

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH51 125-468 Y ECO

Technical data

Nominal motor power [kW/HP]:	93,8 / 125
Displacement [m ³ /h]:	468
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	875
Weight gross [kg]:	935
Oil charge [dm ³]:	22

Electrical data

Power supply [V/~ /Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	198
Locked rotor current (D.O.L.) [A]:	890
Max. operating current [A]:	562
Max. power input [kW]:	121

Connections

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

R134a

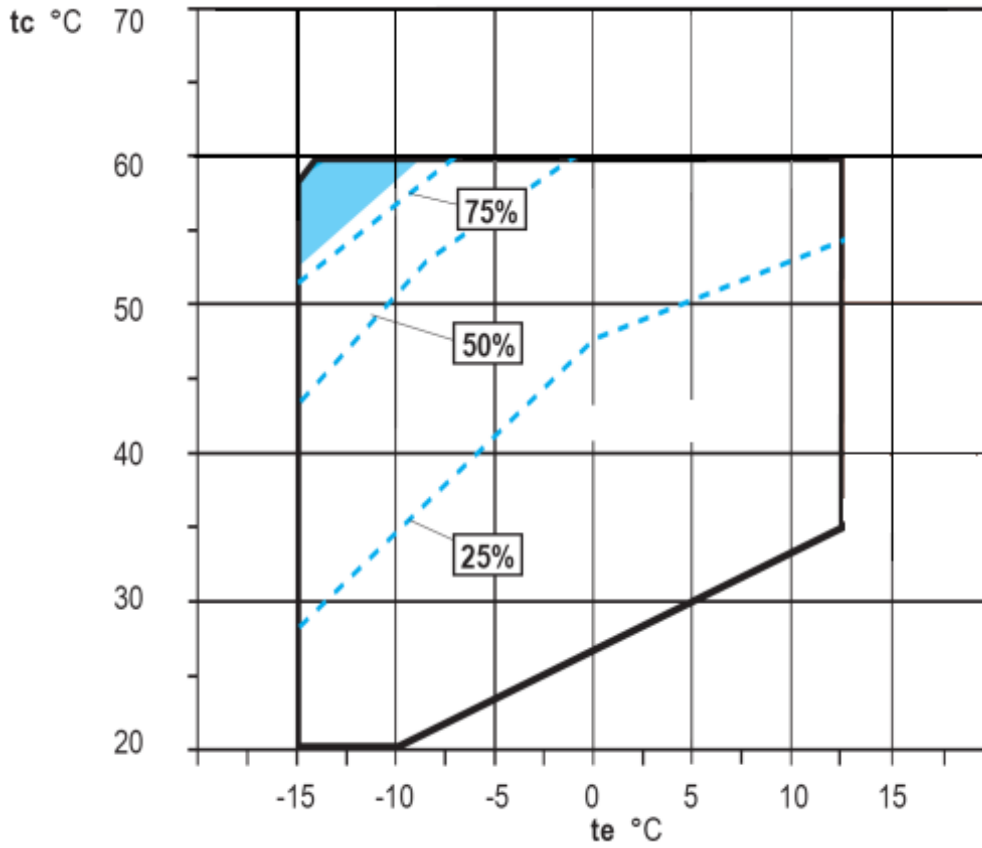
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	375 370	316 770	265 380	220 390	181 080
40	453 670	418 230	353 740	296 860	247 000	203 330	165 140
50	421 180	387 150	325 400	271 070	223 330	181 390	144 520
55	401 980	368 970	308 950	256 140	209 620	168 800	132 840

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	60.60	57.60	55.60	54.20	53.20
40	76.40	74.40	71.30	69.30	68.00	66.80	65.50
50	90.40	89.40	87.70	86.20	84.60	82.70	80.40
55	99.90	99.40	98.10	96.50	94.50	92.10	89.20

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]

