

TRAILER CONCRETE PUMPS

- TRAILER CONCRETE PUMPS
- PUMPING GROUPS
- MAIN TECHNICAL CHARACTERISTICS



TRAILER CONCRETE PUMPS THE PERFORMANCE

The trailer pumps **STAR Series 8"** and **Series 6"** are the result of over 30 years of experience to the continuous improvement of: reliability, high efficiency, low operating costs and low noise in all operating conditions. The trailer **STAR** allows high flow of concrete both in vertical and in horizontal plan; results obtained from research and testing in the yards, in severe working conditions for any type of use.

- **Series 8"** : engine power reaches **175 kW** (diesel motor), with **max theoretical concrete output till 120 m³/h** (rod side) and **pressure on concrete till 172 bar** (piston side).
- **Series 6" ST**: engine power reaches **54 kW** (diesel motor), with **max theoretical concrete output till 70 m³/h** (rod side) and **pressure on concrete till 88 bar** (piston side).

PUMPING GROUPS

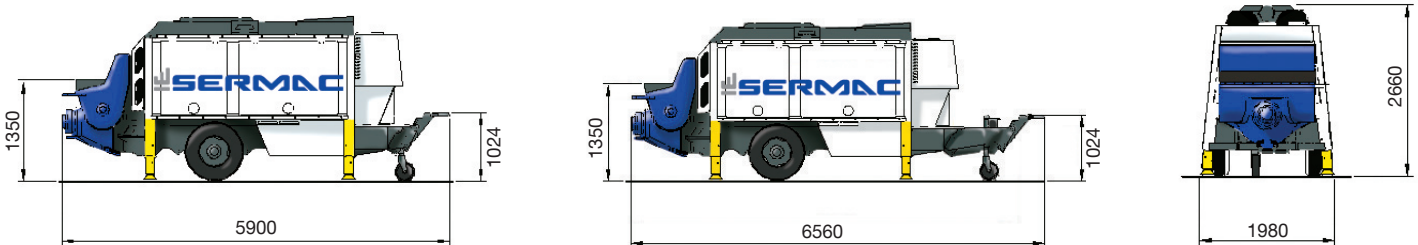
RELIABILITY AND HIGH PERFORMANCE

The concrete S-valve of the pumping unit has an excellent geometry which facilitates consistent concrete charges pumping both at height and at distance with minimal load leaks; these results have been gained through continuous research, testing the machines on site in extremely difficult working conditions.

- THE HOPPER: excellent geometry for concrete pumping

- Large capacity concrete hopper made of wear-resistant steel equipped with electric vibrator. The **excellent combination** between the agitator and the mixer shaft avoids any stagnation of concrete ensuring maximum efficiency during the pumping and making it easier to clean.
- Mixer shaft with screwed blades, made of wear-resistant steel.

Star Series 8"



SERIE 8" PUMPING UNIT - specifications

	SR 80	SR 80 HP	SR 100	SR 100 HP	SR 120
TH. CONCRETE OUTPUT (MAX)* ROD SIDE	80 m³/h (104 yd³/h)	80 m³/h (104 yd³/h)	100 m³/h (131 yd³/h)	100 m³/h (131 yd³/h)	120 m³/h (157 yd³/h)
TH. CONCRETE OUTPUT (MAX)* PISTON SIDE	53 m³/h (69 yd³/h)	52 m³/h (68 yd³/h)	66 m³/h (86 yd³/h)	65 m³/h (85 yd³/h)	79 m³/h (103 yd³/h)
CONCRETE PRESSURE (MAX)* ROD SIDE	81 bar 1174 psi	101 bar 1450 psi	81 bar 1174 psi	101 bar 1450 psi	81 bar 1174 psi
CONCRETE PRESSURE (MAX)* PISTON SIDE	137 bar 1986 psi	172 bar 2479 psi	137 bar 1986 psi	172 bar 2479 psi	137 bar 1986 psi
NO. OF STROKES (MAX)* ROD SIDE	27	21	27	27	32
NO. OF STROKES (MAX)* PISTON SIDE	18	14	18	17	21
PISTON DIAMETER	200 mm	200 mm	200 mm	200 mm	200 mm
STROKE LENGTH	1,600 mm	2,000 mm	2,000 mm	2,000 mm	2,000 mm
POWERED BY	AUS D/E	AUS D/E	AUS D/E	AUS D/E	AUS D/E
DIESEL AUXILIARY ENGINE	IVECO 129 KW	IVECO 129 KW	IVECO 129 KW	IVECO 175 KW	IVECO 175 KW
ELECTRIC AUXILIARY ENGINE	110 KW	110 KW	110 KW	160 KW	160 KW

*Cannot be reached simultaneously

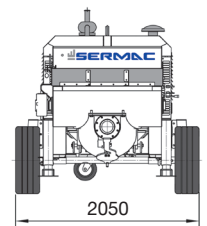
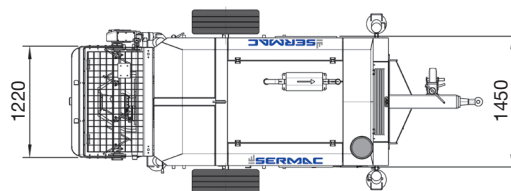
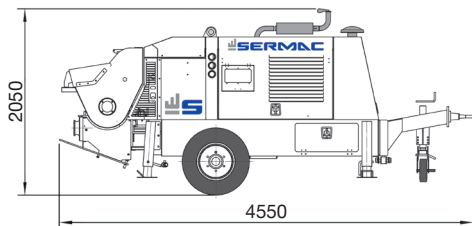
STAR 8" / STAR 6"

MAIN TECHNICAL CHARACTERISTICS SERIES 8" - SERIES 6"

- Frame composed of high quality steel.
- Pumping unit whit open hydraulic circuit.
- Concrete S-valve made of cast iron wear-resistant.
- Automatic lubrication of the pumping unit on all moving parts.
- Automatic wears compensation system between plate and ring.
- Diesel engine Iveco 129 kW or 175 kW (Serie 8").
- Diesel engine Kubota 54 kW (Serie 6").
- Electric auxiliary engine on request.
- Single axle with plugged pneumatics.
- Tow shaft with eyelet.
- Support wheel iron made adjustable in height.
- Manual stabilization on 4 points adjustable in height.
- Radio remote control.
- Concrete capacity adjustment from electric box and radio remote control.
- Hydraulic pumps Bosh-Rexroth at variable capacity.
- Automatic greasing system pumping group.
- High pressure water pump 22 l/min, 138 bar (Serie 8") or 85 l/min, 20 bar (Serie 6").
- Washing nozzle.
- Exit pipeline with bend and section 7" + reduction 5" (Serie 8").
- Large capacity concrete hopper made by anti-wear steel.
- Electric vibrator on hopper grid.
- Maintenance kit.
- Acoustic alarm.
- Water tank: 200 l (Serie 8") or 210 l (Serie 6").
- Diesel tank: 200 l (Serie 8") or 70 l (Serie 6").
- Monochromatic painting.



Star Series 6"



SERIE 6" PUMPING UNIT - specifications

TRAILER PUMP	ST 40	ST 70
TH. CONCRETE OUTPUT (MAX)* ROD SIDE	40 m ³ /h 52 yd ³ /h	70 m ³ /h 92 yd ³ /h
CONCRETE PRESSURE (MAX)* ROD SIDE	54 bar 783 psi	50 bar 725 psi
NUMBER OF STROKES (MAX)* ROD SIDE	26	46
PISTON DIAMETER	180 mm	180 mm
STROKE LENGHT	1.000 mm	1.000 mm
POWERED BY	AUX D/E	AUX D/E
DIESEL AUXILIARY ENGINE	KUBOTA 54 KW	KUBOTA 54 KW
ELECTRIC AUXILIARY ENGINE	45 KW	45 KW

*Cannot be reached simultaneously

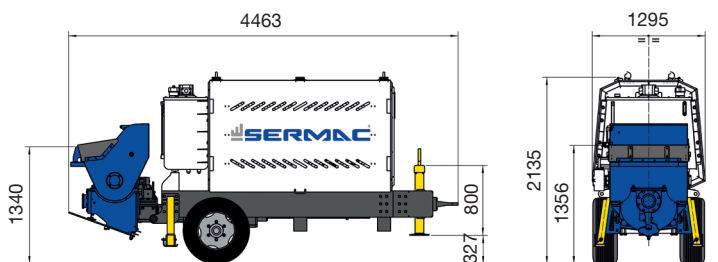
STAR 6" SR 30

MAIN TECHNICAL CHARACTERISTICS

- Frame composed of high quality steel.
- Pumping unit whit open hydraulic circuit.
- Easy and quick maintenance of all components.
- Excellent performance for any type of concrete.

STANDARD DOTATION

- Concrete S-valve made of cast iron wear-resistant.
- Automatic lubrication of the pumping unit on all moving parts.
- Pumping group:
 - Cylinders Ø 180 mm / stroke 1.000 mm.
 - Concrete flow up to 30 m³/h (piston side).
 - Concrete pressure up to 87 bar (piston side).
- Short width 1.295 mm.
- Total weight 3.500 kg.
- Electric auxiliary engine.
- Single axle with plugged pneumatics 10.075/15.3".
- Tow shaft with eyelet.
- Front manual support adjustable in height.
- Rear manual stabilization on 2 points adjustable in height.
- Radio remote control.
- Concrete capacity adjustment from electric box and remote control.
- Hydraulic pump Bosh-Rexroth with regulator constant power.
- Automatic greasing system pumping group.
- High pressure water pump 120 bar.
- Washing nozzle.
- Exit pipeline with bend and section 6" + reduction 5".
- Large capacity concrete hopper made by anti-wear steel.
- Electric vibrator on hopper grid.
- Maintenance kit.
- Acoustic alarm.
- Water tank: 90 l.
- Oil tank: 300 l.
- Monochromatic painting.



Series 6" - SR 30



PUMPING UNIT - specifications	
SR 30	
TH. CONCRETE OUTPUT (MAX)* ROD SIDE	30 m ³ /h (39 yd ³ /h)
CONCRETE PRESSURE (MAX)* ROD SIDE	87 bar 1261 psi
NUMBER OF STROKES (MAX)* ROD SIDE	21
PISTON DIAMETER	180 mm
STROKE LENGTH	1000 mm
POWERED BY	AUX ELECTRIC
ELECTRIC AUXILIARY ENGINE	30 KW

*Cannot be reached simultaneously

OPTIONALS EXTRAS

- Light on hopper.
- Connection high pressure to pumping group.
- Exit pipeline with bend and section 6" + reduction 5" (Serie 6").
- Air compressor 550 l/min, 10 bar.
- Heating coil water tank.
- Polychromatic painting.

Series 8" - Series 6"