



SCHWING

S 51 SX

Truck-mounted concrete pump



Vertical reach		164' 5"
Concrete output	max.	213 yd ³ /hr
Pressure on concrete	max.	1169 psi

MADE IN GERMANY
by SCHWING-Stetter 

THE STANDARD YOU SET.

The S 51 SX from SCHWING

Features and benefits

Pumpkit

The unique design of the SX outriggers gives us the space to fit the P2525 pumpkit with 2500 mm cylinders into the subframe. Advantages: even smoother operation and 15% fewer strokes than other pumpkits available in this class.



Hydraulic system

The open-loop hydraulic system of the S 51 SX converts the engine power efficiently into pumping power with little loss. Advantages: standard output rates can be achieved with a fuel-saving engine speed of 1550 rpm.



Concrete valve

Thanks to its design, the ROCK valve suffers significantly less wear and tear than other concrete valves. It is also quick to clean and demonstrably easier to maintain. The advantages of the S 51 SX: shorter servicing times, higher machine uptime, and lower maintenance costs.



SCC (SCHWING Cab Control)

The 5" SCC touch screen allows operators to safely switch between pumping and driving modes. The SCC displays PTO hours and PLC I/O Status. The operator can also adjust PTO related settings along with raising/lowering optional lift axes. Backup camera is standard with optional blind spot cameras with DVR and 7" touch screen.



RZ⁵



Boom

The easy-to-operate RZ boom with large opening angles on sections 4 (235°) and 5 (230°) is extremely flexible and safe during operation. Another advantage is the low unfolding height of 32'-10" and the large slewing range of 2 x 365°. To increase safety when pumping and minimize blockages, only standard elbows with a large 10" radius are used with the 5" boom pipeline system of the S 51 SX.



SX outriggers

The single stage SX outrigger exclusively developed by SCHWING combines high torsional rigidity and stability with smaller outrigger spreads. The enclosed piston rod and hydraulic lines provide optimum protection against damage and reduce service costs.



Remote control SC 30

The lightweight, easy-to-use and comfortable SC 30 helps minimize fatigue, allowing the operator to focus on the job for extended periods of time. The powerful rechargeable batteries provide at least 8 hours of operating time.



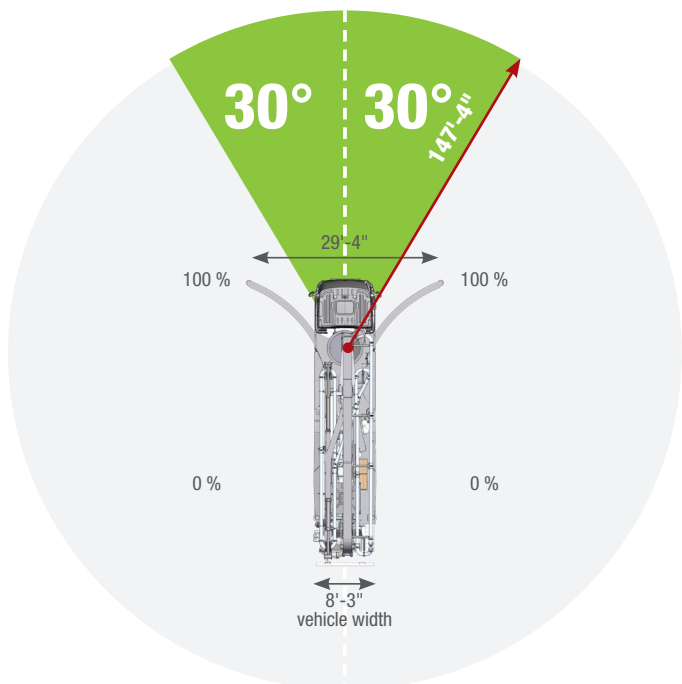
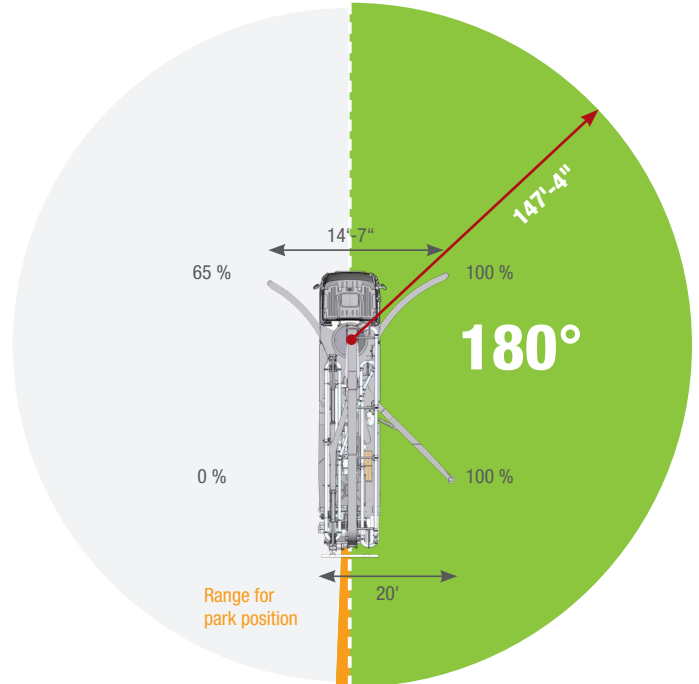
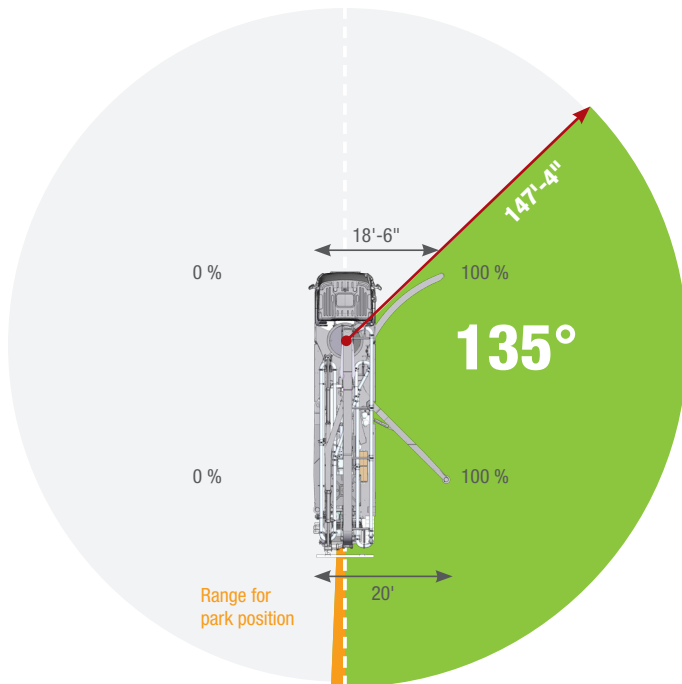
High resolution color display: VECTOR II Control

The VECTOR II control system allows the operator to call up machine data, operating status, and selected settings of the S 51 SX. They can also change various machine parameters and settings. The integrated diagnostic system ensures safe operation and alerts the operator to maintenance intervals.

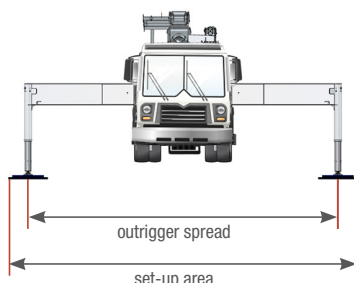
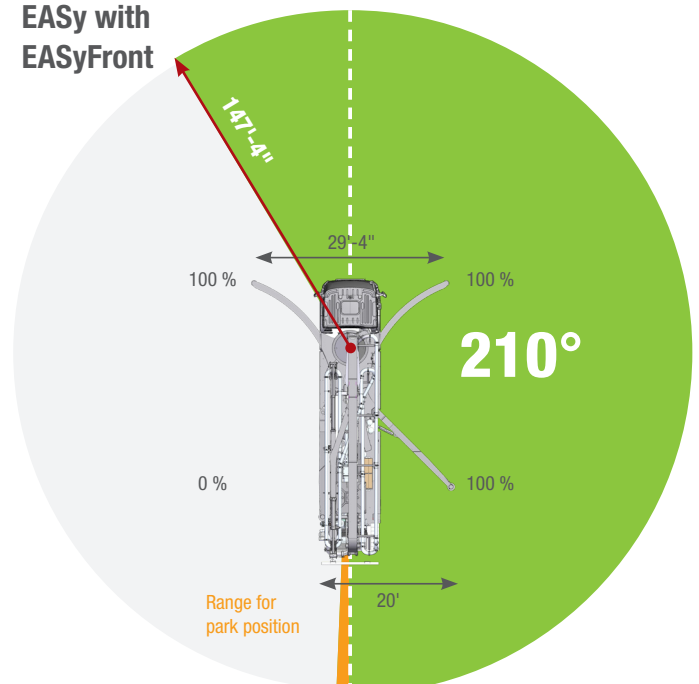


EASy and EASyflex

EASy and EASyflex mode allow the concrete pump to be safely setup without fully extending all the outriggers. With EASy, the concrete pump can be safely supported on one side, while covering a working range of 135°. EASyflex provides further outrigger combinations for more flexibility on the job site. This allows the concrete pump to be safely setup in restricted spaces. More flexibility equals more safety.



**EASy with
EASyFront**



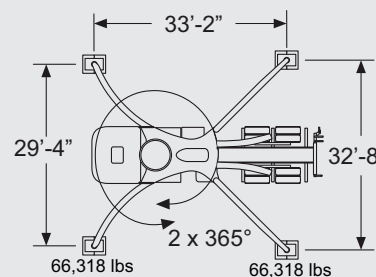
Outrigger spreads measured from the center of the outrigger leg. Any cribbing or additional dunnage must be taken into account when determining the required set-up area.

S 51 SX Truck-mounted concrete pump

Technical data

Performance	U.S.	Metric
Pump kit	P2525-120/85	
Drive	168 gal/m	636 l/min
Delivery cylinders	10' x 98.5"	250 x 2,500 mm
Concrete output max.	213 cu. yds./h	162 m³/h
Pressure on concrete max.	1169 p.s.i.	85 bar
Stroke rate max.	22 1/min.	22 1/min.
Concrete valve	B-ROCK	
Hydraulic system		
Design	open loop hydraulics	
Hydraulic tank	130 gal	500 l
Boom	51 RZ	
Delivery line	5"	DN 125
Length of end hose	10'	3 m
Vertical reach	164' - 5"	50.10 m
Reach depth	114' - 2"	34.80 m
Horizontal reach	147' - 4"	44.90 m (from center of turret)
Net horizontal reach	136' - 2"	41.50 m (from front of outriggers)
Number of boom sections	5	5
Height of the inflexion points	14'-1"/50'-6"/81'/109'-9"/137'-10"	4.30/15.40/24.70/33.45/42.00
Slewing range	2 x 365°	
Folding height	32' - 10"	10.00 m
Support		
Outrigger width, front	29' - 5"	8.95 m
Outrigger width, rear	32' - 8"	9.95 m
Outrigger load, front	66,318 lbs	295 kN
Outrigger load, rear	66,318 lbs	295 kN
Chassis (examples*)	Mack TerraPro - TE84R	Mack Granite
Axles configuration	10x6	8x6 w/pusher
Wheelbase	22' - 10"	27'
Length	44' - 2"	47'
Operating weight	83,300 lbs	85,240 lbs
Miscellaneous		
Water tank	160 gal	610 l

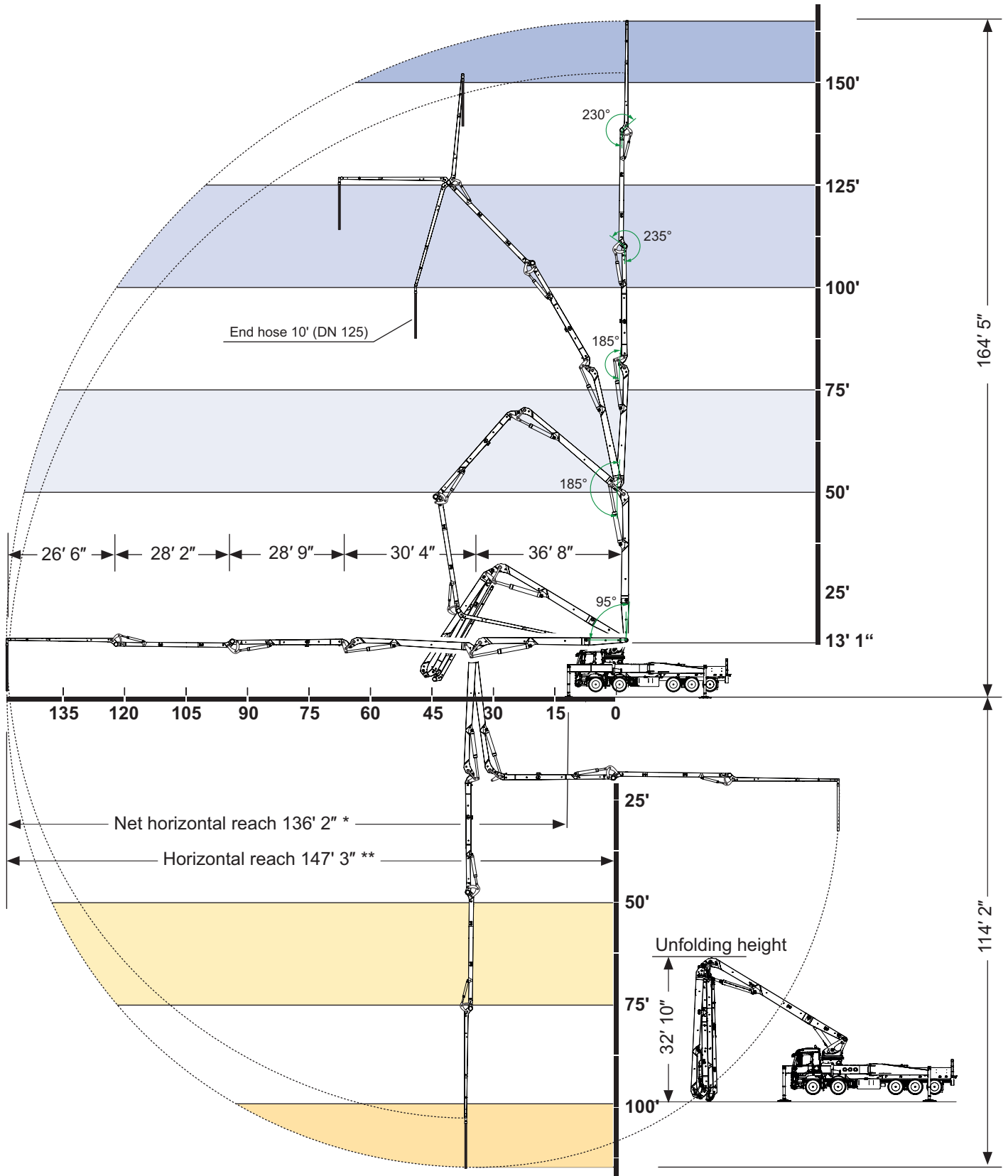
The diagram illustrates the 51 RZ boom configuration. It shows a central turret with four outriggers extending outwards. The dimensions are as follows: the front outrigger width is 29'-4", the rear outrigger width is 32'-8", and the distance between the front and rear outriggers is 33'-2". The height of the outriggers is 29'-4". The weight of each outrigger is 66,318 lbs. The slewing range is indicated as 2 x 365°.



*Can be mounted on different chassis frames

S 51 SX Truck-mounted concrete pump

Working range



* From front of outriggers

** From centre of turret



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SCHWING the standard you set



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Subject to technical and dimensional modifications. Illustrations are non-binding. The exact standard specification, the scope of delivery and the technical data are detailed in the offer.