
Capacity control [%]:	25-50-75-100
RPM [min^{-1}]:	x
Weight net [kg]:	1475
Weight gross [kg]:	1549
Oil charge [dm³]:	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

	milimeters	inches
Suction line:	DN80	DN80
Discharge line:	104	4 1/8

R404A/R507

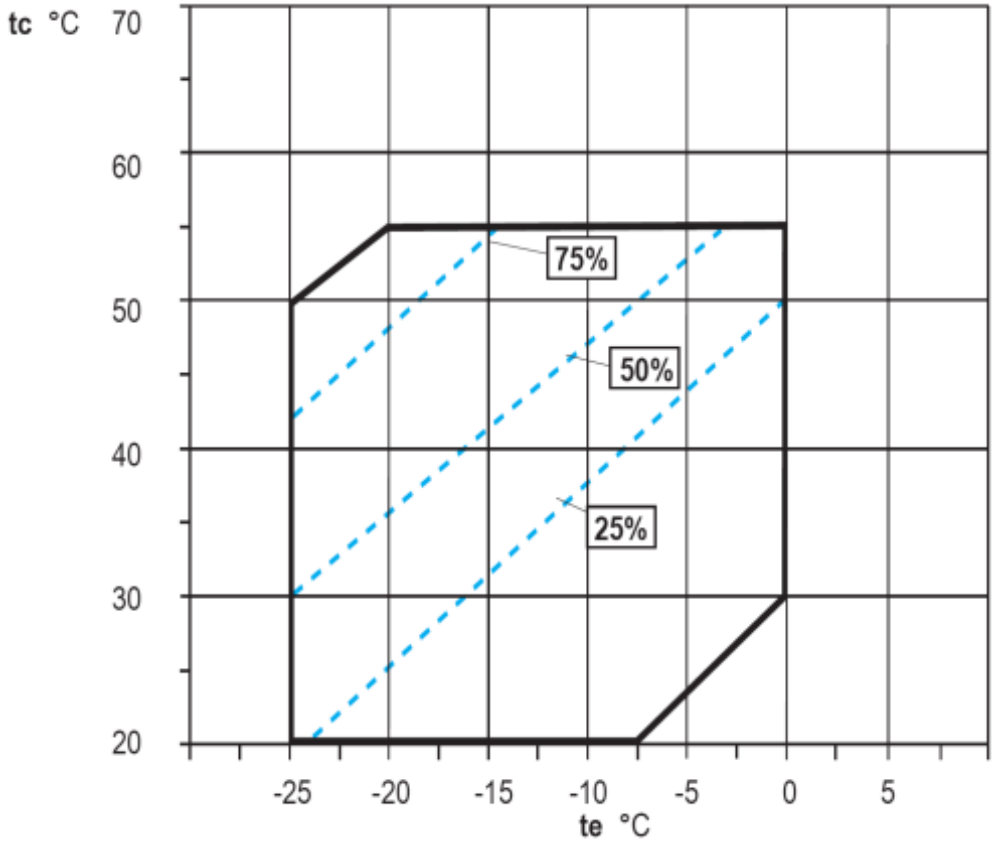
Cooling capacity [W]

t_c \ t_e	0	-5	-10	-15	-20	-25
30	557 250	460 500	377 200	305 730	244 740	193 000
40	470 780	385 380	312 120	249 540	196 420	151 610
50	381 510	307 640	244 680	191 300	146 370	108 860
55	334 860	267 210	209 820	161 430	120 970	-

Power input [W]

t_c \ t_e	0	-5	-10	-15	-20	-25
30	111.60	108.90	106.60	104.40	102.20	99.60
40	134.40	131.40	128.70	125.80	122.90	119.70
50	162.90	159.20	155.60	151.80	148.00	144.20
55	180.10	175.90	171.70	167.40	163.30	-

Application limits



With liquid injection or oil cooler

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

t_c - Condensing temperature [ºC]

t_e - Evaporating temperature [ºC]

R407C

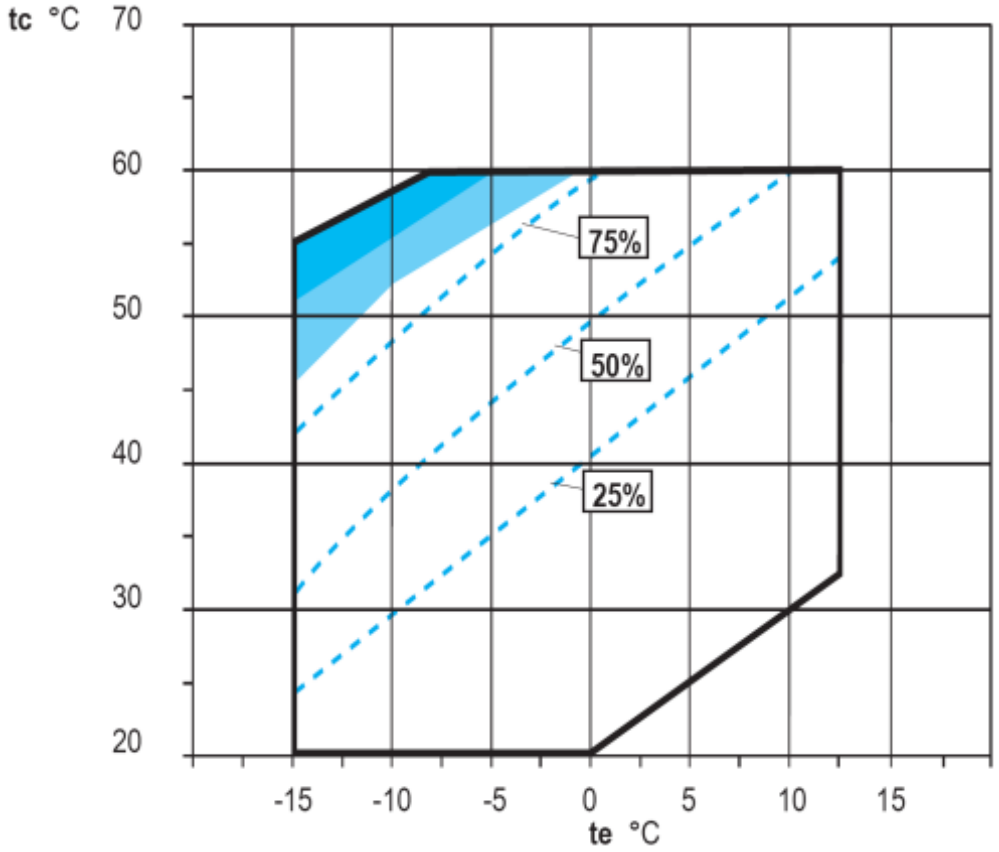
Cooling capacity [W]

t_c \ t_e	12.5	10	5	0	-5	-10	-15
30	-	711 560	595 080	493 870	406 280	330 530	265 280
40	700 860	642 980	532 730	438 700	357 230	286 580	225 480
50	612 950	558 090	458 860	372 300	296 550	230 360	171 970
55	563 700	511 330	416 460	333 230	259 870	194 930	-

Power input [W]

t_c \ t_e	12.5	10	5	0	-5	-10	-15
30	-	102.10	96.60	92.10	88.40	85.20	82.20
40	123.90	121.10	116.50	113.00	110.10	107.50	104.90
50	147.90	146.50	143.30	140.30	136.70	132.80	128.50
55	163.80	162.90	160.20	156.30	151.30	145.20	-

Application limits



With liquid injection or oil cooler

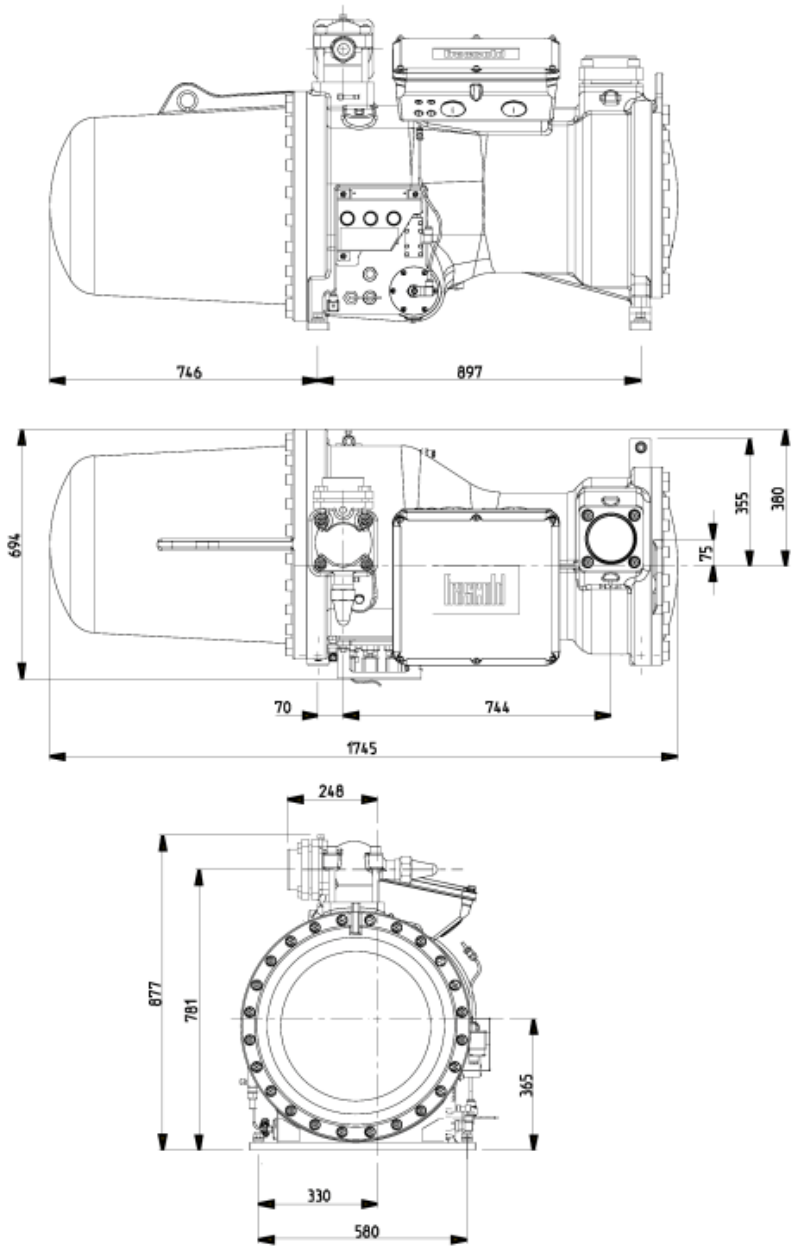
Operating conditions: suction gas temperature 10K, 0K subcooling

t_c - Condensing temperature [ºC]

t_e - Evaporating temperature [ºC]

Model: CXH92 180-545 Y

Dimensions



Model: CXH92 180-545 Y

Image