

# Mink

Claw Vacuum Pumps  
MV 0502/0602 B



- › **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 0502 and 0602 B are the result of consistent further development of claw vacuum technology by the market leader in dry claw vacuum pumps. Decades of experience in this technology and use in a large number of applications have resulted in significant improvements integrated into the Mink MV series.

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 energy savings of up to 25 % compared to conventional vacuum technology when operated at the same pumping speed.

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. Mink claw vacuum pumps are air-cooled, which means there are no installation and maintenance costs for cooling.

The high operational reliability and long life cycles of Mink claw vacuum pumps are also a result of their contact-free compression without operating fluids.

The very low sound level has been achieved through Busch Acoustic Design – a completely new approach to sound insulation.

**Mink MV – the new standard  
for claw vacuum pumps.**



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## Claw Vacuum Pumps MV 0502/0602 B



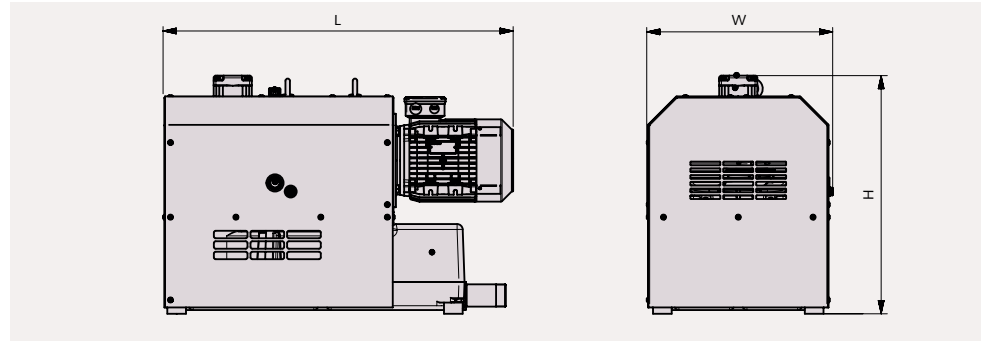
### Technical specifications

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.

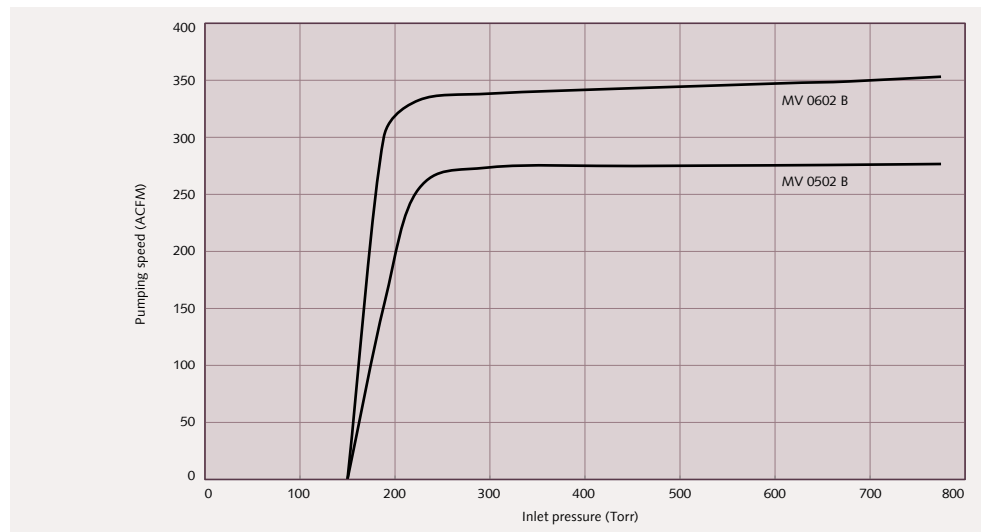
### Industrial vacuum generation for many applications

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 0502/0602 B



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



Technical Data		MV 0502 B	MV 0602 B
Max. pumping speed	ACFM	277	353
Ultimate pressure	Torr	150	150
Nominal motor rating	kW (HP)	9.5 (12.7)	12.6 (16.9)
Nominal motor speed	RPM	3600	3600
Sound level (ISO 2151)*	dB(A)	75	76
Approximate weight	Lbs.	1036	1040
Dimensions (L x W x H)	inches	42 3/4 x 22 13/16 x 31 5/16	43 5/16 x 22 13/16 x 31 5/16
Gas inlet / outlet		G 3" / R 2"	G 3" / R 2"

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 MV05020602B USenus 07/2016 6.0