



TURBOSOL[®]

PUMPING TECHNOLOGY FOR THE BUILDING INDUSTRY

TURBOSOL
over 60 years
of experience
and reliability

MINI AVANT

PISTON PUMP



Mini Avant: solid and reliable as its mechanics and its tradition, modern and powerful as required by present-days jobsites.

www.turbosol.com

MINI AVANT VERSIONS

TECHNICAL DATA	SINGLE-PHASE	THREE-PHASE	VARIO	MINI AVANT G
Electric motor	2,2 kW - 230 V	2,2 kW - 400 V	2,2 kW - 230 V	---
Gasoline engine	---	---	---	Honda 3,3 kW - 4,0HP
Theoretical output *	24 ÷ 30 l/min	24 ÷ 30 l/min	2 ÷ 30 l/min	24 ÷ 30 l/min
Max. aggregate size	6 mm	6 mm	6 mm	6 mm
Max. working pressure	15 bar	15 bar	15 bar	15 bar
Compressor	220 l/m	220 l/m	220 l/m	220 l/m
Hopper capacity	140 l	140 l	140 l	140 l
Delivery distance*	40 ÷ 50 m	40 ÷ 50 m	40 ÷ 50 m	50 ÷ 60 m
Delivery height*	12 ÷ 15 m	12 ÷ 15 m	12 ÷ 15 m	15 ÷ 18 m
Filling height	64 cm	64 cm	58 ** cm	64 cm
Delivery manifold	Ø 35 mm	Ø 35 mm	Ø 35 mm	Ø 35 mm
Size (L x W x H)	159 x 86 x 75 cm	159 x 86 x 75 cm	159 x 86 x 75 cm	185 x 86 x 87 cm
Weight	240 kg	240 kg	240 kg	285 kg

* The data indicated are theoretical and depend on the quality and consistency of the materials to be used, wear and tear of the pump, diameter and length of the hoses. The performance in distance and height cannot be reached simultaneously. ** with ready-mixed mortars assembly (without vibrating sieve)

Characteristics

Mini Avant is a single piston pump ideal for pumping, transporting, injecting and spraying common, ready-mixed and special mortars. 4 different models of Mini Avant are available: Single-phase, Three-phase, Vario (with electronic device for variable output) and Mini Avant G (with Honda engine). Mini Avant is able to pump up to 30.000m² of plaster with just one piston. It can be equipped with up to 50 m rubber hoses.

Applications

With all models

- Spraying thick coat traditional mortar
- Pumping common and ready-mixed mortars
- Applying plaster and special mortar for concrete repair and renovation works
- Pumping self-levelling floor screeds

With all models + kit for ready-mixed plasters

- Spraying of thick coat ready-mixed plaster
- Applying lightweight insulating materials

With Mini Avant Vario

- Filling and pressure pointing of open brickwork
- Pressure pointing on prefabricated structures
- Application of thin layer finishing plaster
- Controlled pressure injection of cementitious slurries

Exclusive technology

Thanks to the exclusive pump assembly, Mini Avant provides a uniform and continuous spraying of the materials. The piston pump can pump aggregates with a particle size up to max 6 mm, guaranteeing high efficiency, low maintenance costs and low electrical energy consumption.

Scope of delivery

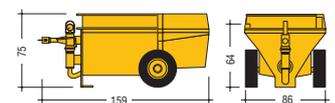
- Piston pump with gravity ball valves
- Sieve with 8 mm mesh
- Electric vibrator
- Hopper safety grill
- Double speed mechanical gearbox
- Built-in air compressor
- Pneumatic on/off remote control
- Delivery manifold with pressure gauge
- 30 m (20+10) mortar hose Ø 35 mm with cam-lock couplings
- 33 m air hose Ø 8 mm with quick couplings
- Manual grease pump
- Accessory box with spray gun and set of nozzles

Optionals

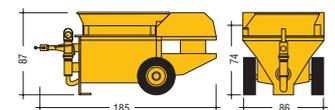
- Kit for ready-mixed plasters
- Kit for pumping light weight insulating plasters
- Cement slurry injection device at controlled pressure
- Spray guns for ready-mixed material Ø 25 or Ø 35
- Injection gun
- Shotcrete gun
- Pressure pointing gun
- Hose extension Ø 25 or Ø 35
- Spare parts kit



SIZE (cm)



MINI AVANT - MINI AVANT VARIO



MINI AVANT G

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Standard equipment and optionals could vary due to specific market and legal requirements. The data in this brochure are purely indicative. Turbosol Produzione S.r.l. could make alterations to the models described in this brochure at any time for technical and commercial reasons.

