

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

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

BETON MASTER	
TECHNICAL DATA	BETON MASTER
Perkins diesel engine	404D22 - 4 cil. - 37,3 kW - 51 HP - liquid cooled
Electric motor	22 kW - 400 V - 50 Hz
Progressive variable output pump*2	from 2 to 15 m <sup>3</sup> /h
Pumping cylinders	Ø 120 mm stroke of 700 mm
Delivery collector	Ø 100
Max. pressure on the material	up to 80 bar
Max pumpable granulometry	20 ÷ 25 mm
Hopper capacity	200 l
Size (L x W x H)	336 (455 <sup>^1</sup> ) x 150 (142 <sup>^1</sup> ) x 160 cm
Weight (with draw-bar)	1.550 kg - 1.600 <sup>^2</sup> kg
Weight (with on road towing set-up)	1.700 kg - 1.750 <sup>^2</sup> kg

<sup>^1</sup> With on road towing set-up. <sup>^2</sup> With admixture dosing pump

\*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.

## BETON MASTER

### STANDARD EQUIPMENT

- protection canopy for mechanical parts
- elastic axle for road towing with brakes and tow-lights (version /T)
- 4-cylinder liquid cooled diesel engine or three-phase electric motor
- hopper assembly with "S" valve and mixer
- reverse gear
- delivery manifold 4" (100 mm) Victaulic couplings
- electronic control panel
- hydraulic circuit with exchange sequence
- variable output pump
- anti-theft TATS (Turbosol Anti Theft System)
- double pumping pressure level and "S" valve exchange
- hose cleaning glass
- remote control box with 30 m cable
- toolbox
- technical and approval literature

### PUMPING VERSION:

- concrete grill with electric vibrator
- 7 pieces of steel pipe Ø 100 mm - 3 meters
- 1 piece of rubber hose Ø 100 mm - 3 meters
- 2 pieces of steel bend Ø 100 mm at 90°
- 2 pieces of steel bend Ø 100 mm at 135°
- 12 pieces of Victaulic couplings Ø 100
- 13 pieces of gasket for coupling Ø 100

### SHOTCRETE VERSION:

- grill with 15 mm mesh with electric vibrator
- shotcrete gun for hose Ø 50
- 30 meters (10+10+10) of high pressure rubber hose Ø 50
- hose accessory kit Ø 50
- reduction cone from Ø 100 to Ø 50

### ACCESSORIES UPON REQUEST

- admixture dosing pump and relative delivery hose
- high pressure cleaner with hose, gun and nozzles
- 3-function radio remote control
- accessories and hoses Ø 100 - 4"
- accessories and hoses Ø 75 - 3"
- accessories and hoses Ø 50 - 2"

## Applications BETON MASTER



**BETON MASTER IS THE IDEAL SOLUTION FOR PUMPING CONCRETE, MICRO-CONCRETE, MORTAR AND SHOTCRETE**

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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.

# BETON MASTER

## PUMP FOR CONCRETE AND SHOTCRETE



### Maximum power

BETON MASTER can be used for transporting and casting concrete and for spraying mortars and shotcrete. This is given by the special construction and dimensions of the pump-valve assembly and the configuration of the hydraulic system. The pressure exercised by the pump can be elevated up to a peak of 80 bars, by progressively reducing the output, thus being able to pump at great heights and distances.



### High productivity levels

With 80 bar maximum pressure BETON MASTER can pump between 2 and 15 cubic meters per hour of concrete. It is equipped with a vibrating system to rapidly convey the inerts. All the pumpable aggregates can be reinforced with flexible or rigid fibres and sprayed with admixture.



### Safe to use

BETON MASTER is equipped with a series of devices for easy and fast use: automatic shutdown of the mixer and pump when the grill is opened, safety sensors to protect the engine and hydraulic circuit, diesel engine with reduced sound and gas emissions, in conformity with current legislation and emergency push button.



### Easy to maintain

Easy access for maintenance through the side doors. Easy daily lubrication through the grease points. Easy to wash the hopper and "S" valve. Easy to clean the pipes by sucking out the material, washing with water or cleaning using compressed air. High-pressure water cleaner (optional).



### Applications

Pumping concrete, grouts, structural mortars, refractory mortars, mixtures containing heavy metal particles, land reinforcement, micro-piles by casting or pressurized injection of mortars and cementitious slurries and shotcrete. BETON MASTER, as an alternative to common concrete mixers, especially in difficult working conditions.



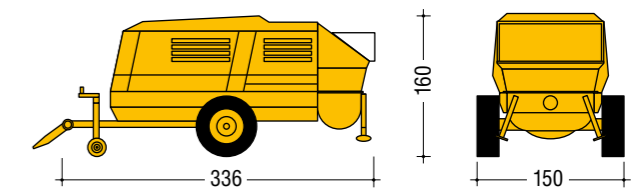
### Why should I buy it

Different diameter steel pipes or rubber hoses can be used, depending on the particle size of the aggregates. Designed for heavy working conditions, highly resistant to operating stress. Easy to wash and to service. Built to comply with all national and international safety standards.



SIZE (cm)

Manual draw bar



On-road towing

