

# Mink

Claw Vacuum Pump  
MV 1202 A

ENERGOEKONOM  
spol. s r.o.



The Mink MV 1202 A is the largest dry claw vacuum pump of the proven Mink series from Busch.

Mink claw vacuum technology from Busch offers the highest level of energy efficiency for industrial vacuum generation combined with the lowest level of maintenance as well as consistent performance.

The MV 1202 A size now also offers these advantages for applications requiring high pumping speeds.

Due to the sophisticated claw vacuum technology, Mink vacuum pumps achieve an extremely high level of efficiency, which has a positive effect on energy consumption and performance.

In practice, this means potentially great energy-savings and a consistently high performance compared to conventional vacuum generators.

An additional benefit of claw vacuum technology is the virtually maintenance-free operation due to the non-contact operating principle: none of the moving parts inside the vacuum pump come into contact with one another, meaning there is no wear at all.

The need for maintenance, such as the inspection or replacement of worn parts, is completely eliminated. Due to the completely dry compression without the need for any operating fluids in the compression chamber, there are no costs for purchase, provision or disposal. Mink claw vacuum pumps are air-cooled.

The high operational reliability and long life cycles of Mink claw vacuum pumps are also a result of their non-contact compression without operating fluids. Due to wear-free operation, vacuum and suction performance remain consistently high throughout a life cycle of the pump. A smart silencer concept enables quiet operation.

**Mink MV 1202 A –  
the largest industrial  
claw vacuum pump  
from the market leader.**



Mink MV 1202 A

### Technical specifications

With Mink vacuum pumps, two claw-shaped rotors turn in opposite direction inside the housing. Due to the shape of these claw rotors, the air or gas is sucked in, compressed and discharged. The claw rotors do not come into contact either with each other nor with the cylinder in which they are rotating. Tight clearances between the claw rotors and the housing optimise the internal seal and guarantee a consistently high pumping speed.

A synchronisation gearbox ensures exact synchronisation of the claw rotors.

Mink vacuum pumps are driven by a directly flange-mounted asynchronous motor, with an efficiency class IE2.

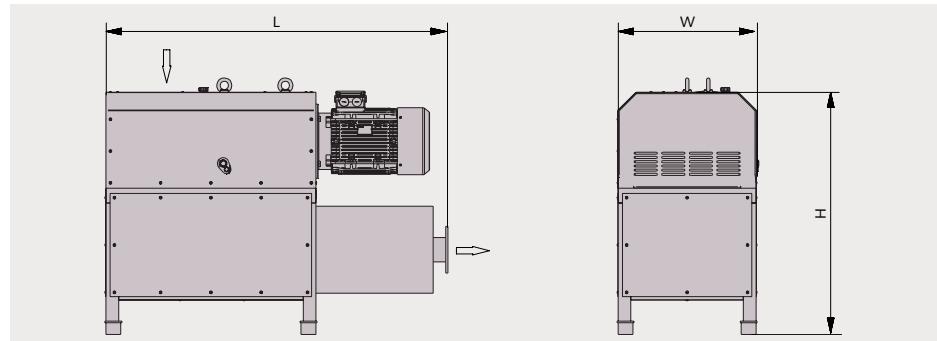
Mink claw vacuum pumps are ideally suited to use with frequency-controlled drives.

### Industrial vacuum generation for many applications

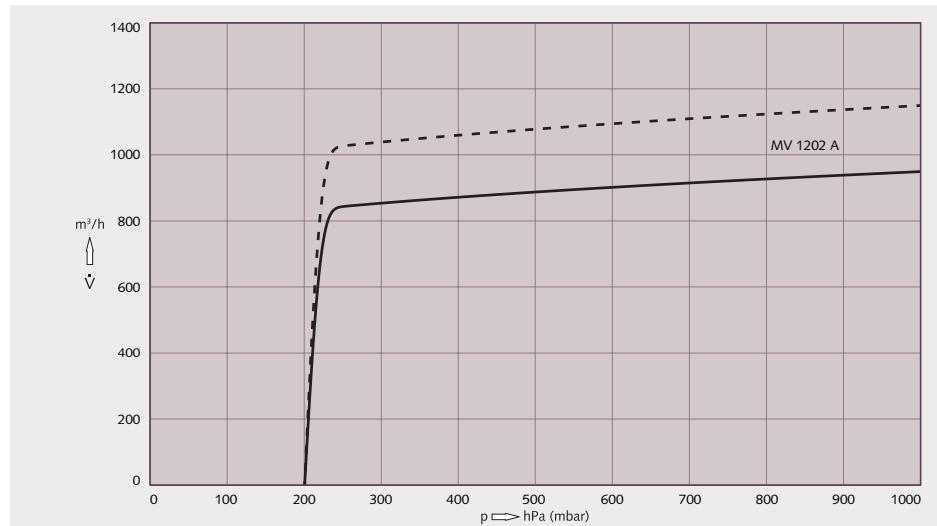
Mink claw vacuum pumps are available in a wide range of sizes. Variants for special applications such as dust and gas explosion protection or high steam contents are also available.

Contact us. Our application specialists are happy to advise you.

Mink MV 1202 A



Pumping speed Air at 20 °C. Tolerance:  $\pm 10\%$  — 50 Hz ----- 60 Hz



### Technical Data

#### MV 1202 A

Nominal pumping speed	50 Hz / 60 Hz	m³/h	950 / 1150
Ultimate pressure	50 Hz / 60 Hz	hPa (mbar)	200
Nominal motor rating	50 Hz / 60 Hz	kW	18.5 / 22.0
Nominal motor speed	50 Hz / 60 Hz	min⁻¹	3000 / 3600
Noise level (ISO 2151)*	50 Hz / 60 Hz	dB(A)	79 / 82
Weight approx.		kg	750
Dimensions	L x W x H	mm	1620 x 670 x 1210
Gas inlet/outlet			DN 100, PN 10/16 / DN 100, PN 10/16

\* at 400 hPa (mbar) inlet pressure