

**TURBOSOL**  
over 60 years  
of experience  
and reliability

 **TURBOSOL**<sup>®</sup>  
PUMPING TECHNOLOGY FOR THE BUILDING INDUSTRY

| ALL THE VERSIONS MINI AVANT |                  |                  |                  |                       |
|-----------------------------|------------------|------------------|------------------|-----------------------|
| 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 - 4,0 HP |
| Output *2                   | 24 ÷ 30 l/min    | 24 ÷ 30 l/min    | 2 ÷ 30 l/min     | 24 ÷ 30 l/min         |
| Max. pressure               | 15 bar           | 15 bar           | 15 bar           | 15 bar                |
| Delivery height*2           | 12 ÷ 15 m        | 12 ÷ 15 m        | 12 ÷ 15 m        | 15 ÷ 18 m             |
| Delivery distance*2         | 40 ÷ 50 m        | 40 ÷ 50 m        | 40 ÷ 50 m        | 50 ÷ 60 m             |
| Granulometry                | 0 ÷ 6 mm         | 0 ÷ 6 mm         | 0 ÷ 6 mm         | 0 ÷ 6 mm              |
| Hopper capacity             | 140 l            | 140 l            | 140 l            | 140 l                 |
| Loading height              | 64 cm            | 64 cm            | 58*1 cm          | 64 cm                 |
| 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                |

\*1 Version without vibrating sieve for ready-mixed plasters.

\*2 These data are not absolute but depend on the quality of the materials to be pumped, their consistency, wear and tear of the pump and the diameter of the hoses being used. The performance in distance and height can not be reached simultaneously.

### MINI AVANT Applications



### MINI AVANT

#### STANDARD EQUIPMENT

- protective casing for mechanical parts
- vibrating sieve with 8 mm mesh
- piston pump with gravity valves
- revs gear reduction unit
- safety device against overpressure
- material recycle device
- integrated air compressor with output of 220 l/min
- remote pneumatic controls start/stop
- electric remote controls start/stop and output regulation with 30 m cable (VARIO version)
- 30 meters (20 + 10) mortar hose Ø 35 with cam-lock couplings
- 33 meters air hose Ø 8 with bayonet couplings
- electric control board to EC standards
- electric control board to EC standards mounted on a trestle, with electronic output variation device (VARIO version)
- accessory box with spray gun and set of nozzles
- technical literature

#### ACCESSORIES ON REQUEST

- kit for pumping ready-mixed and lightweight insulating plasters
- controlled pressure injection device

#### SAFETY DEVICES

- automatic shutdown of all moving parts when opening the vibrating sieve or the grill and when opening the canopy
- compulsory manual restart of the machine after every spontaneous stop or accidental power failure
- emergency push button on the external electric control board (VARIO version)

# MINI AVANT

## PUMP AND PLASTER SPRAYER FOR COMMON AND SPECIAL MORTARS



MINI AVANT IS THE IDEAL SOLUTION FOR PUMPING, CONVEYING AND APPLYING A WIDE RANGE OF COMMON MORTARS, LIME AND/OR CEMENT-BASED MORTARS AND CEMENT-BASED READY-MIXED PLASTERS.

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COMPANY WITH QUALITY MANAGEMENT  
SYSTEM CERTIFIED BY DNV  
= ISO 9001:2008 =

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

# MINI AVANT

## PUMP AND PLASTER SPRAYER FOR COMMON AND SPECIAL MORTARS

**TURBOSOL**  
PUMPING TECHNOLOGY FOR THE BUILDING INDUSTRY



### New agility on the site

New design, lower loading height, new safety systems, new accessories, better performance. This is the MINI AVANT, the famous single-cylinder TURBOSOL pump, ideal for pumping, transporting and spraying common, ready-mixed and special mortars. It is driven by a single or three-phase electric motor or gasoline engine, with a piston pump with an output of 1.800 l/h of mortar and more than 30.000 m<sup>2</sup> of plaster with one piston.



### Four versions

MINI AVANT is available with a single or three-phase electric motor or gasoline engine. MINI AVANT VARIO has an electronic device to change the output, with regulation between 2 and 30 litres per minute, depending on the type of material being pumped, for an even wider field of applications. The MINI AVANT G version is equipped with a 3.3 HP Honda gasoline engine, with jerk ignition.



### Easy to use, safer to handle

Remote pneumatic control start/stop for the machine directly from the gun. Simple user-friendly controls. Electronic delivery variation device (VARIO version). Automatic shutdown of all the moving parts when opening the vibrating sieve or grill and when opening the canopy. Safety protection sensors for the motor and the compressor.



### Faster to maintain, easier to clean

Simple maintenance thanks to the patented pumping system. Just two grease points, to ensure the machine is always in perfect working order. Simple cleaning procedures for the hopper and pump. Smooth and linear surfaces.



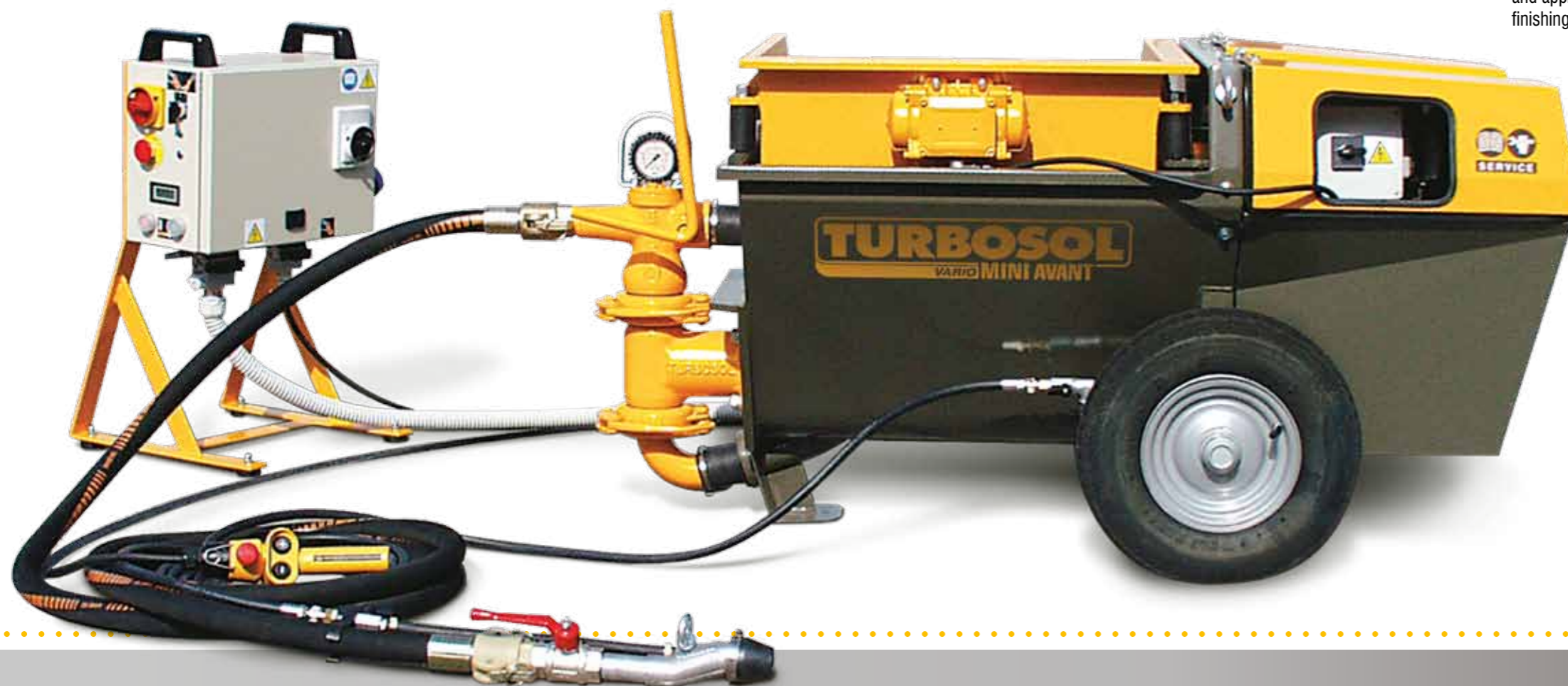
### Applications

Thick coat application of traditional plaster, pumping common and ready-mixed mortars for brickwork and controlled pressure consolidation injections. Thick coat application of ready-mixed plaster, plaster and special mortar applications for concrete repair and renovation work. Application of lightweight insulating materials, filling and pressure pointing of open brickwork, pressure pointing of joints on prefabricated structures and application of thin layer finishing plaster.

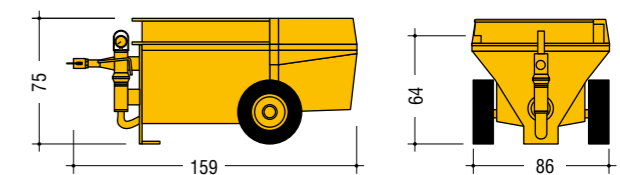


### Why should I buy it

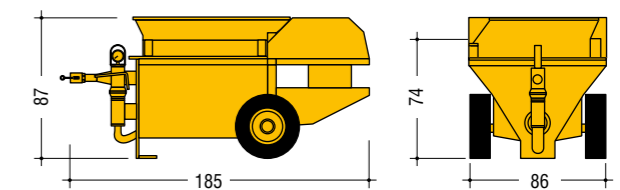
Thanks to an exclusive patented technique, it guarantees uniform and continuous spraying of the material. The innovative piston pump can pump aggregates with a particle size up to a maximum of 6 mm, ensuring high efficiency, very low working and maintenance costs and low electrical energy absorption.



SIZE (cm)



MINI AVANT - MINI AVANT VARIO



MINI AVANT G