



MOBILE VACUUM SYSTEM

Oriental Synergy designed and manufactured a wide range of vacuum cleaning and recovery systems -

Electric or diesel driven, mobile or stationary centralized with pipe work systems.

Power ranging from **3 HP - 500 HP.**

RB SERIES

Features :

- Designed for round-the-clock continuous operation.
- Rugged, heavy duty, high powered vacuum producer.
- Durable, compact, portable chassis offers greatest mobility.
- Easy-to-handle, removable dump bucket.
- Automatic filter cleaning system by air jet-pulse or manual filter shaker.
- High efficiency filters ensure no emission of dust particles into the environment.
- Minimal maintenance and trouble-free operation.
- *Explosion-proof motor, cyclones and pre-separators* are the options available.

ATLAS™ vacuum systems are used in the following industrial applications:-

- *Packing plants*
- *Catalyst handling in oil refineries and chemical industries.*
- *Steel mills*
- *Cement plants*
- *Pneumatic conveying*
- *Coal mills*
- *Maintenance works*
- *Source capture dust control*
- *Rice mills*
- *Housekeeping*
- *Central vacuum cleaning system*
- *Clinker silos*



| DESCRIPTION | | SPECIFICATION | | | |
|-------------------------|-------------------|--|--|--|--|
| MODEL- ATLAS™ | | RB-V 1 | RB-V 2 | RB-V 3 | RB-V 4 |
| Voltage | Volts | 3-Phase, 415 V-50 Hz | 3-Phase, 415 V-50 Hz | 3-Phase, 415 V-50 Hz | 3-Phase, 415 V-50 Hz |
| Power | Kw | 2.2 (3 HP) | 3.4 (5 HP) | 5.5 (7.5 HP) | 7.5 (10 HP) |
| Air Flow | m ³ /h | 302 | 320 | 520 | 780 |
| Vacuum | mbar | 270 | 300 | 300 | 300 |
| Filtering Surface | cm ² | 6,700 | 6,700 | 12,800 | 12,800 |
| Filter Cleaning Method | | BY EXTERNAL MECHANICAL MANUAL FILTER SHAKER | | | |
| Dust Container Capacity | Litres | 50 ~ 100 | 50 ~ 100 | 60 ~ 120 | 60 ~ 120 |
| Emptying Mechanism | | Quick-release Lever | Quick-release Lever | Quick-release Lever | Quick-release Lever |
| Noise Level | dB(A) | 72 | 73 | 76 | 78 |
| Connection | mm | 40/50 | 50 | 75 | 100 |
| Construction | | Monoblock Type, Carbon Steel Enclosure-Powder Coated | Monoblock Type, Carbon Steel Enclosure-Powder Coated | Monoblock Type, Carbon Steel Enclosure-Powder Coated | Monoblock Type, Carbon Steel Enclosure-Powder Coated |
| Outline Dimension | mm | 700 (W) x 1,300 (L) x 1,500 (H) | 700 (W) x 1,300 (L) x 1,500 (H) | 800 (W) x 1,500 (L) x 1,600 (H) | 800 (W) x 1,500 (L) x 1,600 (H) |
| Total weight | kg | 102 | 135 | 165 | 176 |
| Customized Versions | | Yes, upon request | Yes, upon request | Yes, upon request | Yes, upon request |

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| DESCRIPTION | | SPECIFICATION | | | |
|-------------------------|-------------------|--|--|--|--|
| MODEL- ATLAS | | RB-V 1/S | RB-V 1 | RB-V 2 | RB-V 3 |
| Voltage | volts | 1-Phase 230V or 3-Phase 415 V-50 Hz | 3-Phase, 415 V-50 Hz | 3-Phase, 415 V-50 Hz | 3-Phase, 415 V-50 Hz |
| Power | kw | 1.5 | 2.2 | 4 | 5.5 |
| Air Flow | m ³ /h | 202 | 302 | 320 | 522 |
| Vacuum | mbar | 210 | 270 | 300 | 300 |
| Dust Container Capacity | litres | 30 | 30 | 40 | 60 |
| Emptying Mechanism | | Quick-release Lever | Quick-release Lever | Quick-release Lever | Quick-release Lever |
| Protection | IP | 55 | 55 | 55 | 55 |
| Noise Level | dB(A) | 71 | 72 | 73 | 75 |
| Connection | mm | 40/50 | 40/50 | 50 / 75 | 75 |
| Construction | | Monoblock Type, c/w Sound Enclosure- Powder Coated | Monoblock Type, c/w Sound Enclosure- Powder Coated | Monoblock Type, c/w Sound Enclosure- Powder Coated | Monoblock Type, c/w Sound Enclosure- Powder Coated |
| Outline Dimension | mm | 700 (W) x 1300 (L) x 1,500 (H) | 700 (W) x 1300 (L) x 1,500 (H) | 700 (W) x 1300 (L) x 1,500 (H) | 800 (W) x 1500 (L) x 1,600 (H) |
| Total weight | kg | 70 | 81 | 135 | 165 |
| Customized Versions | | Yes, upon request | Yes, upon request | Yes, upon request | Yes, upon request |



MOBILE VACUUM SYSTEM

Oriental Synergy designs and manufactures a wide range of vacuum cleaning and recovery systems - *Electric or diesel driven, mobile or stationary centralized* with pipe work systems. Power ranging from **15 HP - 500 HP**.

MT SERIES

Features :

- Designed for round-the-clock continuous operation.
- Rugged, heavy duty, high powered vacuum producer.
- Durable, compact, portable chassis offers greatest mobility.
- Easy-to-handle, removable dump bucket.
- Automatic filter cleaning system by air jet-pulse.
- High efficiency filters ensure no emission of dust particles into the environment.
- Minimal maintenance and trouble-free operation.
- *Explosion-proof motor, cyclones and pre-separators* are the options available.



ATLAS vacuum systems are used in the following industrial applications:-

- *Packing plants*
- *Cement plants*
- *Maintenance works*
- *Housekeeping*
- *Catalyst handling in oil refineries and chemical industries.*
- *Pneumatic conveying*
- *Source capture dust control*
- *Central vacuum cleaning system*
- *Steel mills*
- *Coal mills*
- *Rice mills*
- *Clinker silos*

| DESCRIPTION | | SPECIFICATION | | |
|--|--------------------|---|------------------------|------------------------|
| MODEL | | ATLAS MT-0805/20 | ATLAS MT-205/30 | ATLAS MT-206/40 |
| Voltage | volts | 415V- 3Phase - 50 Hz | 415V- 3Phase - 50 Hz | 415V- 3Phase - 50 Hz |
| Motor Power | kW/HP | 15 / 20 | 22 / 30 | 30 / 40 |
| Air Flow | m ³ /h | 1,100 | 1,800 | 1,900 |
| Vacuum | mmH ₂ O | 3,800 | 4,200 | 4,600 |
| Filter Area | m ² | 12 | 16 | 20 |
| Filter Efficiency | micron | 1 | 1 | 1 |
| Filter Cleaning Method | | Automatic, by Reversed Compressed-Air Jet Pulse | | |
| Dust Container Capacity (Options upto 3,000 litres) | litres | 175 | 175 | 175 |
| Emptying Mechanism | | Quick-release Lever | Quick-release Lever | Quick-release Lever |
| Protection | IP | 55 | 55 | 55 |
| Noise Level | dB(A) | 75 | 78 | 80 |
| Hose Connection | mm | 100 | 150 | 150 |
| Outline Dimension (Length x Width x Height) | mm | 1,600 x 900 x 1,750 | 2,000 x 1,200 x 2,200 | 2,000 x 1,200 x 2,200 |
| Total weight | kg | 350 | 420 | 480 |