

# Mink

Claw Vacuum Pumps  
MM 1324–1322 AV



- › **Efficient:**  
energy-efficient, minimized operating costs
- › **Nearly Maintenance-Free:**  
dry and contact-free operation
- › **Reliable**

Busch Mink claw vacuum technology for industrial vacuum generation offers the highest possible energy efficiency combined with low maintenance and a constant level of performance.

The sophisticated design of Busch claw vacuum technology allows Mink claw vacuum pumps to operate at extremely high efficiency levels, which has a positive effect on the pumping speed and energy consumption. In practice this means substantial energy savings for the same pumping speed when compared to conventional vacuum generators.

The contact-free operating principle of claw vacuum technology provides the benefit of nearly maintenance-free operation: None of the internal moving parts of the vacuum pump come in contact with each other, so components are not subject to wear. Servicing tasks such as inspection and replacement of worn parts are eliminated completely.

The proven, completely dry claw vacuum technology of Mink claw vacuum pumps allows them to run without operating fluids in the compression chamber. In practice this means no contamination of the pumped medium, and no environmental emissions. In addition, no costs arise for the purchase, replacement and disposal of operating fluids.

Mink claw vacuum pumps are air-cooled, so no effort for the installation and maintenance of a cooling system is required. Their contact-free operating principle allows them to run extremely efficiently throughout the vacuum range and to deliver constantly high pumping speeds during their entire life cycle.

The outstanding reliability and long service lifetime of Mink claw vacuum pumps are also a result of the contact-free and dry compression. An intelligent sound insulation design allows Mink claw vacuum pumps to operate at low noise levels.

**Mink – efficient and reliable vacuum generation.**



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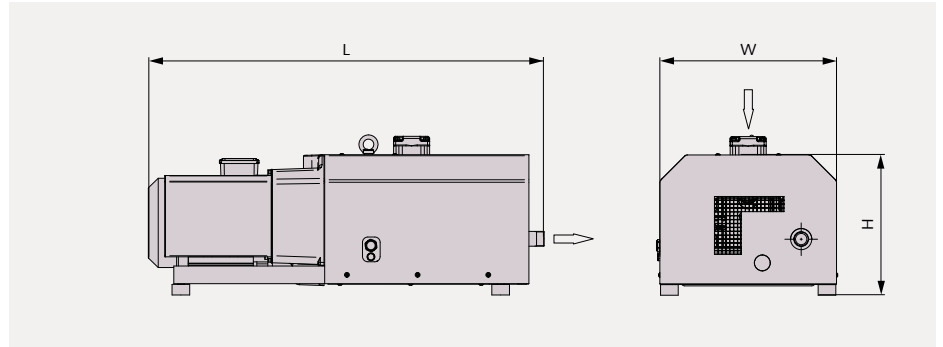
## Claw Vacuum Pumps MM 1324–1322 AV



### Technical specifications

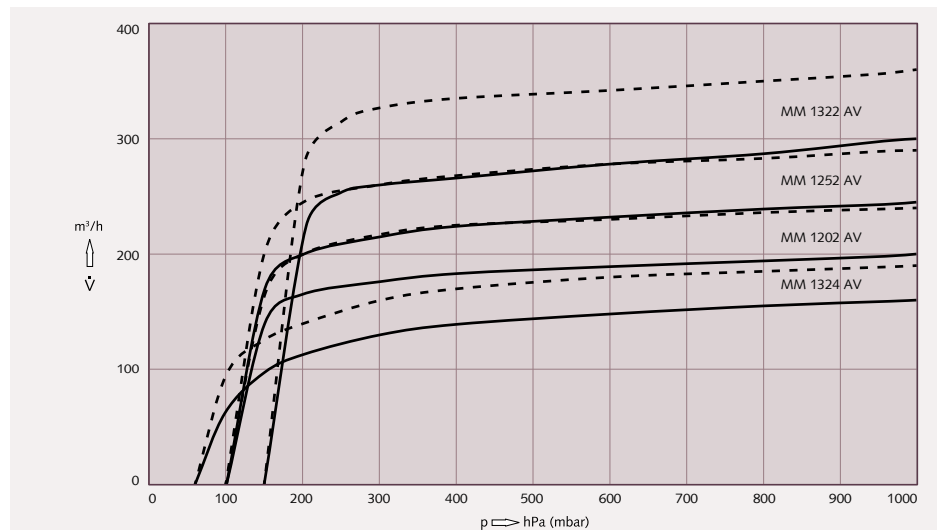
Mink claw vacuum pumps feature two claw-shaped rotors that move in opposite directions, mounted in a housing. The shape of these claw rotors extracts, compresses and expels air or gas. The rotors do not come in contact with each other or the housing, so no lubricants or operating fluids are required in the compression chamber. The minimal clearance between the rotors and the chamber housing optimizes the internal seal and ensures constantly high pumping speeds. An effective air cooling system ensures optimal operating temperatures. A synchronizing gearbox maintains precise rotor timing. Mink claw vacuum pumps are driven by a directly flange-mounted asynchronous motor of efficiency class IE3.

### Mink MM 1324–1322 AV



### Pumping speed

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



Technical data			MM 1324 AV	MM 1202 AV	MM 1252 AV	MM 1322 AV
Nominal pumping speed	50 Hz / 60 Hz	m <sup>3</sup> /h	160 / 190	200 / 240	245 / 290	300 / 360
Ultimate pressure	50 Hz / 60 Hz	hPa (mbar)	60	100	100	150
Nominal motor rating	50 Hz / 60 Hz	kW	(3.0)* 4.0 / 4.2	(4.2)* 4.3 / 5.2	(5.0)* 5.1 / 6.8	6.0 / 8.0
Nominal motor speed	50 Hz / 60 Hz	min <sup>-1</sup>	1500 / 1800	3000 / 3600	3000 / 3600	3000 / 3600
Noise level (ISO 2151)	50 Hz / 60 Hz	dB(A)	70 / 74	75 / 79	75 / 79	77 / 82
Weight approx.		kg	240 / 270	240 / 245	240 / 290	260 / 300
Dimensions (L x W x H)	50 Hz 60 Hz	mm	1040 x 515 x 450 1100 x 515 x 450	1010 x 515 x 450 1090 x 515 x 450	1050 x 515 x 450 1065 x 515 x 450	1120 x 515 x 450 1120 x 515 x 450
Gas inlet / outlet			G 2" / R 1"	G 2" / R 1"	G 2" / R 1"	G 2" / R 1 ¼"

\* 50 Hz only

[www.buschvacuum.com](http://www.buschvacuum.com)

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Technical data is subject to change. Created in Germany. MG PL MINKMM13241322AV Len 02/2019 9Aa