

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH91 160-620 Y ECO

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

R134a

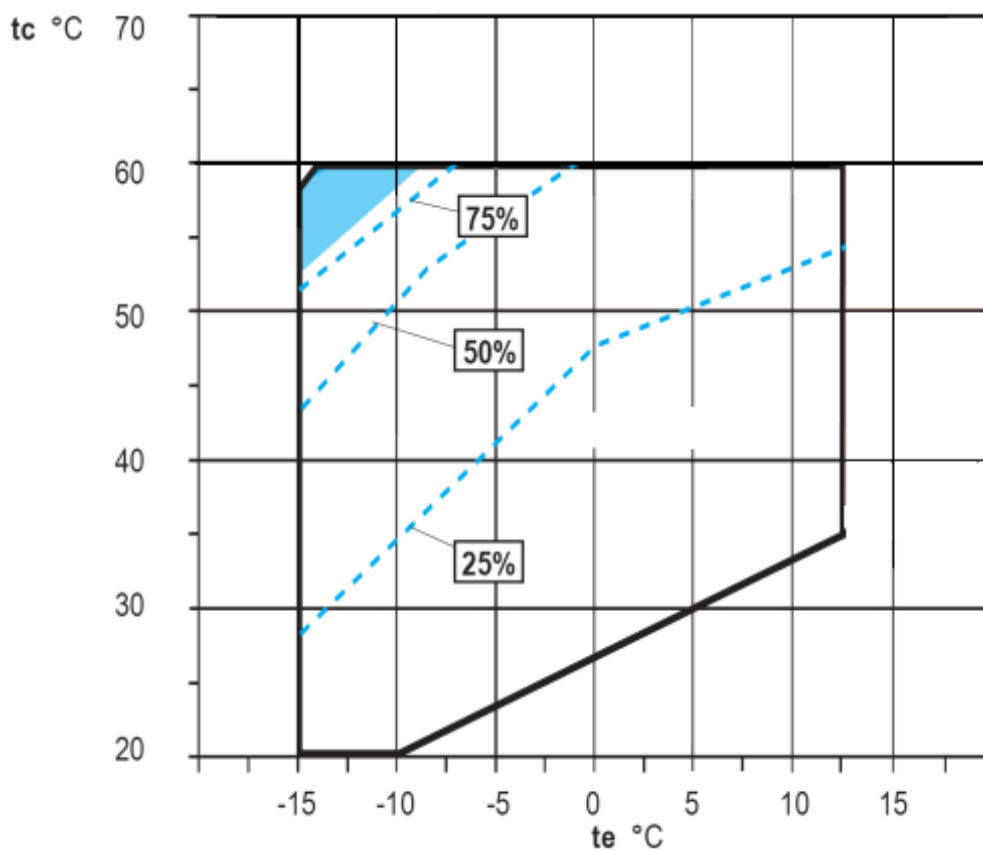
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	503 330	424 780	355 260	293 980	239 690
40	608 530	561 430	475 370	399 170	331 820	272 280	219 230
50	563 380	518 550	436 910	364 720	300 770	244 010	193 310
55	536 140	492 850	414 080	344 260	282 570	227 660	178 610

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	76.70	75.40	74.80	74.50	74.10
40	96.80	95.90	94.50	93.50	92.40	91.50	90.50
50	119.00	118.60	117.60	116.50	115.40	114.00	112.40
55	132.90	132.50	131.70	130.80	129.50	128.00	126.00

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]

