

TUNNELLING

Aliva's sprayed concrete machines are designed for the specific demands of tunneling work. In underground construction, where tunnel linings, junctions and enlargements are vital components, Aliva's sprayed concrete machines take center stage. The ease of application inherent in sprayed concrete technology allows materials to be efficiently applied in restricted and hard-to-reach areas, making it an ideal choice for the underground needs.

Developed with precision for the specific demands of tunnel and mine construction, our specialized tools are built to perform and last in this critical application. Aliva's commitment to reliability and quality resonates in every specialized tool we provide, addressing the diverse requirements of concrete work, slope stabilization, and, most notably, tunnelling and mining.



AL-257

ROTOR MACHINE - XL size



normet *alivam*

AL-257 ROTOR MACHINE – XL size

Tunnelling



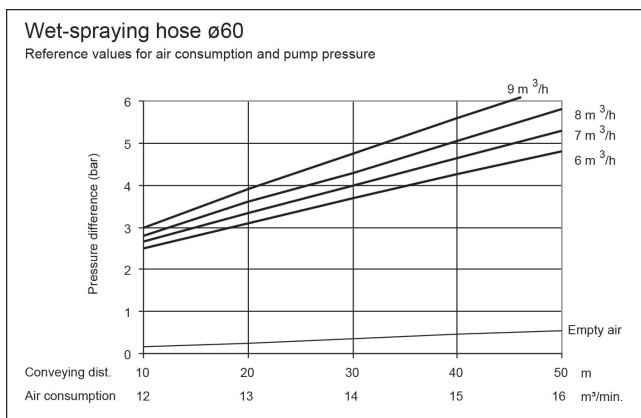
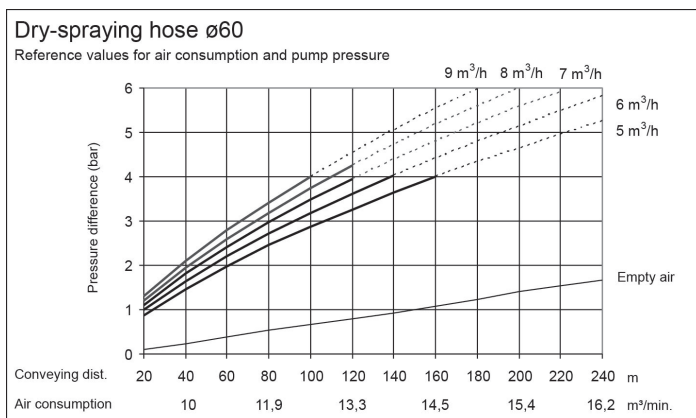
TECHNICAL DATA		
Rotor	XL size (12.0 l)	
Output range	3.6 - 9.6 m ³ /h	
Motor	3 x 380 - 480 V/ 50 - 60 Hz (air drive available on request)	
Speed adjustment	Stepless	
Outlet	Ø 60 mm	
Dimensions	Length	1580 mm
	Height	1391 mm
	Width	800 mm
	Weight	650 kg
Hopper volume	57 l	
Feeding height	1311 mm	
Conveying distance	40 m (possible to extend to 100 m with the help of steel pipes)	

ACCESSORIES		
Description	Quantity	Technical detail
Converto Repro spraying device with valve to adjust the water inflow	1	Ø 60 mm
Conveying hose	2	Ø 60 mm (inside) x 20 m 2" coupling
Water/Accelerator hose	2	Ø 19 mm x 20 m (inside) GK coupling

MATERIALS		
Mix type		Comments
Bagged repair concrete/mortar	Oven dry or dry	Up to 16 mm grain size. The material may contain a certain amount of fibers. If not specified by the producer please consult the Aliva support desk about conveyability and proper setup.
Job site mix	Dry or earth moist	If the material is mixed at the site it can be used with up to 16 mm max. grain size. It is recommended to involve concrete experts for a proper mix design.
Concrete plant	Wet mix	Up to 16 mm grain size. The material may contain a certain amount of fibres and the wet mix must have less fines than pumpable concrete. Please consult the Aliva support desk about conveyability and proper setup.

ADDITIONAL INFORMATION

We recommend to use for this set a compressor unit of 10 m³/min (350 cfm) for dry spraying and 15 m³/h (525 cfm) for wet spraying for longer distances see chart below



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