

# Model: MTZ 80 HP

## Data

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**Type:** Hermetic piston compressors

**Producer:** Maneurop

**Series:** MTZ

## Model: MTZ 80 HP

### Technical data

Nominal motor power [kW]:	9,06
Cylinder count:	2
Displacement [m <sup>3</sup> /h]:	23,63
Cylinder capacity [cm <sup>3</sup> ]:	135,78
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:	28	1 1/8"
Discharge line:	19	3/4"

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## Capacity

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R404A/R507

### Cooling capacity [W]

$t_c \setminus t_e$	10	5	0	-5	-10	-15	-20	-25	-30
30	32 210	26 900	22 230	18 140	14 610	11 590	9 030	6 900	5 140
40	27 300	22 640	18 550	14 980	11 890	9 230	6 970	5 060	3 470
50	21 990	18 090	14 680	11 720	9 160	6 970	5 100	3 520	2 180
60	16 260	13 240	10 620	8 370	6 450	4 820	3 440	2 280	-

### Power input [kW]

$t_c \setminus t_e$	10	5	0	-5	-10	-15	-20	-25	-30
30	6.37	6.19	5.93	5.60	5.21	4.78	4.32	3.84	3.36
40	7.27	6.95	6.56	6.12	5.64	5.14	4.61	4.09	3.57
50	8.21	7.73	7.20	6.63	6.03	5.42	4.82	4.22	3.66
60	9.20	8.54	7.84	7.11	6.38	5.65	4.94	4.26	-

Operating conditions: 11.1K suction superheat, 8.3K subcooling

$t_c$  - Condensing temperature [°C]

$t_e$  - Evaporating temperature [°C]