

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH01 80-298 Y ECO

Technical data

Nominal motor power [kW/HP]:	60 / 80
Displacement [m ³ /h]:	298
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	515
Weight gross [kg]:	571
Oil charge [dm ³]:	18

Electrical data

Power supply [V/~/Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	145
Locked rotor current (D.O.L.) [A]:	600
Max. operating current [A]:	373
Max. power input [kW]:	89

Connections

	<u>milimeters</u>	<u>inches</u>
Suction line:	54	2 1/8
Discharge line:	DN80	DN80

R134a

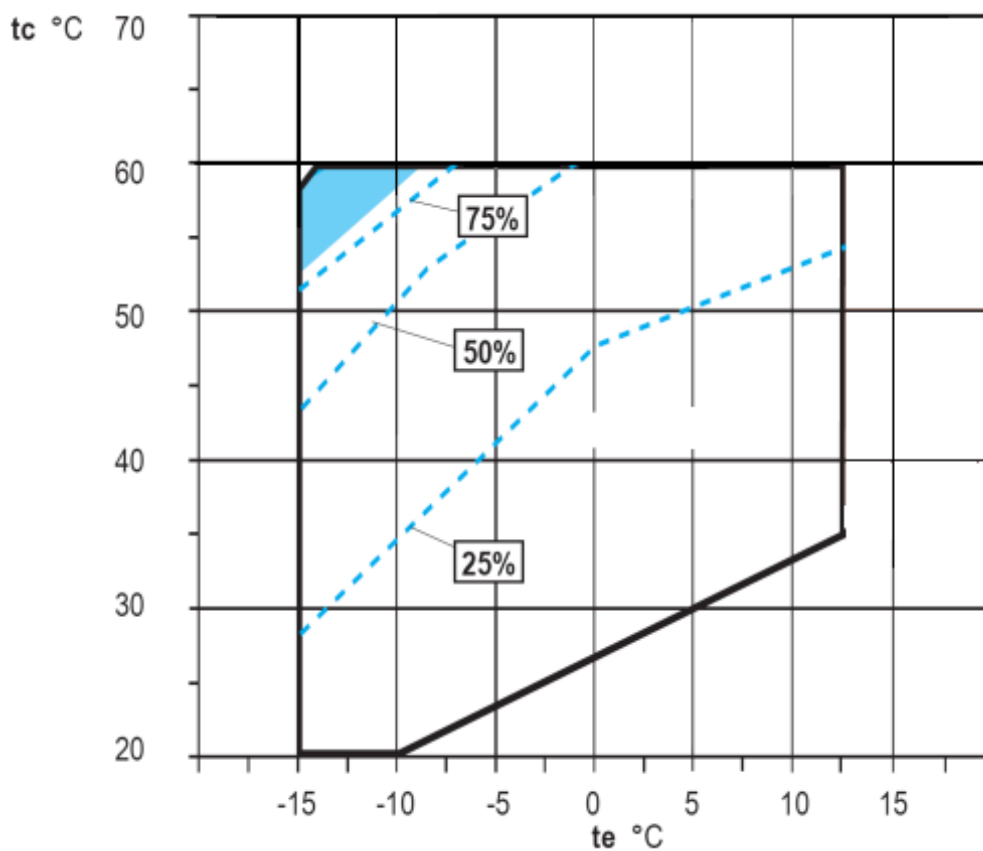
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	241 730	203 200	169 300	139 720	113 650
40	290 680	267 700	225 860	188 980	156 520	127 980	102 730
50	266 050	244 510	205 260	170 630	139 930	112 620	68 730
55	211 440	194 750	164 250	137 150	113 140	91 810	72 750

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	37.20	36.50	36.30	36.10	36.00
40	46.90	46.50	45.90	45.50	45.10	44.70	44.20
50	58.00	57.90	57.70	57.40	57.00	56.40	55.50
55	65.40	65.40	65.40	65.10	64.60	63.70	62.40

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]

