

Model: MTZ 100 HS

Data

Type: Hermetic piston compressors

Producer: Maneurop

Series: MTZ

Model: MTZ 100 HS

Technical data

Nominal motor power [kW]:	11,33
Cylinder count:	4
Displacement [m ³ /h]:	29,8
Cylinder capacity [cm ³]:	171,26
RPM [min ⁻¹]:	2900
Weight [kg]:	60
Oil charge [dm ³]:	3,9

Connections

	<u>milimeters</u>	<u>inches</u>
Króciec ssawny:	28	1 1/8"
Discharge line:	19	3/4"

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Capacity

R404A/R507

Cooling capacity [W]

$t_c \setminus t_e$	10	5	0	-5	-10	-15	-20	-25	-30
30	39 560	32 490	26 380	21 150	16 730	13 050	10 020	7 590	5 660
40	33 490	27 310	21 990	17 450	13 620	10 430	7 800	5 660	3 940
50	26 770	21 620	17 220	13 500	10 390	7 810	5 710	3 990	2 600
60	19 390	15 420	12 080	9 330	7 070	5 240	3 770	2 600	0

Power input [kW]

$t_c \setminus t_e$	10	5	0	-5	-10	-15	-20	-25	-30
30	6.30	6.41	6.35	6.16	5.85	5.45	4.97	4.44	3.88
40	7.70	7.59	7.35	6.99	6.55	6.03	5.46	4.86	4.26
50	9.05	8.70	8.23	7.68	7.06	6.39	5.70	5.00	4.32
60	10.27	9.64	8.92	8.14	7.31	6.47	5.61	4.78	0.00

Operating conditions: 11.1K suction superheat, 8.3K subcooling

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]