S 38 SX Reptor
Truck-mounted concrete pump

Vertical reach		37.30 m
Concrete output	max.	162 m³/h
Pressure on concrete	max.	85 bar

RECORD BREAKING ENGINEERING

The S 38 SX Reptor from SCHWING

Advantages and benefits at a glance

Boom
The Reptor boom with the large opening angles of its boom elements and roll folding, is easy to operate even in demanding applications. Thus, it is an ideal tool for pump applications in halls or for threading into the building. The boom is positioned quicker by the 2 x 360° swivelling range of the turret.

Pump kit
Only the SX outriggers by SCHWING allows the longstroke pump kit P32HD with 2.50 m-long pumping cylinders to be used in this class of machine. Advantages: even smoother operation and 15% less strokes than with pump kits otherwise available in this class.

SX outriggers
The SX outriggers developed by SCHWING combine high torsional rigidity and excellent stability with minimum space requirement. The protected piston rod and internally laid hydraulic lines prevent damage and reduce service costs.

Open hydraulic system
The open hydraulic system of the S 38 SX Reptor converts the engine power efficiently into pump power with little loss. Thus, the usual practice-output rates can be realised with a fuel-saving engine speed of just over 1000 rpm.

Vector control
The machine operator can inspect machine data, operating conditions and settings on S 38 SX Reptor, changing various parameters, all through the intuitive VECTOR control. The integrated diagnostic system ensures safe operation and also reminds the operator when maintenance is necessary.

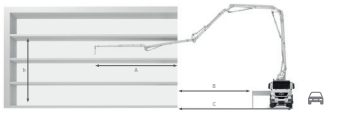
Concrete valve
The legendary low-wear ROCK valve with its optimal geometry for low-friction concrete flow ensures low service and operating costs. Being fast and easy to clean, the S 38 SX Reptor is quickly ready for the next job.

Supply control
The water box can be filled and emptied, and the water pump, agitator, spray hose, high-pressure cleaner and compressor, all controlled via the standardised supply control. This is the standard for all SCHWING truck-mounted concrete pumps for greater clarity and ease of operation.

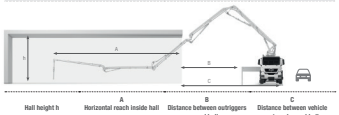
Remote control SC 30
The light weight, easy to use and comfortable SC 30 helps minimise fatigue, allowing the operator to focus on the job for extended periods. The powerful batteries guarantee an operating time of at least 8 hours.

The Reptor boom. Exceptionally flexible.

The use of truck-mounted concrete pumps in halls and in front of buildings with retracted boom, requires much experience and permanent attention. The more flexible and easier it is to operate the boom of a concrete pump, the quicker and more safe such demanding concreting tasks can be mastered. With the large opening angles of its boom elements and the roll-folding, the Reptor boom of the S 38 SX is the ideal tool for such applications. Intuitive operability and extremely mobile: for more efficiency and safety on each construction site.



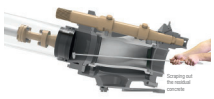
h Floor	A Horizontal reach in the floor	B Distance between outriggers and building	C Distance between vehicle outer edge and building
Ground floor (3 m height)	16.40 m	12.50 m	17.10 m
1st floor (6 m height)	18.40 m	10.50 m	15.10 m
2nd floor (9 m height)	20.40 m	8.50 m	13.10 m
3rd floor (12 m height)	22.40 m	6.50 m	11.10 m



Hall height h	A Horizontal reach inside hall	B Distance between outriggers and hall	C Distance between vehicle outer edge and hall
5 m	22.50 m	9.00 m	11.10 m
6 m	23.50 m	8.50 m	10.10 m
7 m	24.50 m	4.50 m	9.10 m
8 m	32.60 m (max. horizontal reach)	Setup inside the hall possible (folding height: 7.40 m)	

The ROCK. Extremely robust.

Faster clean with less water.
Due to its straight design, in comparison to other concrete valves, the ROCK valve is easier and quicker to clean. It also provides a direct view into the delivery cylinder and of the pumping pistons. The pump kit can therefore be cleaned easily and conveniently within just two strokes. This saves water and reduces the time needed for cleaning.

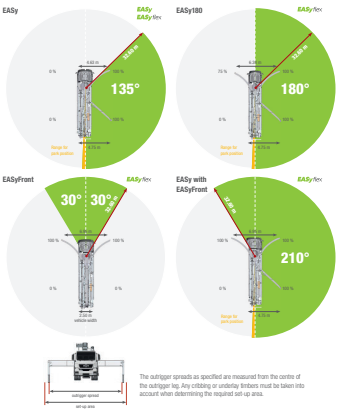


Optimum geometry for low-friction concrete flow.
The smaller the concrete flow is diverted in the concrete valve, the lower the pressure loss and wear at this point. And that is precisely the case with the ROCK valve: its optimum geometry ensures a straight and thus extremely low-friction concrete flow out of the delivery cylinder into the outlet. This reduces wear in the concrete valve and minimises the energy required for the drive. It also ensures the lowest maintenance and operating costs.

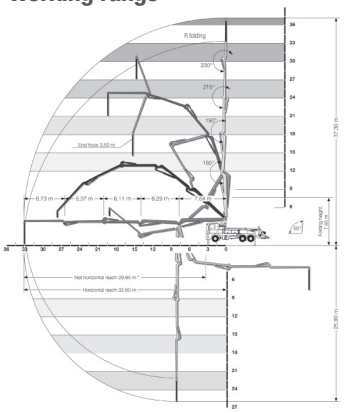
Intelligent wear protection.
The wear in the concrete valve is particularly high as the concrete is fed into the outlet at high pressure. In order to minimize this wear, at the most heavily loaded point of the ROCK concrete does not rub on steel, but rather on concrete. This is because the intelligent design of the ROCK leads to the formation of a concrete triangle after each shift. Protected by this concrete layer, the ROCK has a significantly longer service life than other concrete valves. For noticeably more profit per m³.

EASy and EASyflex

The outrigger systems EASY and EASyflex extend the range of applications of the S 43 SX III. With EASY, the concrete pump can be safely supported on one side, if required. Thereby covering a working range of 135°. EASyflex provides further outrigger combinations and as such, more flexibility on the jobsite. In this way, pump applications can be achieved with the maximum working safety even in difficult, restricted spaces. More flexibility for more safety.



Working range



* from front bumper

Technical data

Performance						
Pump kit		P2023-110/75	P2023-110/75	P2025-120/80	P2025-120/80	P2525-120/85*
Drive	l/min	535	636	535	636	636
Delivery cylinders	mm	230 x 2,000	230 x 2,000	250 x 2,000	250 x 2,000	250 x 2,500
Concrete output max.	m³/h	136	161	136	161	162
Pressure on concrete max.	bar	80	80	80	80	85
Stroke rate max.	l/min.	27	32	23	27	22
Concrete valve		M-ROCK (Option: B-ROCK	M-ROCK (Option: B-ROCK	B-ROCK	B-ROCK	B-ROCK
Hydraulic system						
Design		open system				
Hydraulic tank	l	420				
Boom		38 R Reptor				
Delivery line		DN 125				
Length of end hose	m	3.50 (Option: 1.00 + 2.50)				
Vertical reach	m	37.35				
Reach depth	m	25.90				
Horizontal reach	m	32.60				
Net horizontal reach	m	29.85 (from front bumper)				
Slewing range	°	410				
Number of boom sections		5				
Height of the inflexion points	m	4.20 / 11.83 / 18.12 / 24.22 / 31.52				
Folding height	m	7.40				
Support						
Outrigger width, front	m	6.88				
Outrigger width, rear	m	7.30				
Base frame (pump body)		short	long			
Outrigger load, front	kN	195	195			
Outrigger load, rear	kN	195	200			
Chassis (examples**)		Mercedes-Benz Arocs 2640	Mercedes-Benz Arocs 3240	Mercedes-Benz Arocs 3240		
Axles configuration		6x4	6x4	6x4		
Base frame (pump body)		short	short	long		
Wheelbase	mm	4,500	4,500	5,100		
Length	mm	10,655/10,348	10,655/10,348	11,255 /10,948	with / without underride guard	
Miscellaneous						
Water tank	l	610				

*only in combination with the long base frame **other chassis possible

SCHWING concrete pumps. Efficiency as standard.

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