

Diaphragm pump ME 4 NT

Order no.: 20731000

Diaphragm pumps are an excellent solution for continuous, oil-free evacuation and pumping of gases. All parts in contact with pumped media are made of aluminum and selected plastics, allowing a wide range of applications for non-corrosive gases. The one-stage construction provides the advantageous combination of high pumping speed and an ultimate vacuum down to 70 mbar. The highly flexible fabric-reinforced double diaphragm made of FKM is ideal for extended operating life. The NT-series features further improved performance data.



Performance features

- contamination-free pumping and evacuation
- high flow rate even near ultimate vacuum
- whisper quiet
- ME 4 NT with low vibration and higher pumping speed
- exceptionally long diaphragm life and maintenance-free drive system for low lifetime costs

Technical data

Number of heads / stages		2 / 1
Max. pumping speed at 50/60 Hz	m ³ /h	4.0 / 4.4
Max. pumping speed at 50/60 Hz	cfm	2.4 / 2.6
Ultimate vacuum (abs.)	mbar/torr	70 / 52
Ambient temperature range (operation)	°C	10 - 40
Ambient temperature range (storage)	°C	-10 - 60
Max. back pressure (abs.)	bar	2
Inlet connection		Hose nozzle DN 8-10 mm
Outlet connection		2 x silencer / G1/4"
Rated motor power	kW	0.18
Rated motor speed at 50/60 Hz	min ⁻¹	1500/1800
Protection class		IP 40
Dimensions (L x W x H), approx.	mm	243 x 239 x 198
Weight, approx.	kg	11.0
Noise level at 50 Hz, typ.	dBA	45
CE mark		Yes

NRTL certification

Canada and the USA

ATEX conformity

II 3/- G IIC T3 X Internal Atm. only

Items supplied

Pump completely mounted, ready for use, with manual.

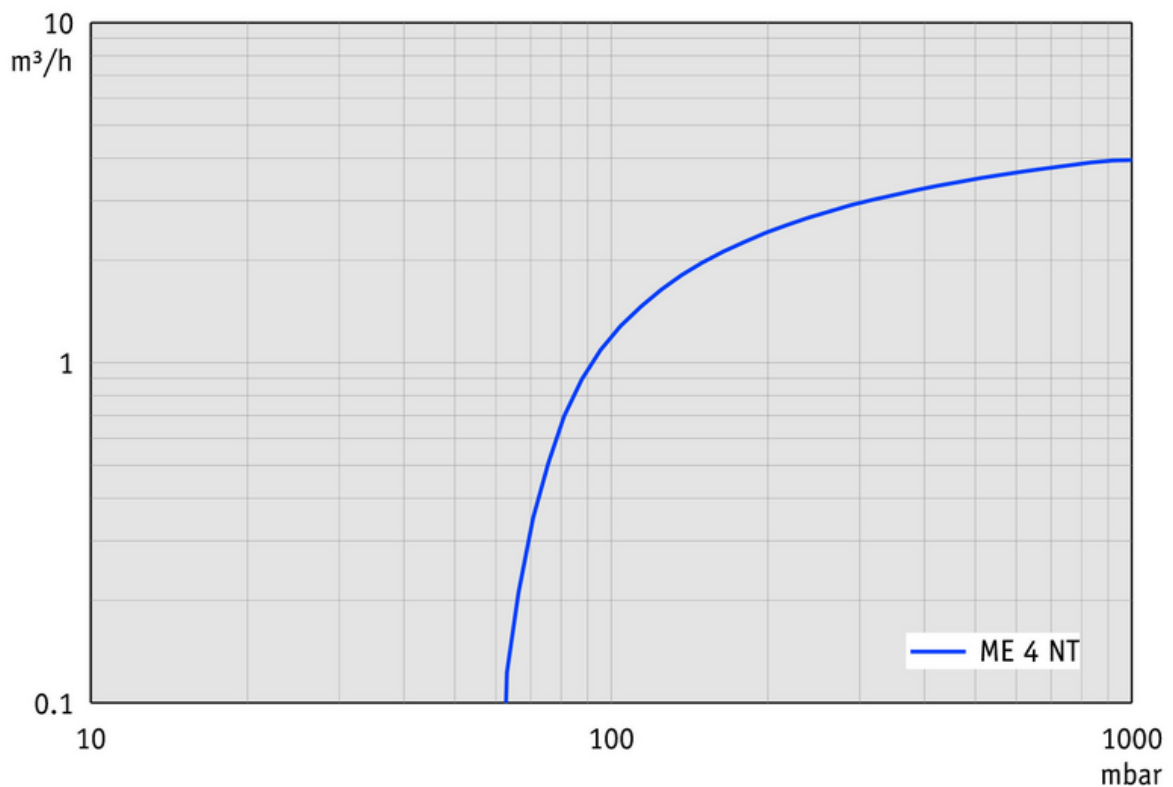
Accessories

Vacuum regulator valve with manometer (20696840)

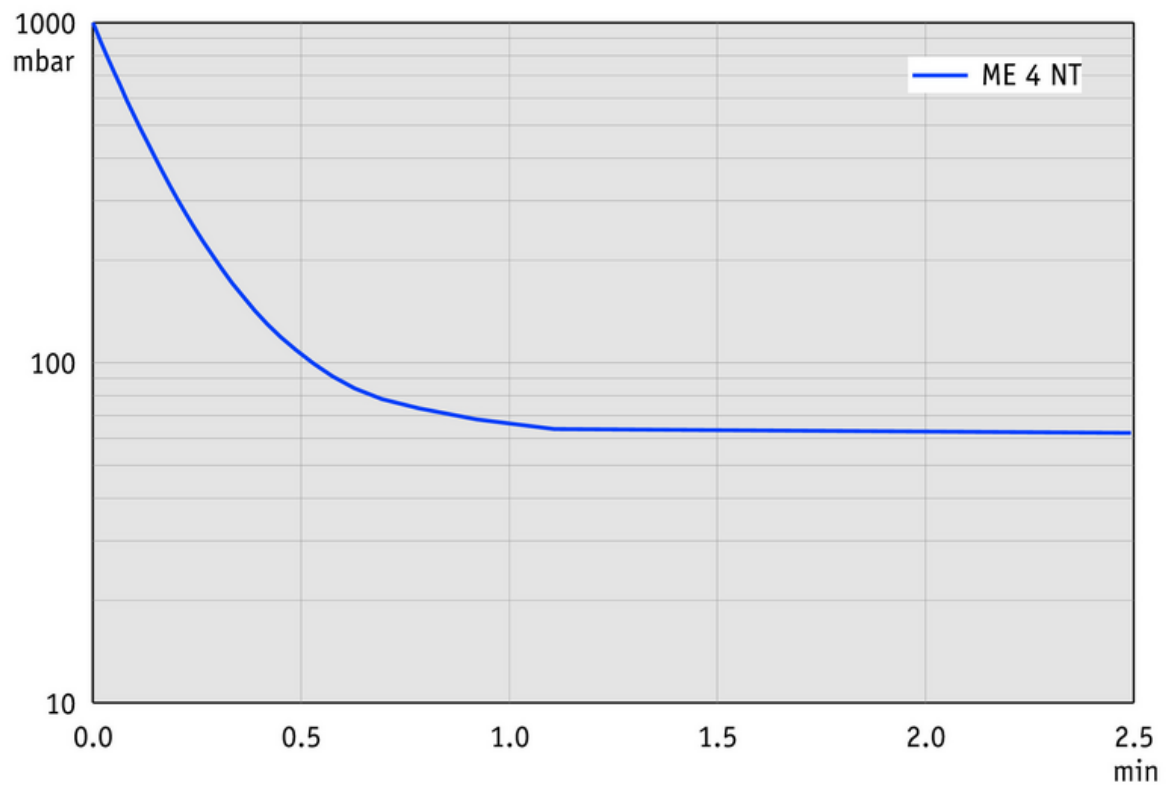
VACUU-LAN® Mini-Network (22614455)

Rubber vacuum tubing DN 8 mm (20686001)

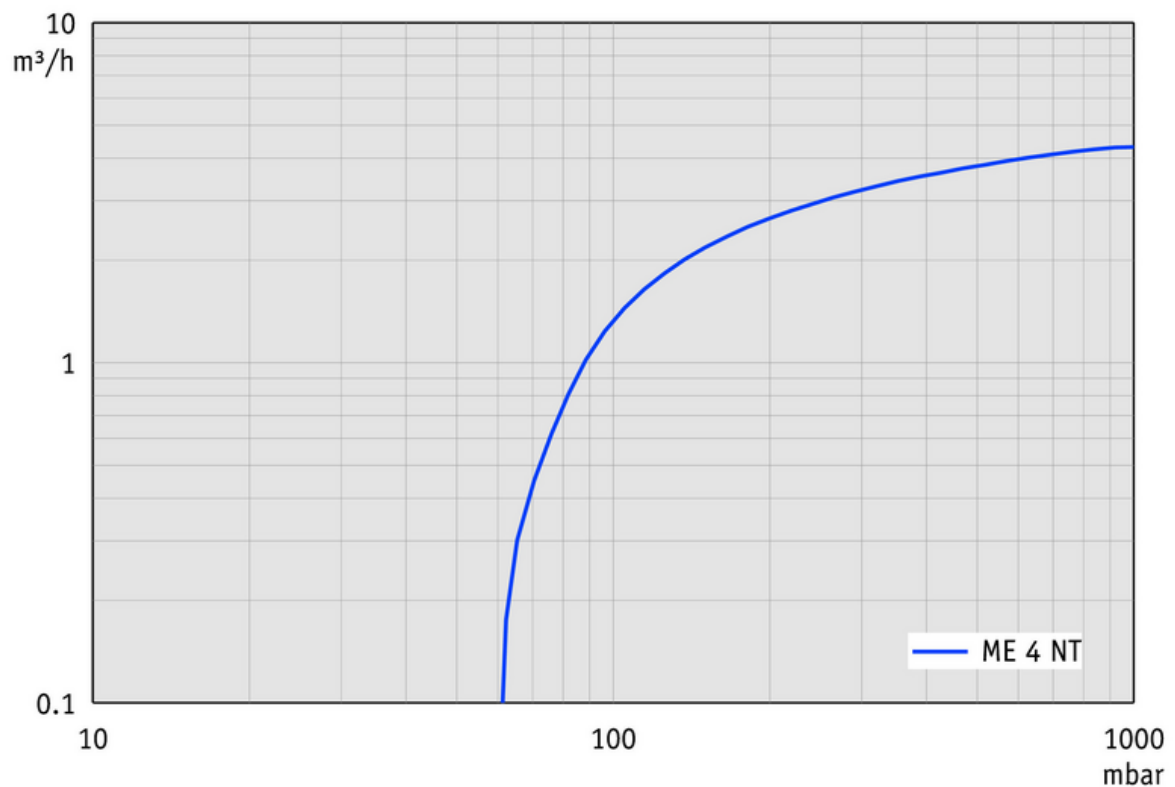
Pumping speed graph at 50 Hz



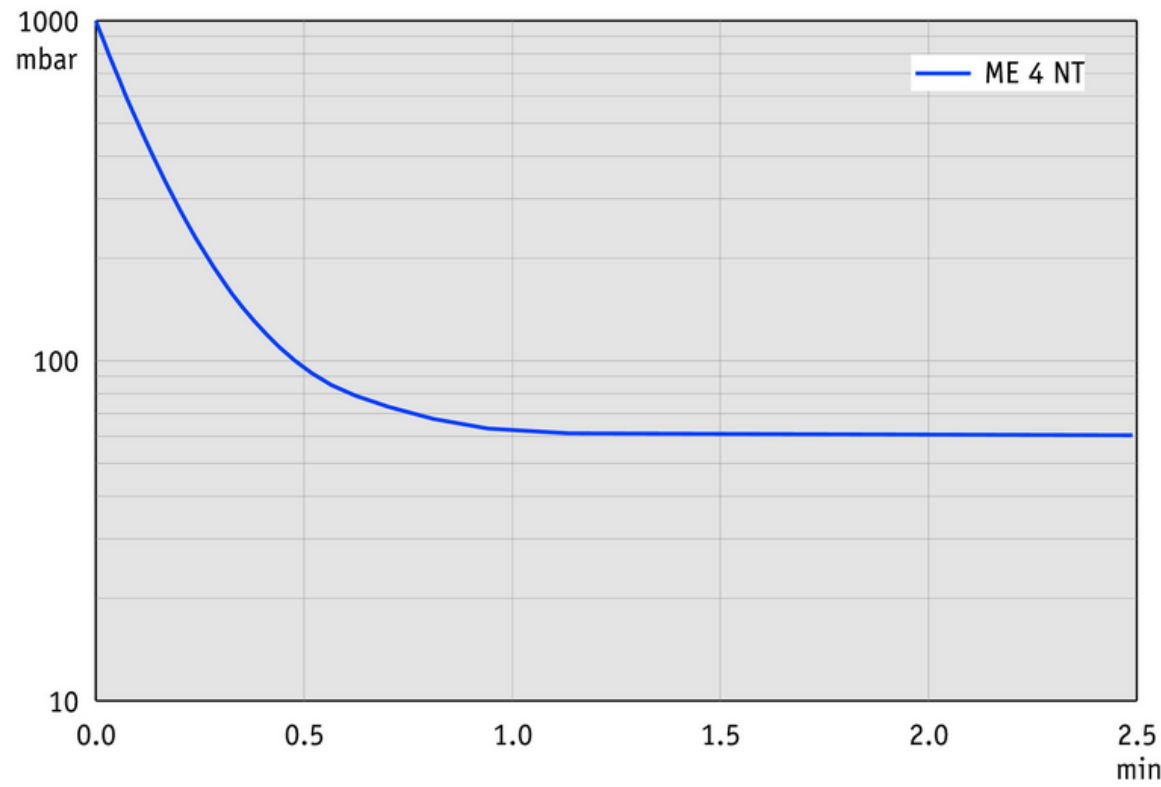
Pump down graph at 50 Hz
(10 l volume)



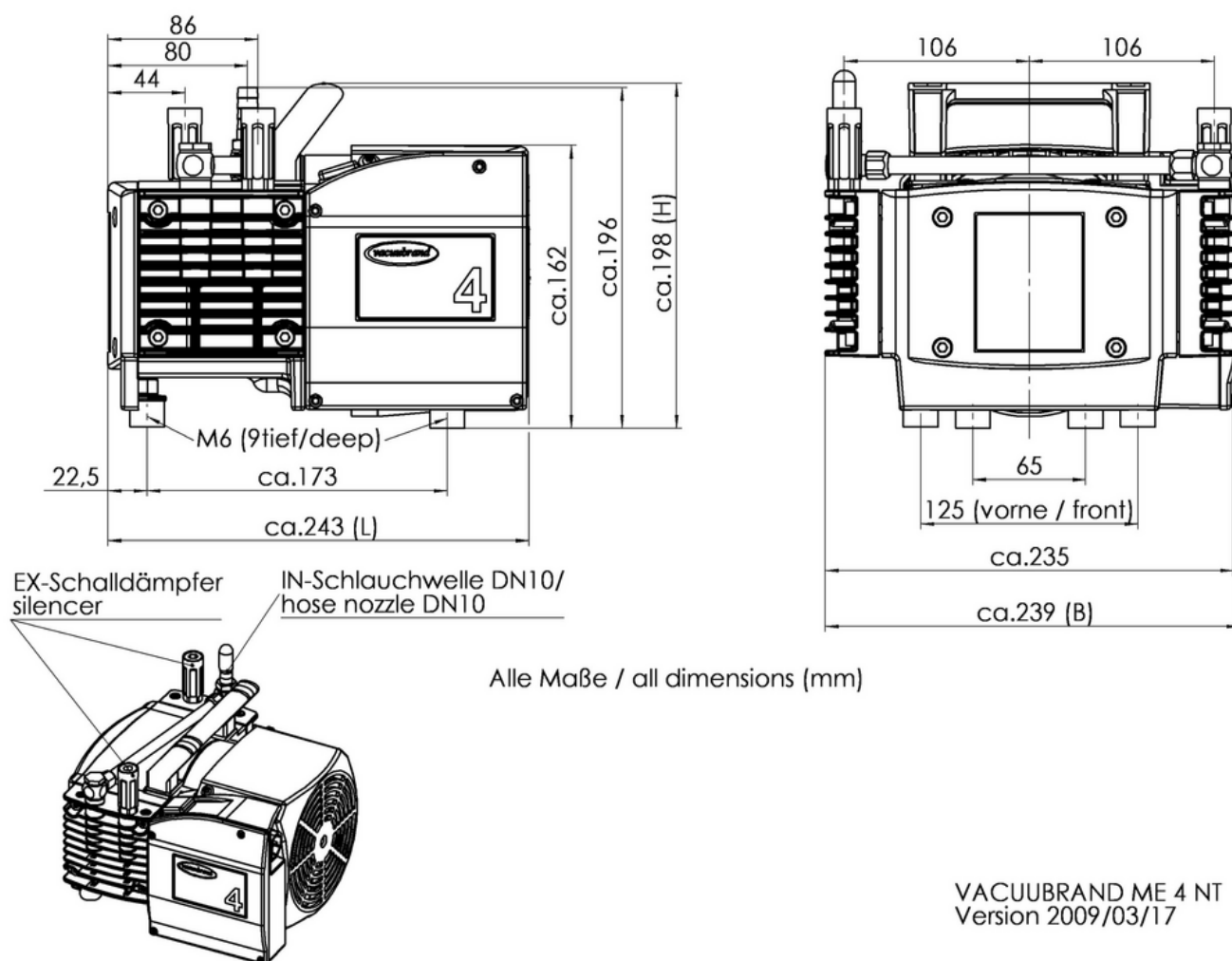
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz
(10 l volume)



Dimension sheet



Ordering data

Product name	Mains voltage and frequency	Plug	Order no.
ME 4 NT	230 V~ 50-60 Hz	CEE	20731000