

Concrete Spraying Machine

Concrete Spraying Machine Aliva[®]-285.1

Description

The Aliva-285 is a very sturdily constructed two-axle concrete spraying machine for the processing of wet or dry mix.

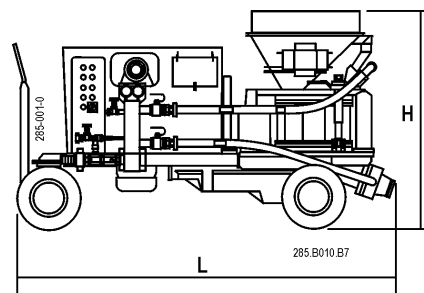
The machine is suitable either for manual spraying or by means of a robotic arm. The Aliva-285 is developed for the application of shotcrete in tunnels, mines and slopes.

The machine has been designed especially for steel fibre spraying.

The Aliva-285 is available as EXTENDED version with electric drive and synchronized to the EXTENDED Dosing unit.

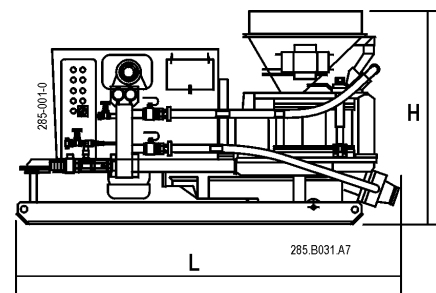
Dimensions

with chassis



Length L1	2460 mm
Width	1100 mm
Height H1	1410 mm
Weight	approx. 1550 kg
Content of hopper	100 liters

with skid



Length L2	2380 mm
Width	1100 mm
Height H2	1310 mm
Weight	approx. 1600 kg
Content of hopper	100 liters

Drive

Electric

Motor output	11 kW
Speed range	900 - 2100 rpm
Voltages	400 V 50 Hz 400/440V 60 Hz 220 V 50 Hz 220 V 60 Hz
Protection	IP 55



Caution

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.

Theoretical data**Conveying (dry and wet)**

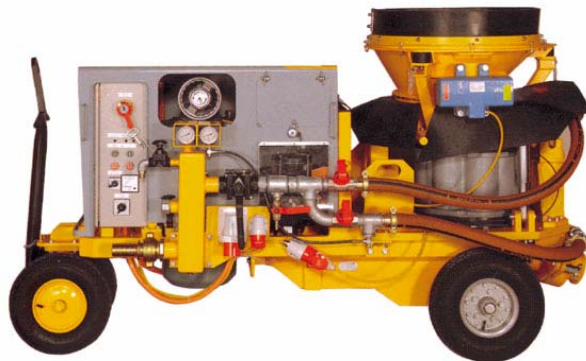
Rotor l	Hose-Ø mm	Conveying output * m ³ /h	max. Grain mm	max. conveying distance m horizontal/vertical
25	60	8.0 – 11.0	20	Dry: 300 / 100** Wet: 40 / 30
	65	12.0 – 15.0	20	
	80	16.0 – 19.0	25	
	>80	>19.0	30	

* With theoretical filling degree of 100%, if motor with 60 Hz = 20% higher conveying capacity
 ** more than 80 m conveying distance, use steel tubes

Air consumption

Hose-Ø mm	Air consumption Nm ³ /min. ***		
	Dry spraying		Wet spraying
	60 m	120 m	40 m
60	11	13,5	15
65	13	15,5	18,5
80	16	20	24
>80	>16	>20	>24

*** Air consumption data are approximate values and are depending on conveying output, conveying distance and hose diameter.
 1 Nm³/min. = 35 cfm

**Aliva-285.1 EXTENDED**