



TURBOSOL[®]

PUMPING SYSTEMS

TURBOSOL

Over 70 years
of experience
and reliability

BETON MASTER

S-VALVE PUMP



BETON MASTER (Stage V): wear-resistant machine designed for heavy working conditions.

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BETON MASTER

TECHNICAL DATA

Liquid cooled diesel engine	Yanmar 4TNV88C - DYI2D - 4 cylinder - 35,5 kW - 48,3 HP (EU Stage V)
Electric motor (upon request)	22 kW - 400 V 50 Hz
Infinitely adjustable output*	from 2 to 15 m ³ /h
Max. aggregate size	25 mm
Max. working pressure	80 bar
Pumping cylinders	Ø 120 mm stroke of 700 mm
Max. strokes	30
Drive cylinder diameter	80/50 mm
Delivery manifold	Ø 100 mm
Hopper capacity	250 l
Delivery distance*	200 m
Delivery height*	100 m
Filling height	135 cm
Chassis	Manual drawbar - fixed axle and pneumatic wheels
	On-road towing - with brakes and suspension approved for road use
Size (L x W x H)	336 x 150 x165 cm / 450 x 142 x170 cm [#1]
Weight (draw-bar)	1.575 kg - 1.620 kg #2
Weight (on road towing set up)	1.720 kg - 1.770 kg #2

*The data indicated are theoretical and depend on the quality and consistency of the materials to be used, wear and tear of the pump and the diameter of the hoses. The performance in distance and height can not be reached simultaneously. #1 with on road towing (/T) set up. #2 with admixture dosing pump.

Characteristics

Beton Master stage V is a 2-cylinder hydraulic piston pump with S-valve and variable output for pumping concrete, micro-concrete and for shotcrete. Beton Master is a reliable alternative to the common concrete mixers/pumps, particularly in areas where access is difficult.

Applications

- Concrete, grouts, structural mortars, refractory mortars
- Self-levelling floor screeds
- Land reinforcement
- Micro-piles
- Compaction grouting
- Shotcrete works

Technical advantages

- Beton Master can be used for casting concrete and for shotcrete.
- With 80 bar of maximum pressure on the material, the machine can pump between 2 and 15 cubic meters per hour to considerable heights and distances.
- Single lifting eye.
- Improved fuel economy thanks to the new Yanmar engine that meets Stage V requirements.
- Intuitive controll board with multicolored LED display which allows you to monitor machine consumption, engine speed, operating temperature, oil pressure, operating hours and many other data.

Scope of delivery

- 4-cylinder liquid cooled diesel engine
- Hopper assembly with S-valve and agitator
- Centralized lubrication system
- Delivery manifold Ø 100 mm Victaulic couplings
- Hydraulic circuit with optimized exchange sequence
- Controll board with digital LED display
- Bosch Rexroth variable displacement pump
- Lifting kit
- Accessory box

Pumping model

- Concrete grill with electric vibrator
- 21 m steel pipe Ø 100, 3 m rubber hose Ø 100 and Victaulic coupling and gasket Ø 100, 4 steel bends Ø 100

Shotcrete model

- Grill with 15 mm mesh with electric vibrator
- Reduction cone (Ø 100 - Ø 50), steel bend Ø100 at 90°, 30 m rubber hose Ø 50 and related accessory kit Ø 50
- Shotcrete gun for hose Ø 50

Optionals

- Elastic axle for road towing with brakes and towlights (version /T)
- Admixture dosing pump
- Cable remote control
- High pressure cleaner
- 3-function radio remote control
- Various dimensions hoses Ø 100, Ø 75, Ø 65, Ø 50 and related accessories

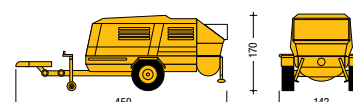


SIZE cm

Manual draw bar



On-road towing



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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

