

# Technical Specification

## JMS-30-MDT

### Overview

Air Volume	30m <sup>3</sup> /s
Power	Volvo Penta T4F/5 160kW Diesel
Fuel Tank	220L Diesel Fuel Tank 45L Adblue Fuel Tank
Mobility	Track Mounted with Remote Control Operation
Fabrication	3mm & 5mm Mild Steel 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 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 - 37 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: Front or Side Incline Discharge
Stainless Steel Rotary Valves	1

### Instrumentation

PLC	Yes
HMI	7" Touch Button Display 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

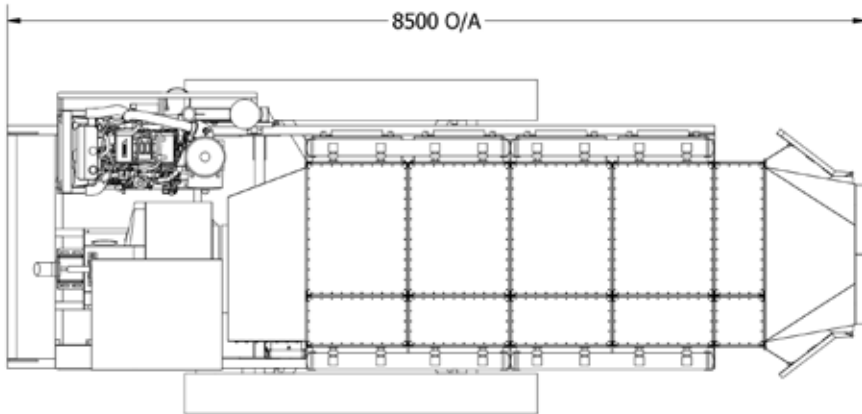
### Safety Features

Risk Assessment	Available on Request
Emergency Stops	1 E-Stop plus Safety Lanyard System Around the Perimeter
Amber Rotating Beacons	2
Split Isolators	Split Starter and Battery Isolator
Fire Suppression System	Optional Upgrade

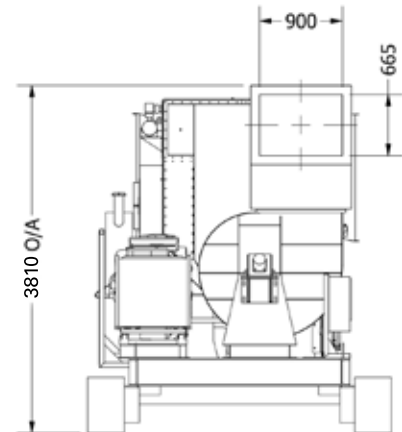
\* Alternative centrifugal fans can be utilised to optimise air volume and pressure to suit site conditions and specific applications.

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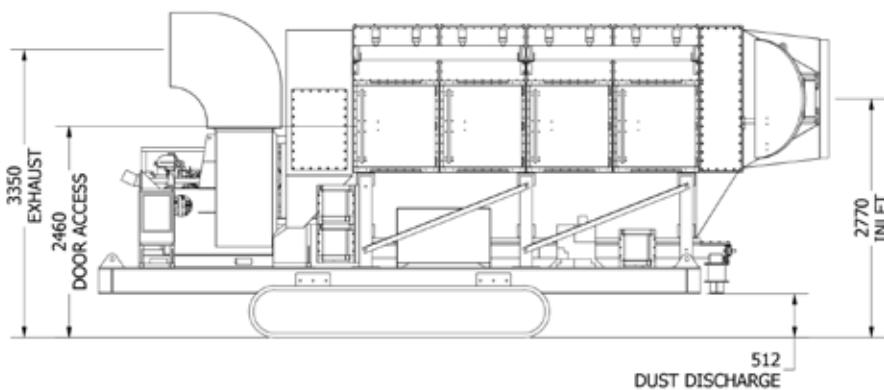
## JMS-30-MDT



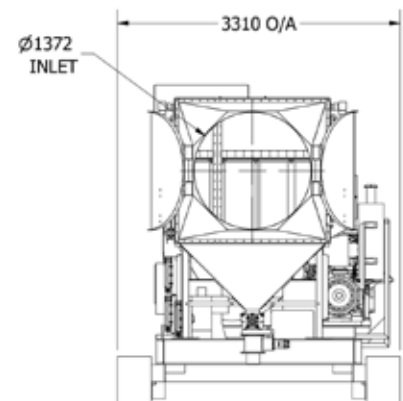
TOP VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

### Key Dimensions

Maximum Height	3810mm
Maximum Width	3310mm
Maximum Length	8500mm
Mass	12T

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

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

- **JMS-30-MDT** (Standard) - 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.