

INDUSTRIAL CYCLONE DUST COLLECTOR / EXTRACTOR 3HP 415V
VORTEX 440 BY ALFARIMINI



Mobile cyclone dust extractor with high pressure fan suitable for medium to large sized trade workshops.

The industrial cyclone dust collector / extractor from Alfa Rimini features an efficient and effective design to capture up to 99% of dirt particles from the air. Its vortex construction forces air into a downward spiral, where centrifugal forces separate the particles from the gas flow. The remaining particles are collected in the filter body for clean, dustless air.

How it Works

The dusty air enters the VORTEX through the extraction inlet of the cyclone.

Thanks to the cylindrical and then conical shape, the air flow is forced into downward spiral motion.

As a result of the centrifugal force, the particles separate from the gas flow that contains them and are dragged by the force of gravity towards the lower part of the filter where they are collected.

The finer particles that remain in suspension are extracted and through the inner cylinder, pushed by the fan into the filter body and retained and collected here.

The percentage of dust captured by the cyclone is much greater than that ending up in the final container, in a ratio that can reach up to 99% of the total, depending on the grain size and physical characteristics of the dust or chip extracted.

Features

- High Efficiency filtration** - Wide range of filtering media: Filtering bags; Filtering cartridges IFA-BGIA [M]
- Safety** - It's impossible to touch the fan with your hands
- Energy Saving Motors** - Motors IE2 - IE3 - IE4

| SKU | Option | Part # | Price |
|---------|--------|-------------------|--------|
| 8043074 | | VORTEX 440 - 415V | \$7250 |

| Model | |
|------------------------------|---|
| Type | Cyclone Dust Collector / Extractor |
| SKU | 8043074 |
| Part Number | VORTEX 440 - 415V |
| Brand | Alfarimini |
| Technical - Main | |
| Power Source | 415V 50Hz (Three Phase) |
| Motor Power (Input) | 3HP (2.2kW / 2200W) |
| Filter Class | HEPA |
| Filtration Rate | 1 Micron |
| Filter Bag / Sleeve Diameter | 500 mm |
| Filter Bag / Sleeve Volume | 160L |
| Filter Bag / Sleeve Material | Cartridge Canister Filter |
| Collection Bag Material | Plastic |
| Dimensions | |
| Product Length | 1200 mm |
| Product Width | 800 mm |
| Product Height | 2200 mm |
| Country of Origin | |
| Manufactured in | Italy |
| Features | |
| Standard Inclusions | Standard Filter Bag |
| Safety | |
| CE Certified | ✓ |
| Dust Port | 1 x 200mm |
| Warranty | |
| Warranty | 1 Year |
| Brochure | |
| Brochure | https://cdn.shopify.com/s/files/1/0588/3160/1843/files/ALFARIMINI_-_VORTEX_440_CYCLONE.pdf?v=1684747072 |
| | |

Inspection Porthole
Collection bags for fine dust made in Recycled Polyethylene LDPE

Specification

Air flow: 2,800m3/HR
Collection Bin Size: 160L
Collection Bags: 1
Filtering Bag Size: 500mm
Filtering Bags: 1
Suction Hoods: 200mm
Pressure: 2600 Pascals
Motor Speed: 2800RPM

Consumables

500mm Filtering Bags
Optional Filter Upgrade - Polyester Cartridge FC500/1000L
#8000802
160L Collection Bags
Full 12Month Manufacturer's Warranty (for Wood Dust)

| | |
|-------------------------|---|
| Packaging + Shipping | |
| Shipping Weight (Gross) | 296.0 kg |
| Shipping Notes | This product is classified as 'Heavy / Oversized' and generally does not qualify for FREE SHIPPING. |