

Type: Semi-hermetic twin screw compressors

Producer: Frascold

Series: CXH

Model: CXH02 70-199 Y

Technical data

Nominal motor power [kW/HP]:	52 / 70
Displacement [m ³ /h]:	199
Capacity control [%]:	25-50-75-100
RPM [min ⁻¹]:	x
Weight net [kg]:	510
Weight gross [kg]:	566
Oil charge [dm ³]:	18

Electrical data

Power supply [V/~/Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	128
Locked rotor current (D.O.L.) [A]:	518
Max. operating current [A]:	298
Max. power input [kW]:	78

Connections

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

R404A/R507

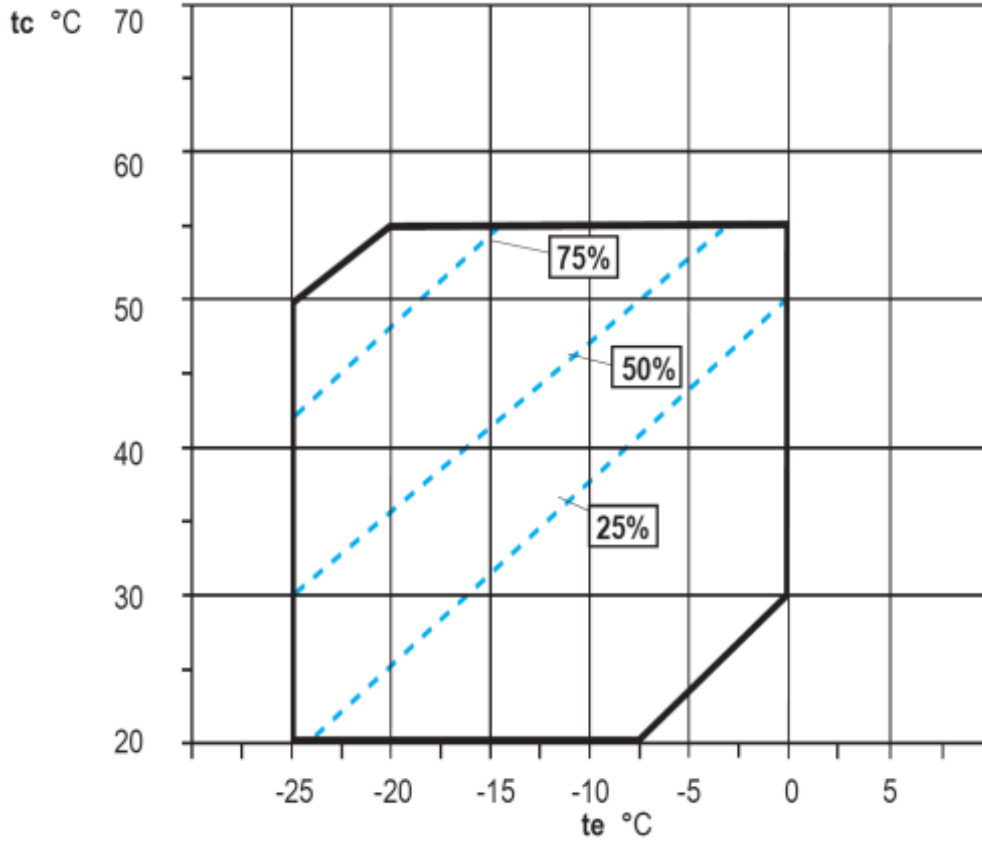
Cooling capacity [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	195 480	161 530	132 320	107 290	85 970	67 920
40	165 170	135 240	109 570	87 650	69 040	53 350
50	133 490	107 640	85 590	66 880	51 110	37 940
55	116 990	93 350	73 270	56 330	42 140	-

Power input [W]

$t_c \setminus t_e$	0	-5	-10	-15	-20	-25
30	41.80	40.70	39.90	39.10	38.30	37.40
40	50.30	49.20	48.20	47.20	46.10	44.90
50	61.00	59.70	58.30	57.00	55.80	54.40
55	67.50	66.00	64.40	63.00	61.60	-

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]

R407C

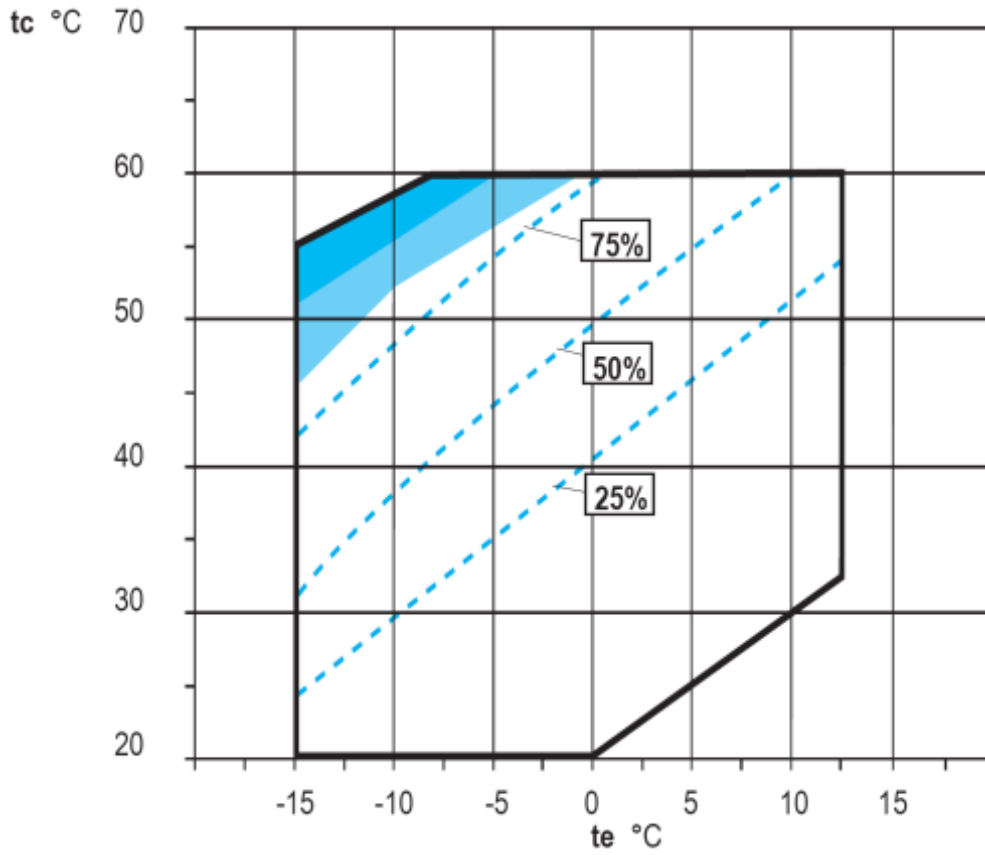
Cooling capacity [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	248 510	207 710	172 270	141 670	115 190	101 690
40	242 740	221 720	184 220	151 560	123 330	98 810	77 680
50	210 490	191 640	157 530	127 650	101 590	78 820	58 620
55	192 980	175 150	142 590	114 050	88 810	66 450	-

Power input [W]

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	38.40	35.40	34.40	33.00	31.80	30.70
40	46.40	45.40	43.60	42.20	41.10	40.20	39.30
50	55.30	54.70	53.70	52.50	51.20	49.90	48.40
55	61.20	61.00	60.00	58.60	56.90	54.70	-

Application limits



With liquid injection or oil cooler

Operating conditions: suction gas temperature 10K, 0K subcooling

t_c - Condensing temperature [°C]

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