Construction

Aliva®-246

Concrete Spraying Machine

Description

The Aliva-246 is a sturdy concrete spraying machine for the dry spraying process.

Uses

Thanks to its variable output, the Aliva-246 can be used as well for small jobs, such as joint filling, as well for extensive slope consolidation work.

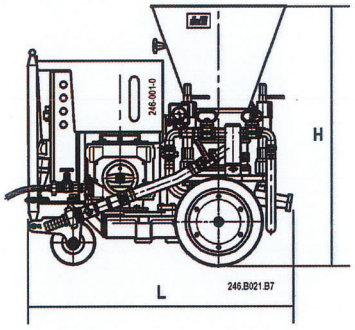
The Aliva-246.5 is available in the following versions:

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

Technical data

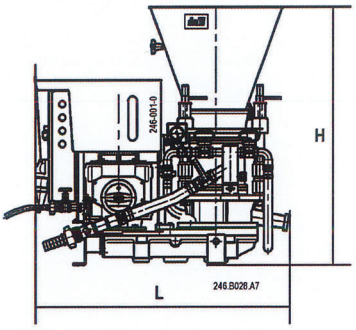
Dimensions

With chassis



Length L	
BASIC / AIR	1130 mm
EXTENDED	1200 mm
Width	700 mm
Height H	
with rotor 0,7 + 2,0 L	1110 mm
with rotor 3,6 L	1180 mm
with rotor 5,6 L	1260 mm
Weight	
BASIC / AIR	approx. 320 kg
EXTENDED	approx. 450 kg
Content of hopper	45 liters

With pedestal



Length L	
BASIC / AIR	1130 mm
EXTENDED	1170 mm
Width	700 mm
Height H	
with rotor 0,7 + 2,0 L	1020 mm
with rotor 3,6 L	1090 mm
with rotor 5,6 L	1170 mm
Weight	
BASIC / AIR	approx. 315 kg
EXTENDED	approx. 430 kg
Content of hopper	45 liters

Drive

Electric (BASIC / EXTENDED)

Motor output	2,2 kW
Speed range	
BASIC	1500 rpm
EXTENDED	700–1800 rpm
Voltages	400 V 50/60 Hz
	440 V 60 Hz
	220 V 50/60 Hz
Protection	IP 55

With air motor (AIR)

Motor output	3 kW
Speed range	700-1800 rpm
Pressure	3,5 bar
Air consumption	4 Nm³/min.

Theoretical conveying

Conveying (only dry)

Rotor L	Hose Ø mm	Conveying output *m³/h		max. grain mm	max. conveying distance (m) horizontal / vertical
		BASIC	EXTENDED+AIR		
0,7	32	0,4	0,2-0,5	6	150/60 m**
2,0	32 + 38	1,1	0,6-1,4	12	
3,6	32 + 38	2,0	1,1-2,5	12	
5,6	50	3,2	1,7-4,0	16	

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

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

Theoretical air consumption

Hose Ø mm	Air consumption Nm³/min. ***	
	Dry spraying	
	60 m	120 m
32	3	4
38	5	6
50	8	10

*** *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

Safety instructions

Important safety regulations

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