Ametek Lamb 119436-29 24V DC 2-Stage Tangential-Bypass Vacuum Motor with 1.5-Inch Inlet Tube 9.103-280.0



Model Number: 119436-29

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Manufacturer: Ametek-Lamb

Ametek Lamb 119436-29 24V DC 2-Stage Tangential-Bypass Vacuum Motor with 1.5-Inch Inlet Tube
Manufacturer: Ametek Lamb / Bison
Manufacturer Part Number: 119436-29
Voltage: 24 Volts DC
Motor Size: 5.7-Inch Diameter
Fan Stages: 2
Discharge: Tangential Bypass
Inlet Tube: 1.5-Inch Diameter x 1.0-Inch Long
Power Level: 375 Watts
The Ametek Lamb 119436-29 is a 24-volt DC, two-stage vacuum motor built for commercial floor-care and extraction equipment requiring a 5.7-inch motor, tangential exhaust discharge and a factory-installed 1.5-inch inlet tube. Its bypass design keeps the working airflow separate from the motor-cooling air, while the tangential outlet directs exhaust away through the machine's discharge system.
Important: This is the 119436-29 version with a 1.5-inch inlet tube. Do not select a replacement by voltage and motor diameter alone. Before ordering, compare the complete part number, inlet-tube size and length, tangential exhaust orientation, mounting arrangement, electrical connections and available installation clearance with the motor being replaced.
Product Features

- 24-volt DC operation
- Two-stage fan system
- 5.7-inch nominal motor diameter
- Tangential-bypass exhaust configuration
- Factory-installed 1.5-inch-diameter x 1.0-inch-long inlet tube
- 375-watt manufacturer power classification
- Double-ball-bearing construction
- Single-speed motor
- Standard-flow design
- Thermoset fan-end and commutator brackets
- Epoxy-painted fan case
- UL Recognized, category PRGY2 (E47185)
- Replacement carbon-brush kit: Ametek Lamb 833494-54

Specifications

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Brand
Ametek Lamb / Bison

Part Number
119436-29

Product Type
Brushed bypass vacuum motor

Voltage
24V DC

Power Level
375 watts

Fan Stages
2

Frame / Nominal Diameter
5.7 inches / 145 mm

Discharge Configuration
Tangential bypass

Inlet Tube
1.5-inch diameter x 1.0-inch long

Speed
Single speed; no speed control

Bearings
Double ball bearings

Flow Class
Standard flow

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Replacement Brush Kit
833494-54

Typical Maximum Sealed Vacuum
45.8 inches H2O at 24V DC

Manufacturer Minimum Sealed Vacuum
41.4 inches H2O

Maximum Input in Manufacturer Test Specification
431 watts

Performance figures are based on the Ametek Lamb product bulletin at 24 volts DC under standard test conditions. Actual performance can vary with the machine, airflow restriction, ducting, filters, battery condition and normal manufacturing tolerances. The 375-watt power level is the manufacturer's product classification; the bulletin separately lists 431 watts as the maximum test specification.

Cross-Reference Numbers

This motor is commonly associated with the following equipment-manufacturer and distributor reference numbers:

- Karcher / Windsor 9.103-280.0 and 91032800
- Nilfisk / Clarke 9096802000
- 116157-29
- 601468 and 601468AM
- 8.685-469.0
- 9098062000
- 9099401000
- 993-2379
- ASM601468AM
- ASMCAST3NB
- VM-29-B and VM-29B

Cross-reference caution: A cross-reference is a purchasing aid, not a guarantee of fit. Equipment manufacturers can change motors during a model's production run. Confirm the number printed on the original motor and compare its inlet, discharge, mounting and electrical configuration before purchase.

Application and Safety Notes

This motor may be installed in properly designed scrubbers, carpet extractors and

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other floor-care equipment where the machine separates recovered moisture and debris from the vacuum motor. The motor is designed to move clean, dry, filtered air only; it is not a water pump and must not ingest liquid, foam, debris, dry chemicals or volatile material.
Inspect and correct the machine's float shutoff, recovery-tank seals, filters, defoaming practices and airflow path before installing a replacement motor. Liquid or foam ingestion can damage the fan system, bearings and electrical components.
Installation should be performed by a qualified service technician with the machine disconnected from its battery or power supply.
Included

- One Ametek Lamb 119436-29 vacuum motor with factory inlet tube

Gaskets, wiring, mounting hardware, hoses, filters and other machine-specific installation parts are not included unless separately shown or stated.

Machine Compatibility
The Ametek Lamb 119436-29 vacuum motor, also referenced as 9.103-280.0, 91032800 and Nilfisk/Advance 9099401000, was factory specified for selected versions of the following machines:

- Advance Adfinity 17ST, 20ST, X20R, 20D, X20D, X20C and X24D
- Clarke Focus II L17, L20, L20 Cylindrical, BOOST L20 and S20
- Kent Razor 20 and Razor 20T
- Nilfisk BA451, BA451D, BA531 and BA531D
- Nilfisk BA551, BA551D, BA551CD and BA611D
- Nilfisk-ALTO Scrubtec 653B, 653BL, 651BCL and 661BL

Important: Some production versions of these machines used a different Viper vacuum motor. Confirm that the original motor is Ametek 119436-29 or cross-references to 9.103-280.0, 91032800 or 9099401000. Also compare the 24-volt rating, 1.5-inch inlet tube, tangential discharge, mounting and electrical connections before ordering.

Availability: This product was added to our catalog on Tuesday 27 February, 2018