

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH91 160-620 Y

Technical data

Nominal motor power [kW/HP]:	118,8 / 160
Displacement [m ³ /h]:	620
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]:	436
Locked rotor current Δ [A]:	1364
Max. operating current [A]:	283
Max. power input [kW]:	156

Connections

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

R134a

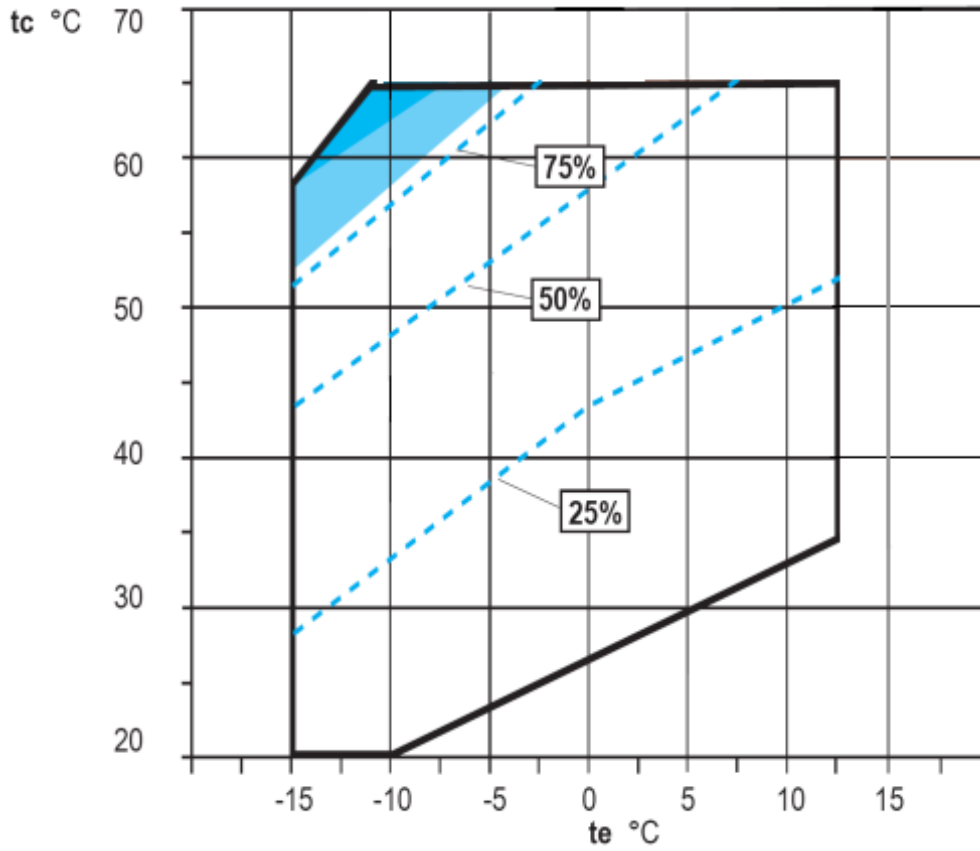
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	470 530	386 630	314 440	252 440	199 280
40	563 590	513 100	422 620	344 470	277 320	219 740	170 380
50	496 240	450 070	367 300	296 140	235 060	182 930	138 400
55	459 430	415 620	337 270	269 920	212 440	163 390	121 750

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	74.40	71.90	70.00	68.40	67.00
40	93.10	91.50	88.40	85.60	83.20	80.80	78.90
50	110.50	109.00	105.90	102.80	99.90	97.40	95.20
55	121.10	119.50	116.20	113.20	110.30	107.70	105.50

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]

