

Aliva®-263

Concrete Spraying Machine

Description

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

Uses

The machine is suitable either for manual spraying or by means of a robotic arm. The Aliva-263 is developed for the application of shotcrete in tunnels, mines and slopes. The machine has been designed especially for steel fibre spraying.

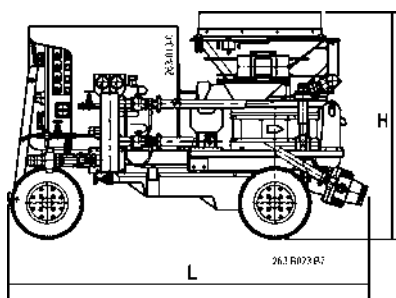
The Aliva-263 is available in the following versions:

- **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)

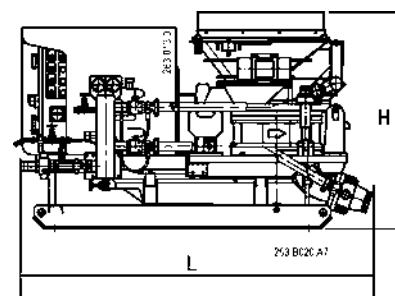
Technical data

Dimensions

With chassis



With skid



Length L1	2035 mm	Length L2	2035 mm
Width	1100 mm	Width	1100 mm
Height H1		Height H2	
with rotor 10 + 16 L	1290 mm	with rotor 10 + 16 L	1190 mm
with rotor 25 L	1390 mm	with rotor 25 L	1290 mm
with hose rotor 16 L	1390 mm	with hose rotor 16 L	1290 mm
Weight		Weight	
BASIC/EXTENDED	approx. 1450 kg	BASIC/EXTENDED	approx. 1500 kg
AIR	approx. 1400 kg	AIR	approx. 1450 kg
Content of hopper	100 liters	Content of hopper	100 liters



Authorized Distributor:

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Drive	Electric (BASIC/EXTENDED)	With air motor (AIR)
	Motor output 5/7,5 kW Speed range 1000/1500 rpm Voltages 400 V 50 Hz 220 V 50 Hz 220 V 60 Hz Protection IP 55	Motor output 8,5 kW Speed range 800-1800 rpm Pressure 5 bar Air consumption 10 Nm ³ /min.

Theoretical conveying

Conveying (dry and wet)

Rotor L	Hose Ø mm	Conveying output *m ³ /h			max. grain mm	max. conveying distance m horizontal/vertical
		BASIC+EXTENDED		AIR		
		Speed 1	Speed 2			
10	50 + 60	4	6	3,5-7	16 + 20	
16	50** + 60	6	9,5	5-11,5	16 + 20	
25	60** + 65	10	15	8-18	20	
16***	50** + 60	5,5	8,5	4,5-10,5	20	

- * With theoretical filling degree of 100%, if motor with 60 Hz = 20% higher conveying capacity
- ** Only when dry spraying, with speed 1, for conveying distance of max. 60m
- *** Hose rotor, specially suitable for dry spraying
- ****more than 80 m conveying distance, use steel tubes

Theoretical air consumption

Hose Ø mm	Air consumption Nm ³ /min. *****		
	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

***** 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

Safety instructions

Important safety regulations

For detailed informations please consult the latest edition of the machine operating manual.

Legal references

Information given, in particular suggestions made for use and application of our products are based on our current knowledge and experience in the normal case at the time of printing. In practice, the difference in materials, substrates and environmental conditions can cause deviation from this information. Sika guarantees for its products the compliance of technical characteristics according to the Technical Data Sheets up to expiry of shelf life. Users of the products must always consult the latest edition of Technical Data Sheet under «www.sika.ch/stm». Our current General Conditions are applicable.



Aliva-263 BASIC



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