

TURBOSOL
over 60 years
of experience
and reliability

 **TURBOSOL**[®]
PUMPING TECHNOLOGY FOR THE BUILDING INDUSTRY

ALL THE VERSIONS OF UNI 30				
TECHNICAL DATA	ES	EMF	DS	DMF
Motor / Engine	5,5 kW	5,5 kW + 1,5 kW	10,5 kW - 14,3 HP	10,5 kW - 14,3 HP
Output*2	30 ÷ 50 l/min			
Max. pressure	45 ÷ 50 bar			
Delivery height*2	40 ÷ 60 m			
Delivery distance*2	150 ÷ 200 m			
Pumpable granulometry	0 ÷ 8/10 mm			
Sprayable granulometry	0 ÷ 6/7 mm			
Hopper capacity	190 l	190 l	190 l	190 l
Mixer capacity	---	180 l	---	180 l
Size (L x W x H)	200 x 148 x 120 cm	200 x 148 x 150 cm	215 x 148 x 120 cm	215 x 148 x 158 cm
Weight	660 kg	830 kg	790 kg	1.020 kg

*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.

UNI 30 applications



UNI 30

STANDARD EQUIPMENT

- protection canopy for mechanical parts
- electric motor (E version)
- 2-cylinder diesel engine (D versions)
- supporting casing with pneumatic tyres and jointed steering shaft
- vibrating sieve with 8 mm mesh
- EC standard electric control board
- piston pump with gravity ball valves
- two speed gear reduction unit
- automatic mechanical safety device against overpressure
- material recycling device
- 270 l/m air compressor
- remote pneumatic controls for start / stop
- 180-litre positive action mixer (MF version)
- 40 meters (20 + 10 Ø 50 + 10 Ø 40) mortar hose with cam lock couplings
- 41 meters (31 + 10) air hose Ø 13 quick couplings
- accessory box with spray gun and series of nozzles
- technical literature

ACCESSORIES UPON REQUEST

- pressure gauge for Ø 50 hose
- water gauge
- pumping nozzle for Ø 40 hose
- pumping nozzle for Ø 50 hose
- device for injecting cementitious slurries
- shotcrete gun for Ø 50 or Ø 40 hoses
- steel ball valve
- 10 mm mesh for sieve
- hose extensions:
 - 10 m mortar/air hose (Ø 50 x 66 e Ø 13 x 19)
 - 20 m mortar/air hose (Ø 50 x 66 e Ø 13 x 19)

SAFETY DEVICES

- automatic shutdown of the mixer when the grill is opened;
- diesel engine with low sound and gas emissions, in conformity with current standards;
- automatic-mechanical safety device against overpressures.

UNI 30

SINGLE PISTON PUMP FOR SPRAYING MORTARS AND PUMPING GROUTS



MACHINE WITH GREAT PERFORMANCE FOR PUMPING AND APPLYING COMMON, STRUCTURAL AND SPECIAL MORTARS

 **TURBOSOL**[®]
PUMPING TECHNOLOGY FOR THE BUILDING INDUSTRY

TURBOSOL PRODUZIONE SPA
Sede e Stabilimento: Via Alessandro Volta, 1
31030 Pero di Breda di Piave (Treviso) - Italia
Tel. +39 0422 90251 - Fax +39 0422 904408
E-mail: info@turbosol.it - www.turbosol.it



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.

UNI 30

SINGLE PISTON PUMP FOR SPRAYING MORTARS AND PUMPING GROUTS



Universal

UNI 30 is the most powerful piston pump with ball valves available on the market today. Widely tested in all working conditions, it is extremely strong and reliable and is ideal for any sort of civil and industrial building work. It can be powered by an electric motor (E version) or a diesel engine (D version).



Top performance

No matter which motor is chosen, UNI 30 guarantees delivery of up to 50 litres per minute with up to 7 mm granulometry for spraying and up to 10 mm granulometry for pumping. The maximum working pressure of 45 ÷ 50 bar means the material can be delivered up to 150 ÷ 200 meters in distance or 40 ÷ 60 in height.



Totally independent

The version with positive action mixer makes the machine totally independent: in fact the mixture is prepared autonomously in a sufficient amount to give a constant supply to the pumping or spraying outlets. The basic version (S) of UNI 30 is fed with the mixture prepared in a cement mixer or directly by a silo.



Safe to use

UNI 30 has a series of devices to guarantee simple and safe use: automatic shutdown of the mixer when the grill is opened, safety sensor to protect the engine, diesel engine with low sound and gas emissions, in conformity with current standards and automatic-mechanical safety device against overpressures.



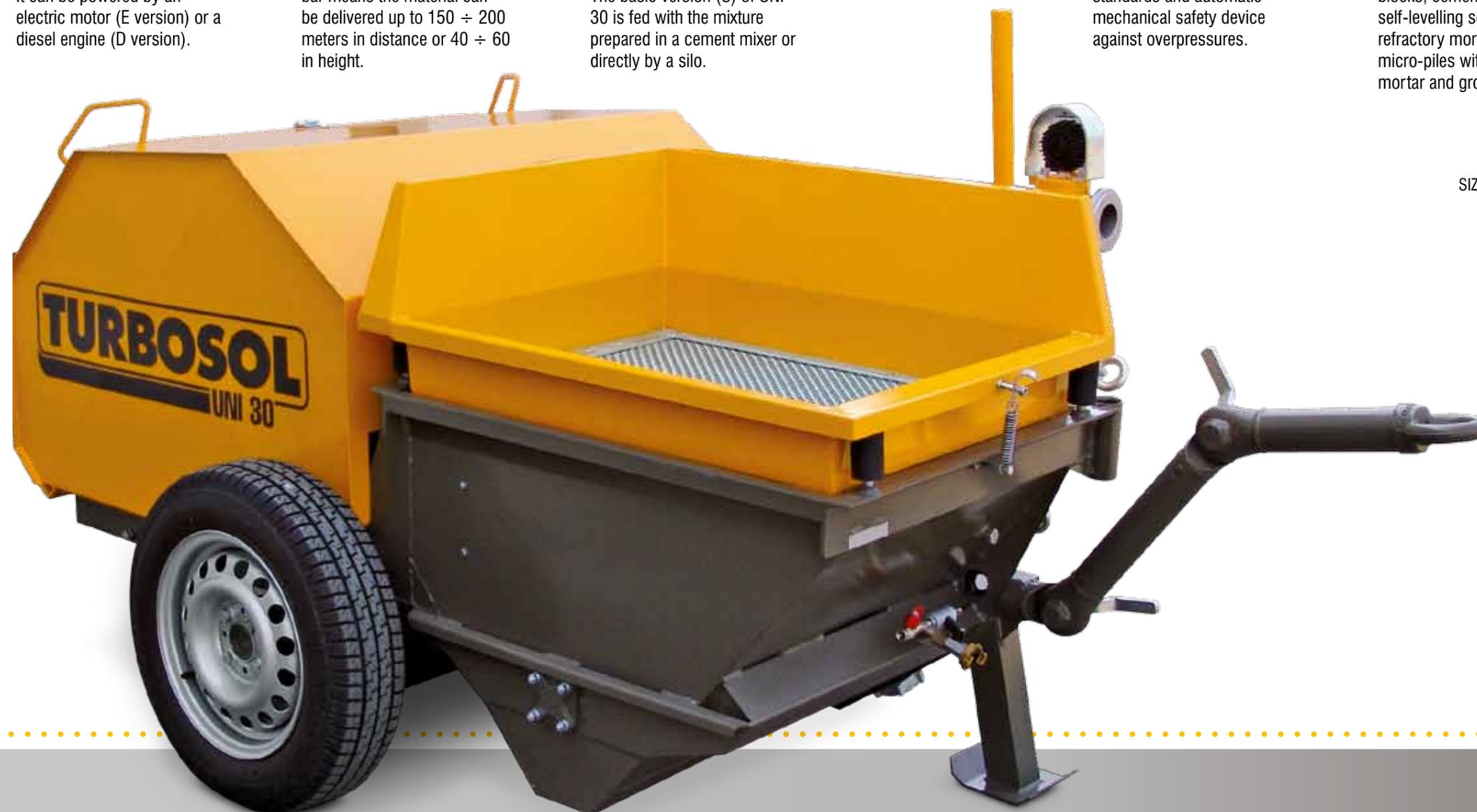
Applications

Spraying concrete or grout, concrete mixtures with admixture, traditional plasters, refractory mortars and fibre-reinforced mortars. Pumping common or ready-mixed mortars for brick walls, cellular and lightweight concrete blocks, cement or anhydride self-levelling screeds, refractory mortar, concrete and micro-piles with cast or injected mortar and grouts.



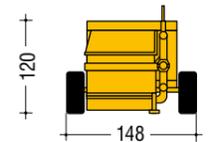
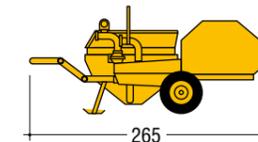
Why should I buy it

Essential and easy to use. Washing and routine maintenance operations are extremely easy and quick. It allows the operator to work easily and in safety. Competitive price and a machine commercial value that adapts through time. It respects national and international safety standards.

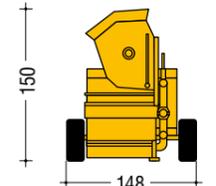
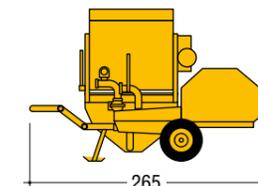


SIZE (cm)

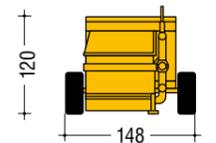
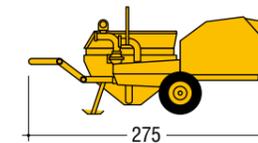
ES



EMF



DS



DMF

