

Mink MM 1104 - 1142 BV Mink MM 1324 - 1322 AV





MM 1142 BV

Description

The Busch MM Series positive displacement vacuum pumps feature a compact rotary claw design that is air cooled, dry-running and noncontacting. These features along with quality construction results in a pump that offers extremely high reliability and a long service life.

Ultra Low Maintenance

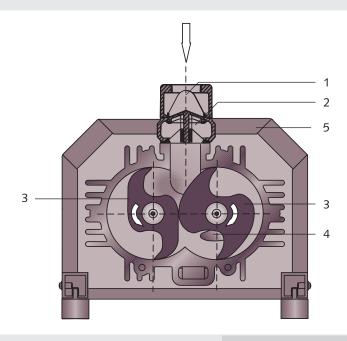
Non-contacting design – eliminates internal wear and parts to replace Air cooling – no water levels to check and no cooling system to maintain Dry running - no sealing or lubricating volumetric efficiency along with a oil is needed in the pumping chamber, so there is minimal maintenance.

Economical

Operating costs are low because of the maintenance-free design and the reduced power requirements made possible by the Mink MM's high zero-friction pumping chamber.

Dry Rotary Claw Vacuum Pumps

Operating Principle



- 1 Gas Inlet
- 2 Non-return valve
- 3 Claws
- 4 Gas outlet
- 5 Acoustic enclosure

Operating Principle

Inside the pump housing, two claw shaped rotors take in air as they rotate in opposite directions. The air is compressed by the rotors, then discharged through a silencer to atmosphere.

The non-return valve incorporated into the inlet flange prevents air from back flowing into the vacuum chamber when the pump is turned off.

Mink MM rotary claw vacuum pumps are directly driven by a flanged motor, and the two rotors are synchronized by gears.

A wide range of accessories allows optimum adaptation to many applications.

Applications

Beverage Industry

Central Vacuum Systems

Ceramics and Brick Industry

Environmental Technology

Food Industry

Medical Technology

Packaging Industry

Paper Industry

Plastics Industry

Pneumatic Conveying

Printing Industry

Textile Industry

Transport and Lifting Systems

Vacuum Sewerage

Wood Industry

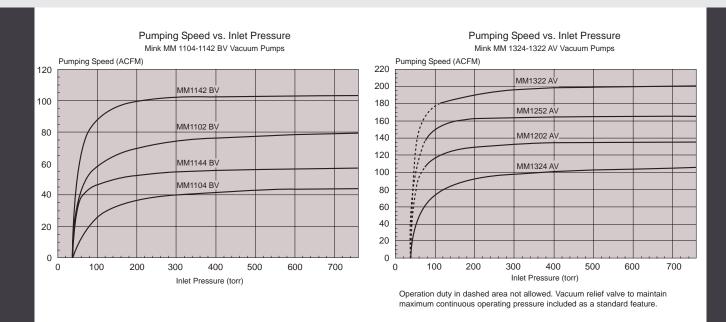
Hospitals

Any application where dust particles

may be present



Technical Data



Technical Data								
Mink MM Model	1104 BV	1144 BV	1102 BV	1142 BV	1324 AV	1202 AV	1252 AV	1322 AV
Nominal pumping speed ACFM	44	57	79	103	106	135	165	200
Ultimate pressure continuous duty Torr ("HgV)	37.5 (28.4)	37.5 (28.4)	37.5 (28.4)	37.5 (28.4)	37.5 (28.4)	75 (27)	75 (27)	112.5 (25.5)
Ultimate pressure Torr ("HgV)	N/A	N/A	N/A	N/A	N/A	37.5 (28.4)	37.5 (28.4)	37.5 (28.4)
Motor size kW(HP)	1.5 (2.0)	2.2 (3.0)	3.0 (4.0)	4.0 (5.4)	3.6 (4.8)	4.8 (6.4)	5.5 (7.4)	6.5 (8.7)
Nominal motor speed RPM	1800	1800	3600	3600	1800	3600	3600	3600
Sound level rating* dBA	70	70	79	79	74	79	79	82
Approximate weight Lbs.	378	396	383	411	513	519	528	532

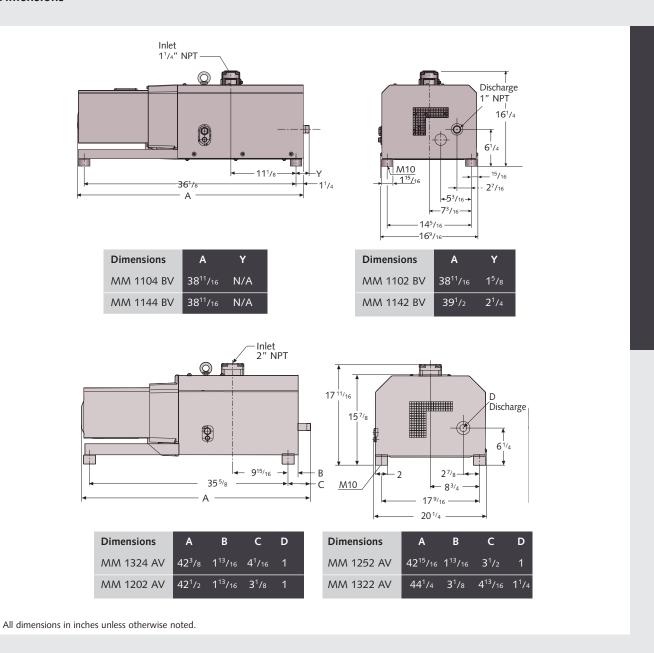
^{*}DIN EN ISO2151, at 300 torr inlet pressure

Performance data based on ambient conditions of 14.7 PSIA and 70° F, and have a tolerance of +/- 10%.

Dry Rotary Claw Vacuum Pumps



Dimensions





Busch - all over the world in industry

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ISO 9001-2000 Registered Company

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