

Aliva®-252

Concrete Spraying Machine

Product Description

The Aliva®-252 is a sturdily constructed two-axle concrete spraying machine for the processing of dry mix.



Uses

The machine can be used thanks to its compact design and mobility where space is at a premium e.g. in mines and galleries. Other potential applications are slope and hillside protection, lining of water tanks and swimming pools, guniting for single and double shell tunnel construction, backfilling of tubings.

The Aliva®-252 is available in the following versions:

- **BASIC**
Electric drive, combined with BASIC-Dosing unit (not synchronized)
- **AIR**
With air drive, combined with BASIC-Dosing unit (not synchronized)

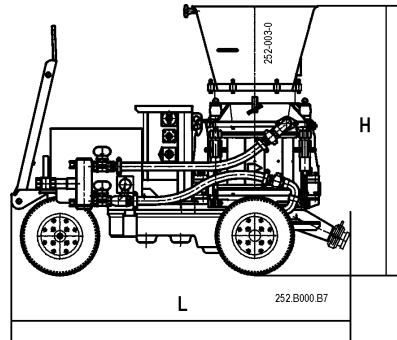


Product Data

Technical Data

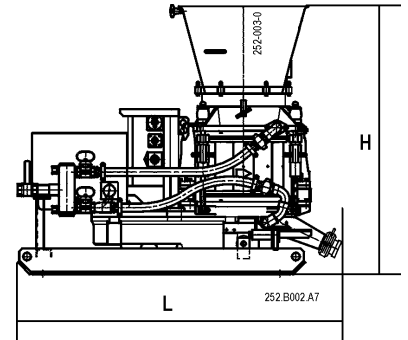
Dimensions

With chassis



Length L		
with rotor 10 L	1770 mm	
with rotor 16L	1720 mm	
Width	800 mm	
Height H		
with rotor 10 L	1310 mm	
with rotor 16 L	1410 mm	
Weight	approx. 760 kg	
Content of hopper	85 liters	

With skid



Length L		
with rotor 10 L	1640 mm	
with rotor 16 L	1590 mm	
Width	800 mm	
Height H		
with rotor 10 L	1260 mm	
with rotor 16 L	1360 mm	
Weight	approx. 800 kg	
Content of hopper	85 liters	

Drive

Electric (BASIC)

Motor output	4.4 kW
Speed range	1500 rpm
Voltages	400 V 50 Hz 400/440 V 60 Hz 220 V 50 Hz 220 V 60 Hz
Protection	IP 55

With air motor (AIR)

Motor output	7,5 kW
Speed range	900-2000 rpm
Pressure	4.5 bar
Air consumption	9 Nm ³ /min.

Theoretical Conveying Output

Conveying (only dry)

Rotor L	Hose Ø mm	Conveying output *m ³ /h		max. grain mm	max. conveying distance (m) horizontal / vertical
		BASIC	AIR		
10	50	5	3.5-7	16	300/100 m**
16	60	8	5.5-11	20	

* with theoretical filling degree of 100%, if motor with 60 Hz = 20% higher conveying capacity.

** more than 80 m conveying distance, use steel tubes.



Tunneling & Mining

Theoretical Air Consumption

Hose Ø mm	Air consumption Nm ³ /min. ***	
	Dry spraying	
	60 m	120 m
50	8	10
60	11	13.5

*** Air consumption data are approximate values and are depending on conveying output, conveying distance and hose diameter.

Caution:
For the configuration AIR (with air motor) it has to be considered:
Total air consumption =
Air consumption for conveying + Air consumption for air motor!
1 Nm³/min = 35 cfm

Health and Safety Information

Important Notes

For the safe, correct operation of the unit please consult the current machine operating manual . Sika Schweiz AG cannot accept any liability for injury or damages caused by improper use, incorrect or inadequate operation, maintenance or repairs.

Legal Disclaimer

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



Distributed By:



Multicrete Systems Inc.
360-555 Hervo Street • Winnipeg, Manitoba R3T 3L6 CANADA •
Phone: 204-262-5900 Fax: 204-262-5909 •
www.MULTICRETESYSTEMS.com