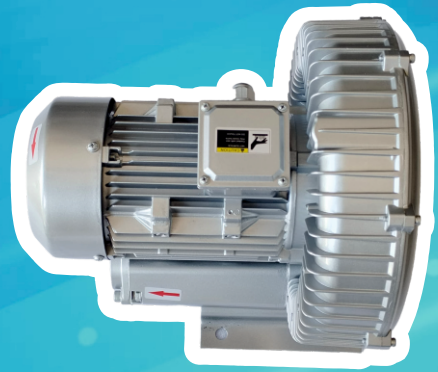




# AMIT ELECTRICALS

## Ring Blower Motor



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# Ring Blower Motor

**AMIT ELECTRICALS** is a manufacturer, supplier, and exporter of ring blowers under the brand "ATLAS." Also known as regenerative blowers or side channel blowers, these devices create airflow for various industrial and commercial applications. They operate using centrifugal force, with a high-speed impeller spinning within a housing to generate continuous airflow. We manufacture both single-stage and double-stage ring blowers or side channel blowers.

## Specifications

### RANGE OF PRODUCTIONS (Three Phase)

- ✓ 0.25 to 10 HP (0.18 to 7.5 kW)
- ✓ Voltage :  $415 \pm 5\%$ , 50 Hz  $\pm 3\%$ .
- ✓ Other options such as 220V, 380V, 460V, 525V, and 50 or 60Hz on demand.
- ✓ Operate at high pressure, typically ranging from 100 to 650 mbar.

### RANGE OF PRODUCTIONS (Single Phase)

- ✓ 0.25 to 2.0 HP (0.18 to 1.5 kW)
- ✓ Voltage :  $215 \pm 5\%$ , 50 Hz  $\pm 3\%$ .
- ✓ Also available in 110V on 60 Hz.

## Impeller

- ✓ Core component: high-speed impeller with radial blades.
- ✓ Made from lightweight, durable aluminum alloy.

## Housing

- ✓ Impeller enclosed in a precisely engineered side channel housing.
- ✓ Housing is typically pressure die-cast for strength and durability.

## Inlet and Outlet Ports

- ✓ Threaded ports allow air intake and discharge.
- ✓ Equipped with silencers to minimize noise.

## Bearings and Seals

- ✓ Impeller supported by self-lubricating bearings.
- ✓ Seals prevent air leakage for efficient operation.

## Winding Insulation

- ✓ Windings insulated with Class "F" insulation.
- ✓ Fully impregnated with high-grade varnish for tropical conditions.

## Duty

- ✓ Designed for continuous operation (S1 duty) to meet performance standards.

## Application

- ✓ Used in HVAC, irrigation, and dust control systems.
- ✓ Ideal for vacuum, packaging, and printing applications.
- ✓ Supports cooling, drying, and medical equipment functions.

## Features

- ✓ High efficient
- ✓ Compact design
- ✓ Durable
- ✓ Smooth finishing
- ✓ Economical price
- ✓ Precision design
- ✓ Long Life

