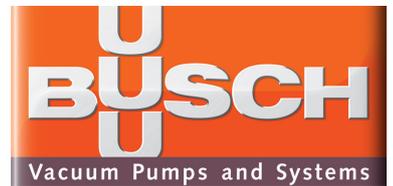


Mink

Claw Vacuum Pumps MM 1402/1502 AV



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 two new pump sizes MM 1402 AV and MM 1502 AV now also offer these advantages to applications that require higher 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 energy savings of up to 60% compared to conventional vacuum technology when operated at the same pumping speed.

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 – save up to 60%
of your operating costs
for vacuum generation.**



Mink MM 1502 AV

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Claw Vacuum Pumps MM 1402/1502 AV



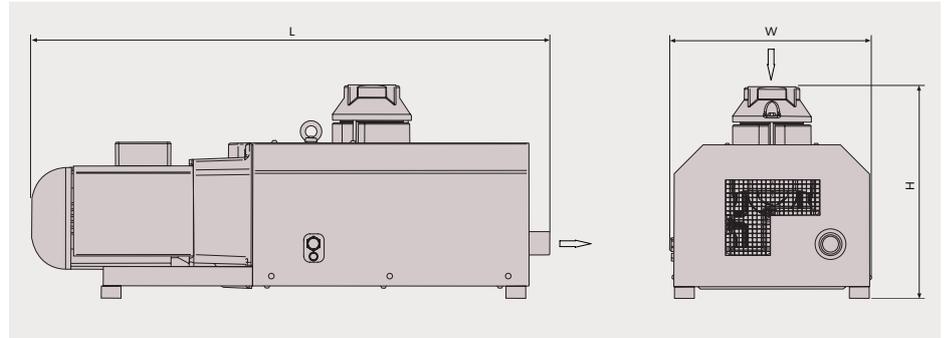
Technical specifications

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.

Industrial vacuum generation for many applications

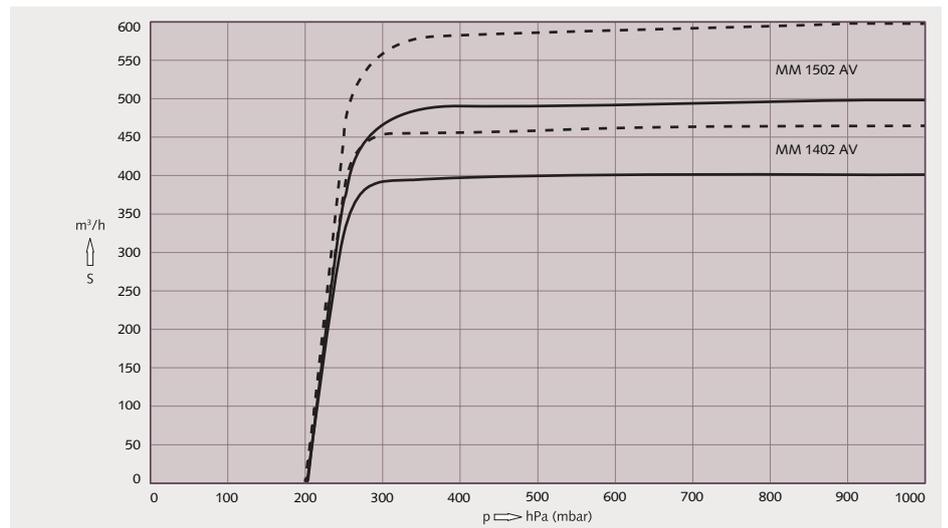
Mink claw vacuum pumps are available in a wide range of sizes. Special models for certain applications such as dust and gas explosion protection, high water vapour contents, gas tightness, increased oxygen contents etc. are also available. Contact us. Our application specialists are happy to advise you.

Mink MM 1402/1502 AV



Pumping speed

Air at 20 °C. Tolerance: ± 10% — 50 Hz - - - - 60 Hz



Technical Data			MM 1402 AV	MM 1502 AV
Nominal pumping speed	50 Hz / 60 Hz	m ³ /h	400 / 470	500 / 600
Ultimate pressure	50 Hz / 60 Hz	hPa (mbar)	200	200
Nominal motor rating	50 Hz / 60 Hz	kW	7.5 / 9.5	(9.2)* 11.0 / 12.6
Nominal motor speed	50 Hz / 60 Hz	min ⁻¹	3000 / 3600	3000 / 3600
Noise level (ISO 2151)	50 Hz / 60 Hz	dB(A)	79 / 83	80 / 82
Weight approx.		kg	290 / 320	325
Dimensions	L x W x H	mm	1310 x 515 x 545	1310 x 515 x 545
Gasinlet / outlet		G	3" / 2"	3" / 2"

* 50 Hz only

Dr.-Ing. K. Busch GmbH

Schauinslandstraße 1 | 79689 Maulburg | Tel. +49 (0)7622 681-0 | info@busch.de | www.busch.de

Argentina Australia Austria Belgium Brazil Canada Chile China Czech Republic Denmark Finland France Germany Hungary India Ireland Israel Italy Japan Korea Malaysia Mexico New Zealand Netherlands Norway Poland Portugal Russia Singapore South Africa Spain Sweden Switzerland Taiwan Thailand Turkey United Arab Emirates United Kingdom USA

Technical data is subject to change. Created in Germany 06/18