



BOOSTER 15/45/50

STATIONARY CONCRETE PUMPS



MAXIMUM RELIABILITY
MAXIMUM EFFICIENCY
LOW MANAGEMENT COSTS



BOOSTER15/45/50

- Extremely low operating costs thanks to simple and moderate maintenance, both financially and in terms of time.
- Costs reduced to a minimum by using a single operator to manage casting, allowing for greater profit margins and versatility of use
- Excellent efficiency thanks to the high reliability of the pumping unit, the result of proven experience in the specific sector
- Extreme versatility. The booster can be used in many different situations, ensuring a high return on investment



Unloading door for optimal cleaning of the hopper.

EASY TO TRANSPORT



The machine may be transported by means of a normal lorry without requiring particular precautions, or in multiple quantities in a container .



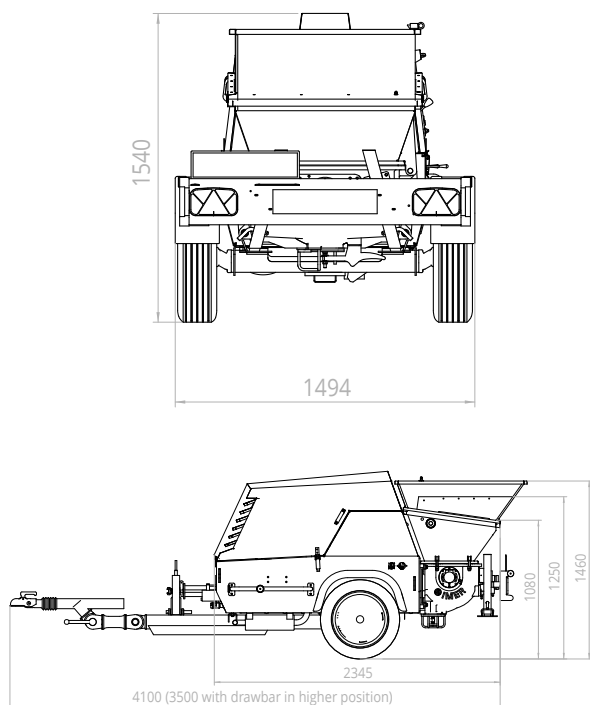
The machine is equipped with special lifting hooks for loading

TECHNICAL DATA

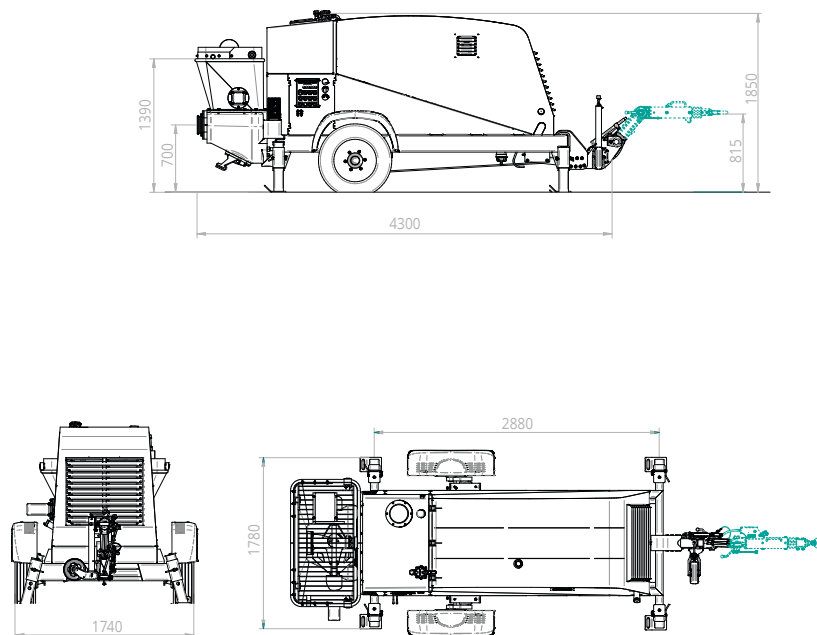
		BOOSTER 15	BOOSTER 45	BOOSTER 50
Maximum theoretical production	m³/h	15	45	50
Maximum pumping pressure	bar	70	60	80
Maximum number of cycles per minute	min	30	30	33
Motorization		YANMAR / KUBOTA diesel water cooling		
Installed power	kW	22.3	63 (stage II/tier II) - 53 (stage V/final tier IV)	
Pumping system		Twin cylinder with hydraulic control		
Maximum aggregates size	mm	25	35	
Rods	mm	120x700	180x1000	
Pumping cylinder	mm	120	180	
Piping outlet diameter	mm	100	150	
Maximum pumping distance	m	200		
Maximum pumping height	m	100		
Hopper capacity	l	240	350	
Weight	kg	1550	3100	

BOOSTER15/45/50

BOOSTER15



BOOSTER45/50



TWIN-CYLINDER PISTON PUMPS BOOSTER 15/45/50

The new concrete pumps BOOSTER allows the pumping of concrete with a maximum grain size of 35mm BOOSTER 45-50 and 25mm for BOOSTER 15. The BOOSTER 15 can also projecting micro concrete with a grain size of up to 12 mm. The machines are equipped with a variable displacement hydraulic pump that allows to vary the number of S-valve switches per minute, increasing or reducing the useful flow rate of the material according to the application. Ideal for small and medium sized construction sites, especially if located in places where the operating spaces are small and / or difficult to reach with other pumping systems.

BOOSTERS ARE SUITABLE TO PUMPING:

- Concrete (max 25mm o 35mm)
- Fiber-reinforced concrete
- Self-compacting concrete
- Refractory concrete (only for wet application)
- Filling grouts with metal fibers / polypropylene / carbon / glass
- Substrates with expanded clay / sand / cement
- Cement / anhydride-based self-leveling substrates
- Injections on micropiles by gravity or low pressure

BOOSTER 15 IT IS SUITABLE FOR SPRAYING:

- Shotcrete
- Shotcrete with setting accelerating additives
- Structural mortar, also fiber-reinforced

OPERATION:

The BOOSTER range are a two-cylinder piston pumps with exchange S- valve. The pumping cylinders have a diameter and stroke suitable for the nominal capacities of the machine and vary from model to model. The S-valve has an elongated conical shape (DN 120 to 100 for BOOSTER 15 and DN 180 to 150 for BOOSTER 45 e 50) and is equipped with a special self-compensation system for the wear of the sealing plates.

Our BOOSTERS are based on a fully hydraulic open circuit operation, capable of developing all the pressure necessary to guarantee the best performance of all models. The particular and exclusive cooling system "Cool Fast" of the hydraulic oil provides the use of a special auxiliary hydraulic pump and a generously sized air / oil radiator. The

"Cool Fast" system is able to guarantee continuous operation even with high ambient temperatures.

ENABLING SENSOR WITH CLOSED SAFETY GRID:

The protection grid and filter is equipped with a sensor for enabling operation. When the grate is not completely closed the machine cannot work

"SWEET" CONTROL OF THE EXCHANGE CYLINDER

Our pumping units adopt an electronic module for the management of the oil flow for a soft and uniform exchange, to ensure constant speed and continuous flow of the concrete to minimize vibrations.

WEAR PLATE

The wear plate on which the "S" valve slides is made of highly wear-resistant chromium alloy steel, characterized by high hardness and abrasion resistance.

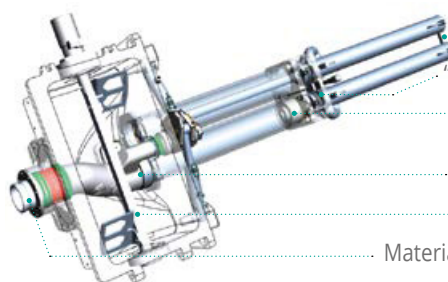
Booster 15 can be optimized to meet specific pumping or spraying needs,, thanks to the availability of a wide range of optional accessories.

BOOSTER15/45/50



Compact and reliable, it is equipped with:

- Yanmar / Kubota engine
- Hydraulic pump with variable flow
- IMER electronic control board
- "Cool-Fast" cooling system
- Soundproofed engine compartment

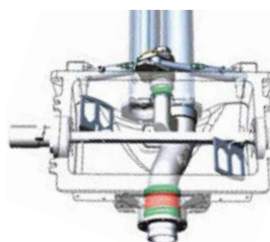


- Hydraulic cylinders
- "S" valve exchange sensors
- Dispensing cylinders
- S-valve tube
- Agitator shaft
- Material outlet manifold



ANTI-SHOCK control panel

- Material flow regulation
- Hydraulic pressure control gauges
- Emergency operating system in case of failure of the exchange sensors
- Hour counter



Maximum performance thanks to:

- Hardox® steel wear plates
- Self-compensation system of wear
- Agitator shaft to avoid segregation of the material during work

EU road-towable approved

With braking system, wheels, wheel lock wedges, mudguards, light bar and anti-cyclist bars.

Standard on all Booster R version.



Adjustable handling bar
Standard on Booster



5-function cable remote control (standard):

- March
- Stop
- Inversion
- Flow rate increase
- Flow rate decrease

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