

**Type: Semi-hermetic twin screw compressors**

**Producer: Frascold**

**Series: CXH**

## **Model: CXH52 125-372 Y**

### **Technical data**

Nominal motor power [kW/HP]:	93,8 / 125
Displacement [m <sup>3</sup> /h]:	372
Capacity control [%]:	25-50-75-100
RPM [min <sup>-1</sup> ]:	x
Weight net [kg]:	865
Weight gross [kg]:	925
Oil charge [dm <sup>3</sup> ]:	22

### **Electrical data**

Power supply [V/~/Hz]:	380-420/3/50
Locked rotor current (P.W.S.) [A]:	218
Locked rotor current (D.O.L.) [A]:	890
Max. operating current [A]:	562
Max. power input [kW]:	133

### **Connections**

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

R404A/R507

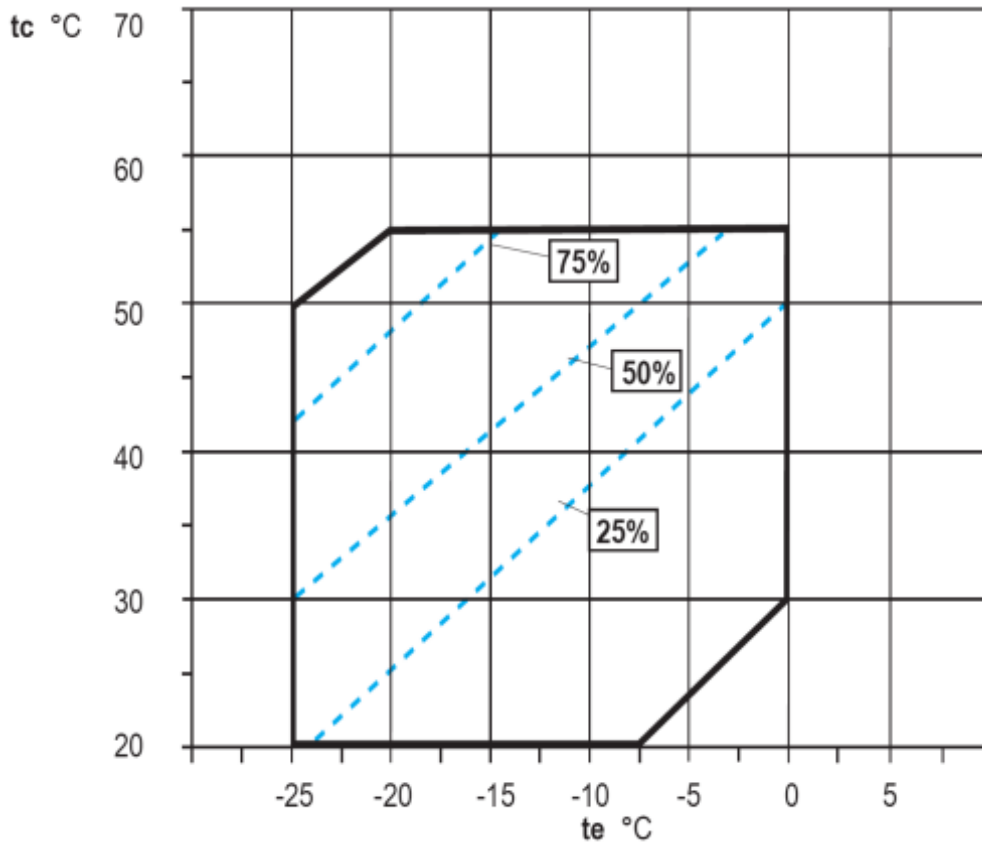
**Cooling capacity [W]**

<b>t<sub>c</sub> \ t<sub>e</sub></b>	<b>0</b>	<b>-5</b>	<b>-10</b>	<b>-15</b>	<b>-20</b>	<b>-25</b>
<b>30</b>	374 680	310 230	254 700	207 020	166 310	131 710
<b>40</b>	317 350	260 260	211 290	169 450	133 930	103 960
<b>50</b>	256 780	207 720	165 950	130 560	100 820	76 020
<b>55</b>	225 050	180 410	142 590	110 740	84 160	-

**Power input [W]**

<b>t<sub>c</sub> \ t<sub>e</sub></b>	<b>0</b>	<b>-5</b>	<b>-10</b>	<b>-15</b>	<b>-20</b>	<b>-25</b>
<b>30</b>	77.60	75.40	73.70	71.90	70.30	68.50
<b>40</b>	93.20	90.90	88.70	86.60	84.50	82.30
<b>50</b>	112.70	109.90	107.10	104.40	101.90	99.50
<b>55</b>	124.70	121.40	118.30	115.30	112.60	-

**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

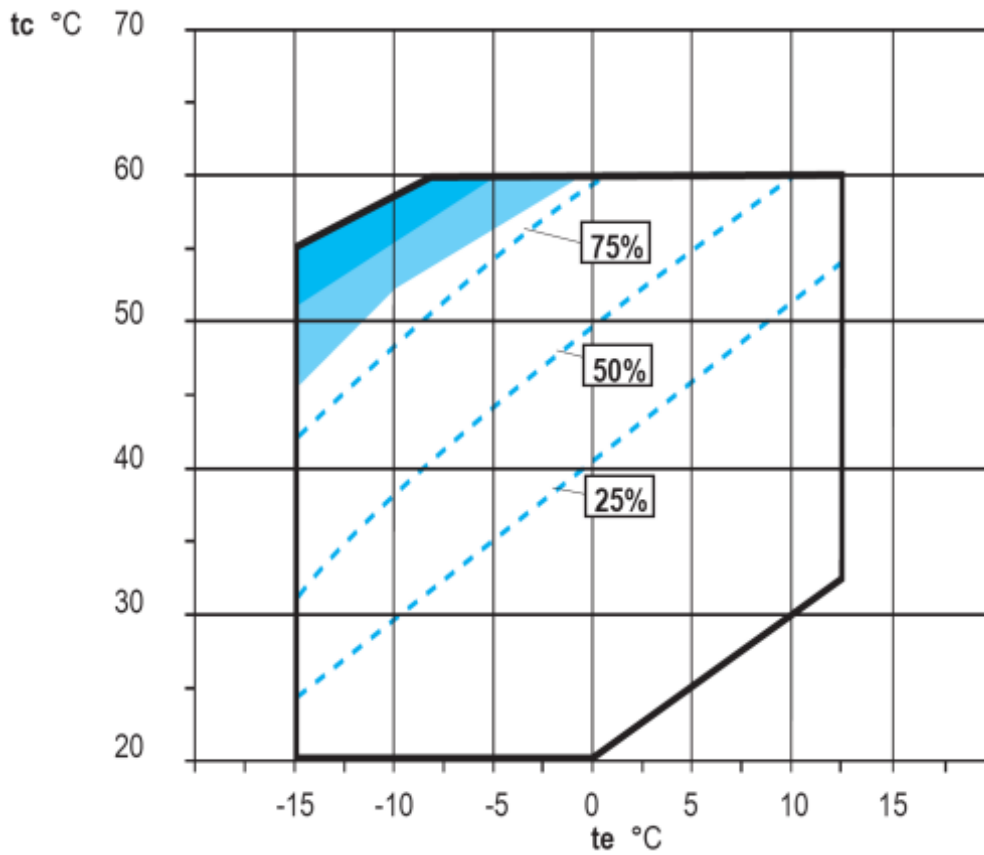
**Cooling capacity [W]**

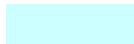
$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	486 920	407 340	338 220	278 290	226 600	182 000
40	477 410	436 510	362 840	298 790	243 300	195 430	153 990
50	412 200	375 630	309 470	251 760	201 450	157 380	118 590
55	376 580	342 340	280 080	225 440	177 250	134 440	-

**Power input [W]**

$t_c \setminus t_e$	12.5	10	5	0	-5	-10	-15
30	-	71.50	67.40	64.00	61.40	59.40	57.60
40	88.40	85.60	81.00	77.60	75.00	72.60	70.20
50	103.80	102.10	98.70	95.30	92.00	88.80	85.50
55	113.40	112.10	109.00	105.20	101.30	97.70	-

**Application limits**



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

$t_c$  - Condensing temperature [°C]

$t_e$  - Evaporating temperature [°C]

