

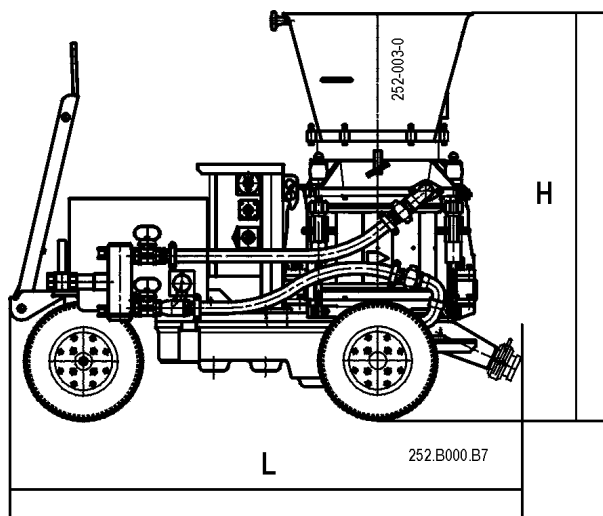
Description

The AL-252.1 is a sturdily constructed two-axle concrete spraying machine for the processing of dry mix. The machine can be used thanks to its compact design and mobility where space is at a premium e.g. in mines and galleries.

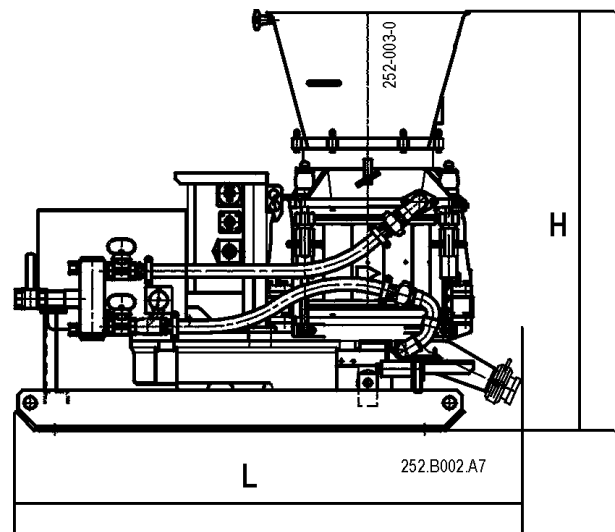
Other potential applications are slope and hillside protection, lining of water tanks and swimming pools, guniting for single and double shell tunnel construction, backfilling of tubbings.

The AL-252.1 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)

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

Dimensions 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 / 440V 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 data (only dry)

Rotor (Liter)	Hose Ø (mm)	Conveying output ¹⁾ (m ³ /h)		max. grain (mm)	max. conv. dist. (m) Horizontal / Vertical
		BASIC	AIR		
10	50	5	3,5 – 7	16	300 / 100
16	60	8	5,5 – 11	20	

1) With theoretical filling degree of 100%, if motor with 60 Hz = 20% higher conveying capacity

Theoretical datas for air consumption for conveying

Hose Ø (mm)	Air consumption (Nm ³ /min.) ²⁾	
	Dry spraying	
	60 m	120 m
50	8	10
60	11	13,5

²⁾ 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

AL-252.1- BASIC

