

# Diaphragm pump ME 8 NT

[Link to the website](#)

## Product description

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, and allow a wide range of applications for non-corrosive gases. The highly flexible, fabric-reinforced double diaphragm made of FKM is ideal for extended operating life. These pumps with four heads provide very high pumping speed. The new NT-series features improved performance data.

## Performance features

- contamination-free pumping and evacuation
- very high flow rate even near ultimate vacuum
- quiet operation
- very low vibration
- exceptionally long diaphragm life and maintenance-free drive system for low lifetime costs

## Ordering data

| Product name | Nominal mains voltage   mains frequency | Plug type | Articleno. |
|--------------|-----------------------------------------|-----------|------------|
| ME 8 NT      | 230 V   50-60 Hz                        | CEE       | 20734000   |

## Items supplied

Pump completely mounted, ready for use, silencer, hose nozzle, with manual.

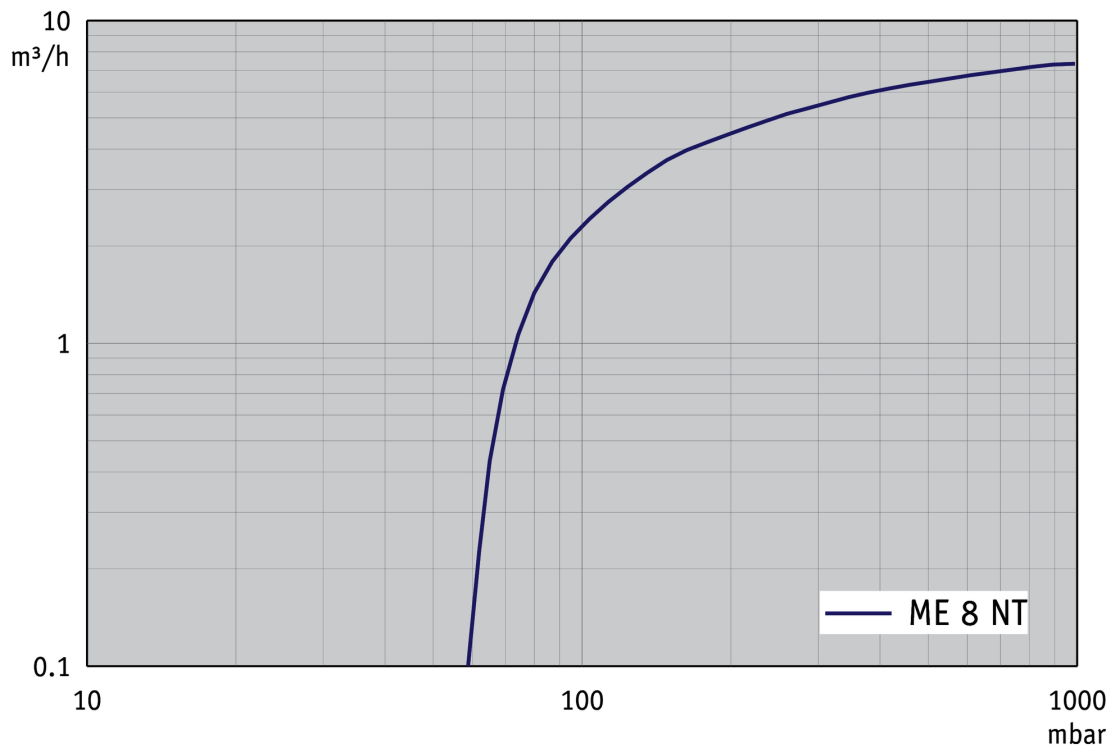
## Accessories

- Vacuum tubing transparent DN 8 mm (20686061)
- Regulator valve for vacuum ME / MZ / MD 4 / NT (20696840)
- Set of diaphragms and valves ME 8 NT (20696862)

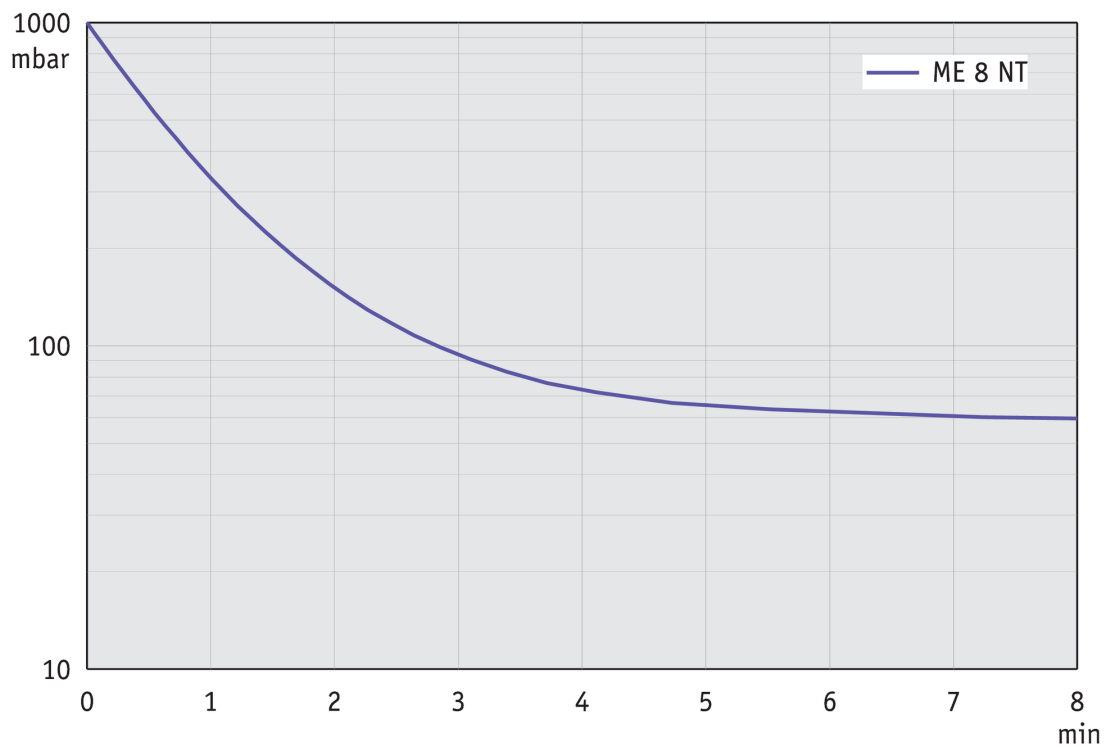
## Technical data

| Max. pumping speed 50 Hz (mbar)                                                                                  | 7.3 m <sup>3</sup> /h                        |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Max. pumping speed 60 Hz (cfm)                                                                                   | 4.8 cfm                                      |
| Ultimate vacuum                                                                                                  | 70 mbar / 52 torr                            |
| Number of heads                                                                                                  | 4                                            |
| Number of stages                                                                                                 | 1                                            |
| Permissible ambient temperature range (operation)                                                                | 10 - 40 °C                                   |
| Permissible ambient temperature range (storage)                                                                  | -10 - 60 °C                                  |
| Max. outlet pressure (abs.)                                                                                      | 2 bar                                        |
| Inlet connection                                                                                                 | Hose nozzle DN 8-10 mm                       |
| Outlet connection                                                                                                | 2 x G1/4"                                    |
| Rated motor power                                                                                                | 0.25 kW                                      |
| Rated speed 50/60 Hz                                                                                             | 1500/1800 min <sup>-1</sup>                  |
| Protection class IEC 60529                                                                                       | IP 40                                        |
| Dimensions (L x W x H)                                                                                           | 328 mm x 239 mm x 198 mm                     |
| Weight                                                                                                           | 16.4 kg                                      |
| Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU·PURE®) | 45 dBA                                       |
| ATEX conformity                                                                                                  | II 3/- G Ex h IIC T3 Gc X Internal Atm. only |
| NRTL certification                                                                                               | Yes                                          |

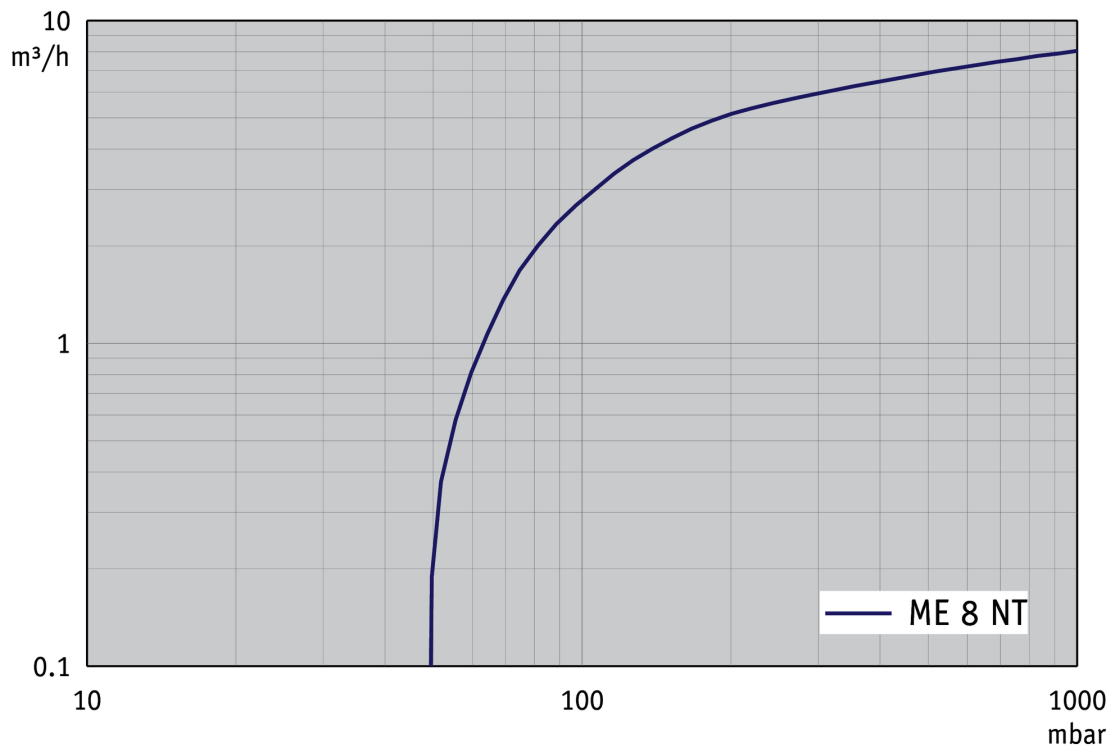
## Pumping speed graph at 50 Hz



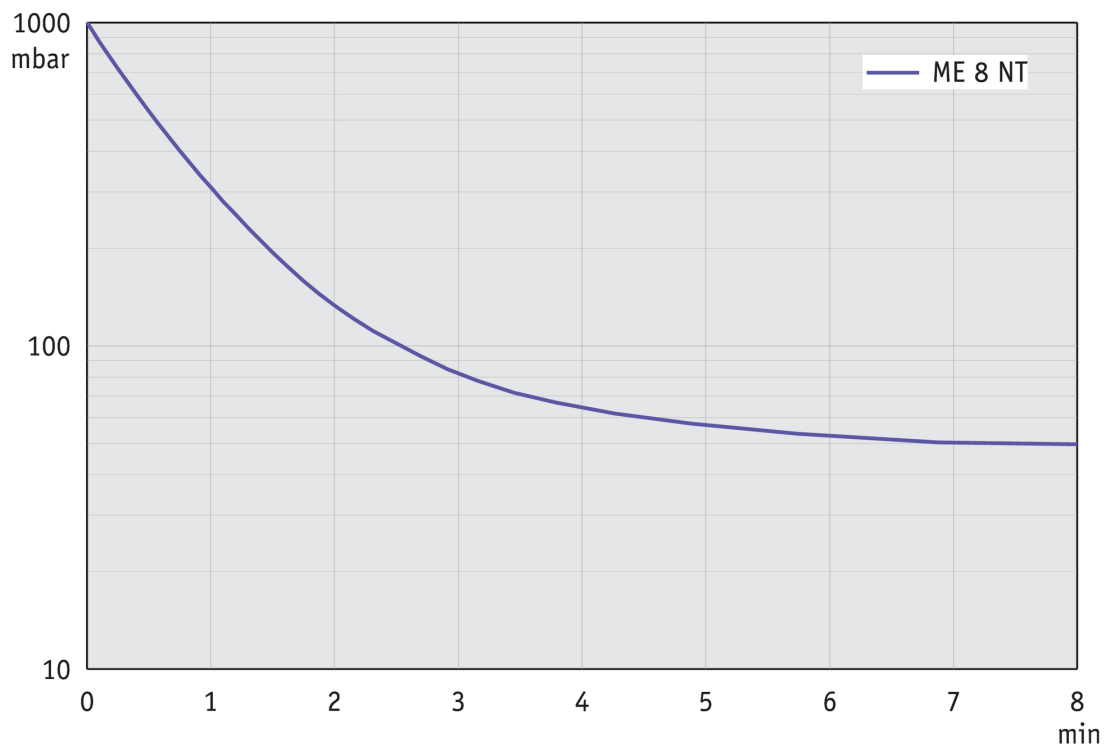
## Pump down graph at 50 Hz (100 l volume)



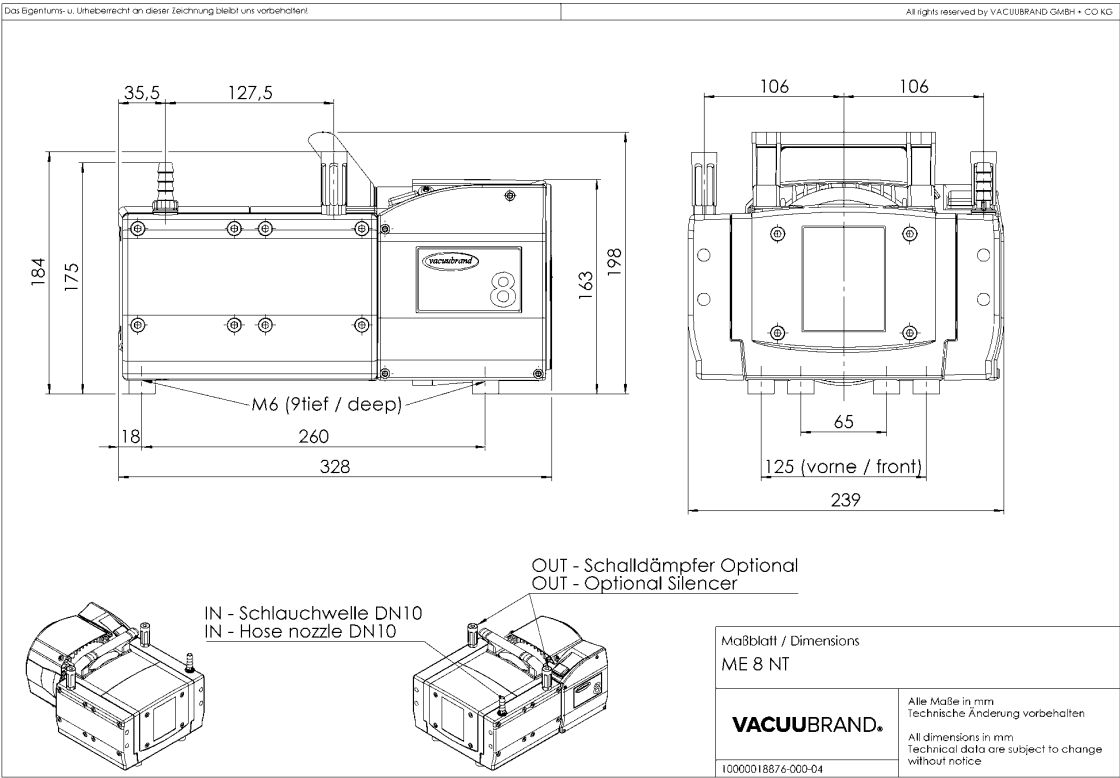
## Pumping speed graph at 60 Hz



## Pump down graph at 60 Hz (100 l volume)



Dimension sheet



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