

# Model: MTZ 72 HN

## Data

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**Type:** Hermetic piston compressors

**Producer:** Maneurop

**Series:** MTZ

## Model: MTZ 72 HN

### Technical data

Nominal motor power [kW]:	8,15
Cylinder count:	2
Displacement [m <sup>3</sup> /h]:	21,04
Cylinder capacity [cm <sup>3</sup> ]:	120,94
RPM [min <sup>-1</sup> ]:	2900
Weight [kg]:	40
Oil charge [dm <sup>3</sup> ]:	1,8

### Connections

	<u>milimeters</u>	<u>inches</u>
Króciec ssawny:	22	7/8"
Discharge line:	19	3/4"

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## Capacity

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R404A/R507

### Cooling capacity [W]

<b>t<sub>c</sub> \ t<sub>e</sub></b>	<b>10</b>	<b>5</b>	<b>0</b>	<b>-5</b>	<b>-10</b>	<b>-15</b>	<b>-20</b>	<b>-25</b>	<b>-30</b>
<b>30</b>	28 890	23 970	19 690	15 980	12 810	10 130	7 900	6 060	4 580
<b>40</b>	24 400	20 100	16 350	13 120	10 360	8 020	6 050	4 430	3 090
<b>50</b>	19 620	16 010	12 900	10 230	7 960	6 040	4 440	3 110	2 000
<b>60</b>	14 470	11 680	9 290	7 280	5 600	4 200	3 040	2 090	-

### Power input [kW]

<b>t<sub>c</sub> \ t<sub>e</sub></b>	<b>10</b>	<b>5</b>	<b>0</b>	<b>-5</b>	<b>-10</b>	<b>-15</b>	<b>-20</b>	<b>-25</b>	<b>-30</b>
<b>30</b>	5.41	5.29	5.09	4.82	4.49	4.13	3.73	3.31	2.89
<b>40</b>	6.17	5.92	5.60	5.23	4.82	4.38	3.92	3.46	3.01
<b>50</b>	7.03	6.62	6.17	5.67	5.15	4.62	4.08	3.56	3.06
<b>60</b>	7.95	7.37	6.76	6.12	5.47	4.82	4.19	3.58	-

Operating conditions: 11.1K suction superheat, 8.3K subcooling

t<sub>c</sub> - Condensing temperature [°C]

t<sub>e</sub> - Evaporating temperature [°C]