

Description

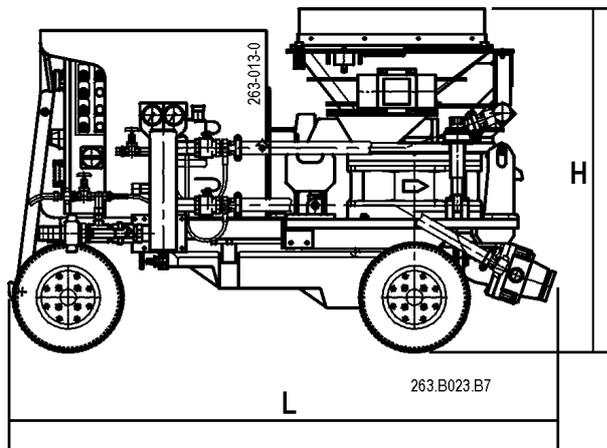
The AL-263 is a very sturdily constructed two-axle concrete spraying machine for the processing of wet or dry mix.

The machine is suitable either for manual spraying or by means of a robotic arm. The AL-263 is developed for the application of shotcrete in tunnels, mines and slopes.

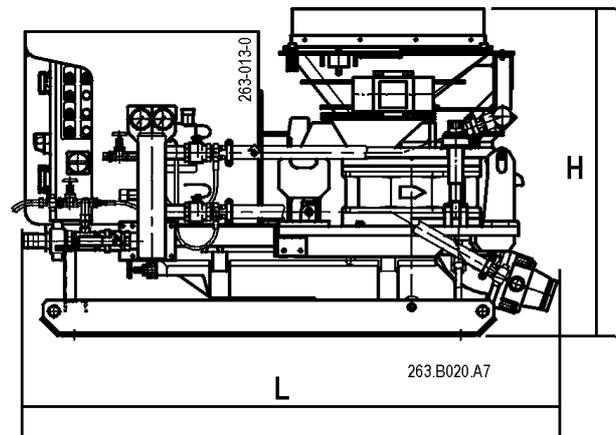
The machine has been designed especially for steel fibre spraying.

The AL-263 is available in the following versions:

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

Dimensions with chassis


Length L1	:	2035 mm
Width	:	1100 mm
Height H1		
With rotor 10 + 16 L	:	1290 mm
With rotor 25 L	:	1390 mm
With hose rotor 16 L	:	1390 mm
Weight		
BASIC / EXTENDED	:	approx. 1450 kg
AIR	:	approx. 1400 kg
Content of hopper	:	100 liters

Dimensions with skid


Length L2	:	2035 mm
Width	:	1100 mm
Height H2		
With rotor 10 + 16 L	:	1190 mm
With rotor 25 L	:	1290 mm
With hose rotor 16 L	:	1290 mm
Weight		
BASIC / EXTENDED	:	approx. 1500 kg
AIR	:	approx. 1450 kg
Content of hopper	:	100 liters

Drive
Electric (BASIC / EXTENDED)

Motor output	:	5 / 7,5 kW
Speed range	:	1000 / 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	:	8,5 kW
Speed range	:	800 - 1800 rpm
Pressure	:	5 bar
Air consumption	:	10 Nm ³ /min.

Theoretical conveying data (dry and wet)

Rotor (Liters)	Hose Ø (mm)	Conveying output ¹⁾ (m ³ /h)			max. grain (mm)	max. conv. dist. (m) Horizontal / Vertical
		BASIC + EXTENDED		AIR		
		Speed 1	Speed 2			
10	50 + 60	4	6	3,5 – 7,0	16 + 20	Dry: 300 / 100 Wet: 40 / 30
16	50 ²⁾ + 60	6	9,5	5 – 11,5	16 + 20	
25	60 ²⁾ + 65	10	15	8 - 18	20	
16 ³⁾	50 ²⁾ + 60	5,5	8,5	4,5 – 10,5	20	

- 1) With theoretical filling degree of 100%, if motor with 60 Hz = 20% higher conveying capacity
- 2) Only when dry spraying, with speed 1, for conveying distance of max. 60m
- 3) Hose rotor, specially suitable for dry spraying

Theoretical data for air consumption for conveying

Hose Ø (mm)	Air consumption (Nm ³ /min.) ⁴⁾			⁴⁾ 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 Nm ³ /min. = 35 cfm
	Dry spraying		Wet spraying	
	60 m	120 m	40 m	
50	8	10	11,5	
60	11	13,5	15	
65	13	15,5	18,5	

AL-263 - BASIC


Technical and design modifications remain reserved at all times. Technical properties have been achieved under theoretical and normal conditions. Please consult the respective machine manual for all matters related to operations and maintenance.