

Mink

Claw Vacuum Pump MV 1202 A



- › **Latest claw vacuum technology**
- › **Quiet:**
lowest sound level due to a state-of-the-art acoustic design, can be installed at workstations
- › **Efficient:**
low energy consumption, minimized operating costs
- › **Compact:**
smallest footprint in its performance class

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 that it is virtually maintenance-free due to the principle of contact-free operation:

none of the moving parts inside the vacuum pump come into contact with each other, 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.**



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Claw Vacuum Pump MV 1202 A



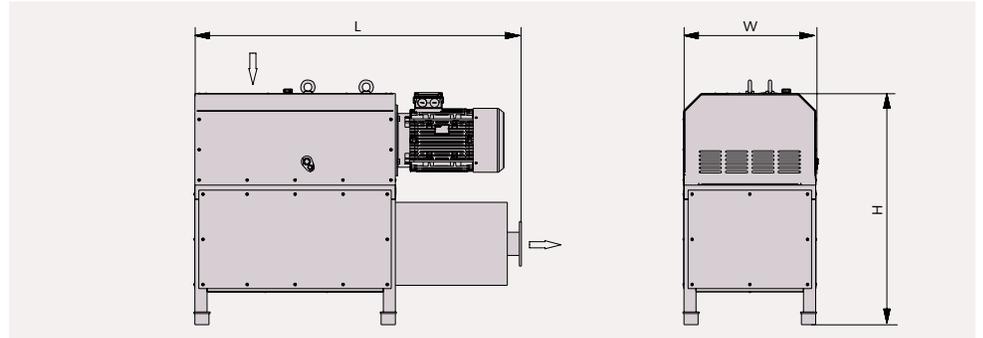
Technical specifications

With Mink vacuum pumps, two claw-shaped rotors turn in opposite directions 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 in contact with each other or with the cylinder in which they are rotating. Tight clearances between the claw rotors and the housing optimize the internal seal and provide a consistently high pumping speed. A synchronization gearbox ensures exact synchronization of the claw rotors. Mink vacuum pumps are driven by a directly flange-mounted motor.

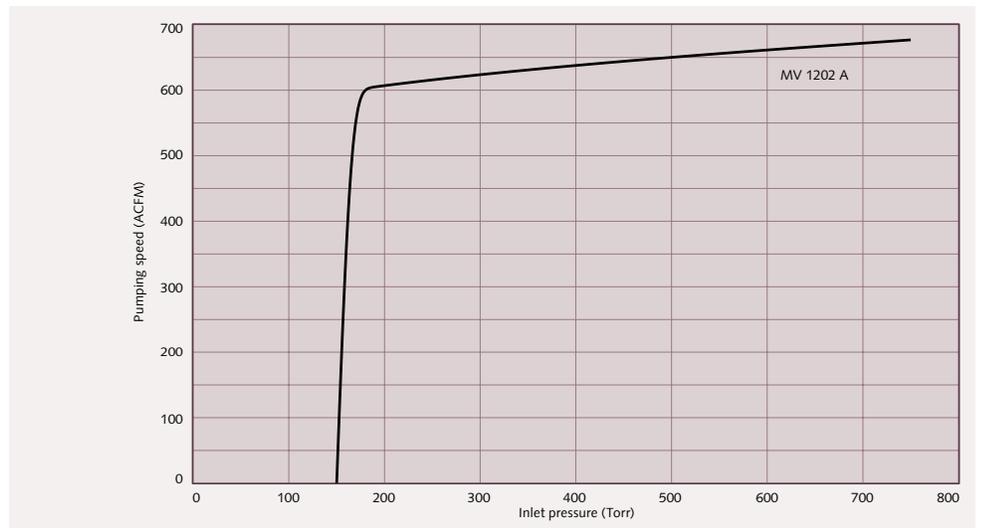
Industrial vacuum generation for many applications

Mink claw vacuum pumps are available in a wide range of sizes. Special models for certain applications such as dust and gas explosion protection, high water vapor content, gas tightness, increased oxygen content etc., are also available.

Mink MV 1202 A



Pumping speed Air at 70 °F. Tolerance: ± 10%



Technical Data		MV 1202 A
Max. pumping speed	ACFM	677
Ultimate pressure	Torr	150
Nominal motor rating	kW (HP)	22.0 (29.5)
Nominal motor speed	RPM	3600
Sound level (ISO 2151) *	dB(A)	82
Approximate weight	Lbs.	1654
Dimensions (L x W x H)	inches	63 ¹³ / ₁₆ x 26 ³ / ₈ x 47 ⁵ / ₈
Gas inlet / outlet		DN 100, PN 10/16 / DN 100, PN 10/16

All performance data is based on ambient conditions of 14.7 PSIA and 70 °F, and has a tolerance of ± 10%. * At 300 Torr inlet pressure

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Technical data is subject to change. Created in Germany MG PL MV1202A USenus 07/2016 6.0