

# Technical Specification

## JMS-30-MDT (Slimline)

### Overview

|              |  |
|--------------|--|
| Air Volume   | 30m <sup>3</sup> /s                                  |
| Power        | Volvo Penta T4F/5 160kW Diesel                       |
| Fuel Tank    | 220L Diesel Fuel Tank<br>20L Adblue Fuel Tank        |
| Mobility     | Track Mounted with Remote Control Operation          |
| Fabrication  | 3mm & 5mm Mild Steel<br>International Two Pack Paint |
| Air Intake Ø | 1 x 1372mm plus 4 x 508mm Ø                          |

### Filter Technical Data

|  |                                 |
|--|---------------------------------|
| Air Volume                                   | 30m <sup>3</sup> /s             |
| Number of High Efficiency Filters            | 32                              |
| Filter Cleaning Efficiency                   | 99.99% at 0.067 micron          |
| Total Filter Surface Area                    | 896m <sup>2</sup>               |
| Filter Temperature Limit                     | 82°C (179.6°F)                  |
| Method of Changing Filters                   | Via 4 Filter Doors              |
| Estimate Filter Change Time                  | Two technicians x 2hrs          |
| Pre-Cleaning of Air Prior to Hitting Filters | Yes - Via Patented Drop Out Box |

### Centrifugal Fan

|                                      |   |
|--------------------------------------|---|
| Maximum Pressure Drop Across Filters | -3kPa *   |
| Variable Air Flow Control            | Yes   |
| Fan Silencer                         | Yes<br>Option: to supply square to round attachment to allow vent bag to be attached to exhaust |

### Reverse Pulse Cleaning System

|                                      |                         |
|--------------------------------------|-------------------------|
| Reverse Pulse Cleaning Solenoids     | 16                      |
| On-board Compressor                  | Yes - 60 CFM Compressor |
| Plant Air Attachment                 | Optional Extra          |
| Adjustable Pressure & Frequency Rate | Yes                     |
| Auto Drains                          | Yes                     |



### Discharge System

|                               |  |
|-------------------------------|--|
| Hydraulic Reversible Auger    | 1  |
| Main Screw Conveyor Auger     | 1 - Front Discharge                        |
| Incline Screw Conveyor Auger  | Option:<br>Front or Side Incline Discharge |
| Stainless Steel Rotary Valves | 1  |

### Instrumentation

|                                       |  |
|---------------------------------------|--|
| PLC                                   | Yes  |
| HMI                                   | 7" Touch Button Display<br>Option: 12" Touchscreen Display |
| Control System                        | CANBus   |
| Static & Differential Pressure Gauges | Yes  |
| Emissions Monitoring Probe            | Yes - 24V  |
| Operational Lights & Alarms           | Yes  |
| Work Safety Lights                    | 12 x 24VDC Lights  |
| Fuel Level Indicator Lights           | Yes  |
| Amber Rotating Beacons                | 2  |
| Velocity Probe                        | No   |
| Proximity Sensors                     | Optional Upgrade   |
| Auto Greasing System                  | Optional Upgrade   |

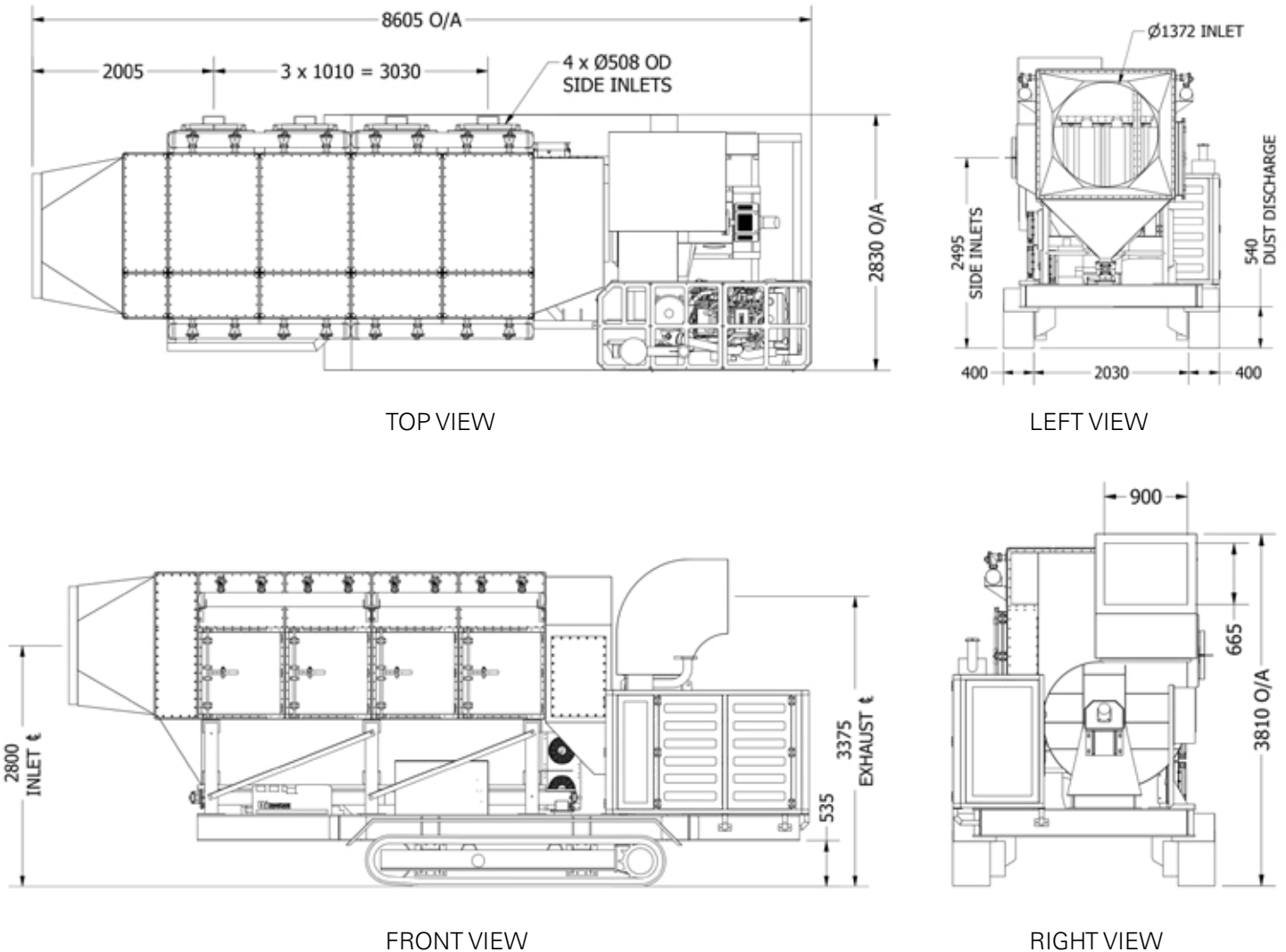
### Safety Features

|                         |   |
|-------------------------|---|
| Risk Assessment         | Available on Request  |
| Emergency Stops         | 2 x E-Stops plus Safety Lanyard System Around the Perimeter |
| Amber Rotating Beacons  | 2   |
| Split Isolators         | Split Starter and Battery Isolator                          |
| Fire Suppression System | Optional Upgrade  |

\* Alternative centrifugal fans can be utilised to optimise air volume and pressure to suit site conditions and specific applications.

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## JMS-30-MDT (Slimline)



### Key Dimensions

|                |        |
|----------------|--------|
| Maximum Height | 3810mm |
| Maximum Width  | 2830mm |
| Maximum Length | 8605mm |
| Mass           | 10T    |

### Other models in the JMS 30 M-Series

30m<sup>3</sup>/s air volume, available as:

- **JMS-30-MDT** (Slimline) - mobile, diesel, skid dust collector
- **JMS-30-MDS** - mobile, diesel, skid dust collector
- **JMS-30-MES** - mobile, electric, skid dust collector

### Grydale. Experts in Dust Control

Our team have over 15 years' experience designing and manufacturing industrial dust collection and extraction solutions. We focus on adding value through a total service offering, providing ventilation design, manufacture, implementation, ongoing project management and on-site maintenance and technical support. **Contact us** for more information.