

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH01 80-298 Y

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

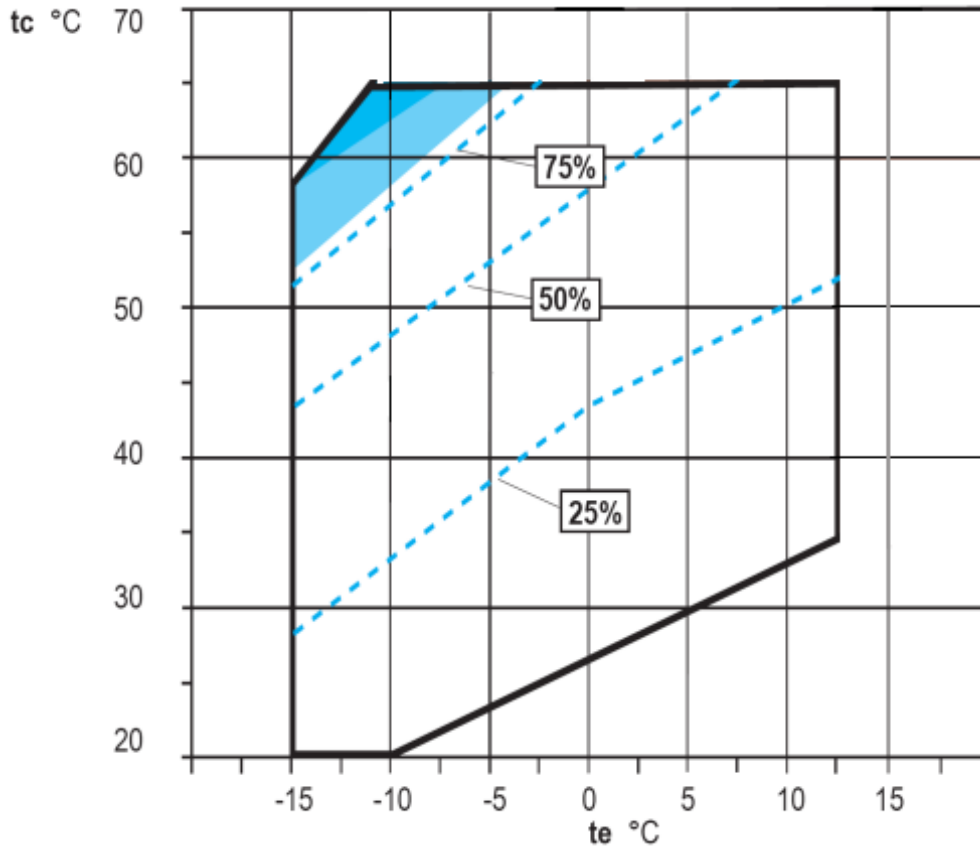
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	227 510	186 710	151 680	121 590	96 030
40	271 510	247 090	203 300	165 590	133 130	105 310	81 500
50	237 710	215 460	175 680	141 370	111 490	86 450	64 710
55	219 370	198 350	160 640	128 080	100 160	76 040	55 330

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	-	36.10	34.80	33.80	33.10	32.40
40	45.20	44.30	42.80	41.40	40.20	39.20	38.30
50	53.50	52.70	51.20	49.80	48.40	47.20	46.20
55	58.60	57.80	56.30	54.90	53.40	52.20	51.30

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]

