TRAILER CONCRETE PUMPS

THE TRAILER CONCRETE PUMPS

Star series 8” and **Star series 6”** offer the best solutions for great versatile pumping of any type of concrete, either horizontally or vertically, for civil projects, galleries, nuclear centrals, skyscrapers, pumping of industrial mud, and much more.

- **Series 8”:** the available motor power reaches **175 kW** (diesel motor), and it can carry concrete charges till **124 m³/h** and pumping pressures till **171 bar**.
- **Series 6”:** the available motor power reaches **75 kW** (diesel motor), and it can carry concrete charges till **60 m³/h** and pumping pressures till **130 bar**.

The pumps are excellent for work with any type of concrete. The top quality anti-wear materials used for the construction of the pumping unit ensures long life and minimal maintenance costs.

PUMPING GROUP SCC-SCM-SCL

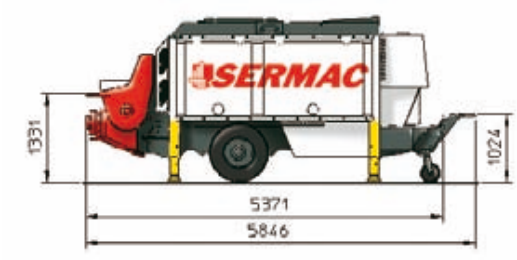
RELIABILITY AND HIGH PERFORMANCE

The hydraulic system is made of an open circuit with auto compensating sequence between the ring and the wear plate, which ensures high performance and reliability in every work condition.
The “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.

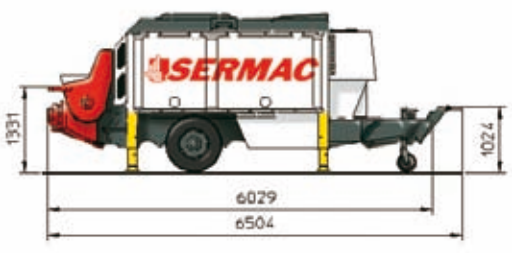
- THE HOPPER: excellent geometry for concrete pumping:
large capacity of the hopper and the agitator couples to facilitate difficult work with low slump concretes. The **excellent mix** between the agitator and the hopper (shaft provided with bolt-on blades) avoids any stagnation of concrete ensuring maximum efficiency during the pumping and making it easier to clean.

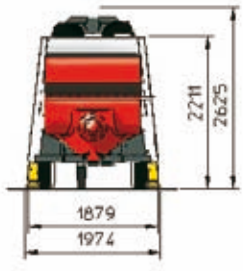
STAR Series 8”

SCM



SCL





SERIE 8” PUMPING UNIT - specifications

	SCM 65 CHP	SCM 80 C	SCL 80 CHP	SCL 100 C	SCL 100 CHP	SCL 120 C
TH. CONCRETE OUTPUT (MAX)* ROD SIDE	65 m³/h (85 yd³/h)	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	43 m³/h (56 yd³/h)	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	101 bar 1450 p.s.i.	81 bar 1174 p.s.i.	101 bar 1450 p.s.i.	81 bar 1174 p.s.i.	101 bar 1450 p.s.i.	81 bar 1174 p.s.i.
CONCRETE PRESSURE (MAX)* PISTON SIDE	172 bar 2479 p.s.i.	137 bar 1986 p.s.i.	172 bar 2479 p.s.i.	137 bar 1986 p.s.i.	172 bar 2479 p.s.i.	137 bar 1986 p.s.i.
NO. OF STROKES (MAX)* ROD SIDE	21.6	26.5	21	26.5	27	32
NO. OF STROKES (MAX)* PISTON SIDE	14.2	17.6	13.9	17.5	17	21
PISTON DIAMETER	200 mm	200 mm	200 mm	200 mm	200 mm	200 mm
STROKE LENGHT	1.600 mm	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	AUS D/E
DIESEL AUXILIARY ENGINE	IVECO N67MNTX 129KW/ DEUTZ TCD 2013 129KW	IVECO N67MNTX 129KW/ DEUTZ TCD 2013 129KW	IVECO N67MNTX 129KW/ DEUTZ TCD 2013 129KW	IVECO N67MNTX 129KW/ DEUTZ TCD 2013 129KW	IVECO N67ENTX 175KW/ DEUTZ TCD 2012 155KW	IVECO N67ENTX 175KW/ DEUTZ TCD 2012 155KW
ELECTRIC AUXILIARY ENGINE	110 KW	110 KW	110 KW	110 KW	160 KW	160 KW

*Cannot be reach simultaneously