SPOTLIGHT

S 31 EZ

"Contractors have been dreaming of this machine since the invention of the concrete pump – and Schwing delivered."

- Randy Edwards, Edwards Concrete Construction

SCHWING

"We use it every single day."

Armed with state-of-the-art pumping equipment and experienced placing and finishing crews, Edwards Concrete Construction covers an estimated 100-mile radius from their headquarters in Evansville, IN, servicing everyone from general contractors to concrete contractors.

Edwards acquired his Schwing S 31 EZ from Schwing Distributors Cross Enterprises, Melvindale, MI. Since then area contractors have been requesting this telescopic boom pump regularly. No other pump matches this one-of-a-kind machine that combines telescopic boom versatility with operational ease and maximum utilization on everything from walls to footings to flatwork to indoor applications.

Essentially two machines in one, the S 31 EZ needs only 18'-8" unfolding clearance to provide 87 feet of horizontal reach in low overhead situations, and transitions seamlessly to everyday outdoor jobs like walls and slabs.

"We use it every single day," says Edwards. "It supplies us with infinite solutions when it comes to specialty projects and indoor work. Second floor mezzanines are a snap with the telescoping boom. And when we're not utilizing the boom's capabilities to overcome specific obstacles or logistics, we dispatch it just like we would a 32-meter boom. It's absolutely a multi-use pump."

Edwards went on to describe one example of the pump's versatility. "In the more rural communities, you run into quite a bit of farm-related work. Landowners in our area are opting to erect structures like pole barns using post-frame construction methods. They're also installing radiant heat tubing in the floors, which makes concrete placement more challenging."

On jobs like this, the S 31 EZ's low unfolding height and15'-2" of smooth telescoping action with auto-scissors pipeline allows Edwards' operator to keep the boom safely in the operational zone while providing pinpoint accuracy.

"Even when there's not enough room to unfold the boom completely – say a structure with overhead room measuring 12 or 14 feet – there's still 15 feet of telescopic ability to get the job done," says Edwards.

Recently, Edwards' S 31 EZ completed slab pours on the Southern Indiana Career and Technical Center located near the pumper's headquarters. To meet construction deadlines and avoid potential problems posed by severe winter weather, the center's project designers elected to build the walls and roof first. Project designers also planned for the building's slabs to consist of colored concrete.

"The way the facility was constructed actually solved some of our initial finishing concerns," says Edwards. "Colored concrete is very temperature sensitive. There were concerns about its workability and setting time during the winter, and summer heat poses the same type of issues. We needed moderate temperatures in order to maintain the quality and achieve the look the owners wanted. The enclosed space afforded a more controlled environment for finishing."

But the pumper still needed to find a way to reach every inch of the facility's 10,000-square foot diesel engine shop within the confines of the existing roof and walls.

"A trailer pump with an extensive system would certainly have done the job," says Edwards. "But the labor involved in that

“It’s more versatile than a Z Boom.”

process was something we didn’t even want to consider – not when we had boom pumps that could handle the job that much quicker without the cost of extra workers.”

So, faced with overhead restrictions ranging between 16 and 22 feet and narrow access to the interior of the facility, Edwards found the solution in their S 31 EZ. With the boom pump set up on the interior, the pumper set up one WP 750-18X trailer pump from Schwing America on the outside of the school. A single line system ran through the interior to the boom pump.

Edwards’ operator utilized the slewing function to swing the boom when retracting or extending the telescopic section. The remote box design incorporates twin-rotating joysticks, allowing the operator to provide the telescopic action proportionally and simultaneously with boom unfolding to further speed concrete placement. The patented Auto-Scissors pipeline adjusts to all boom positions without exceeding overall height for reliable delivery of concrete to the end hose.

“It took some fancy boom configurations in some of the tighter spots on the site, but eventually we were able to reach what was left of the slabs from the exterior so the trucks were able to dump directly into the hopper.”

“It supplies us with infinite solutions.”

“The S 31 EZ does everything we require of it – and we’re constantly finding different applications for it,” says Edwards. “It’s far more versatile than a conventional Z boom, and the Schwing name gives me a lot of confidence when it comes to performance and reliability.”

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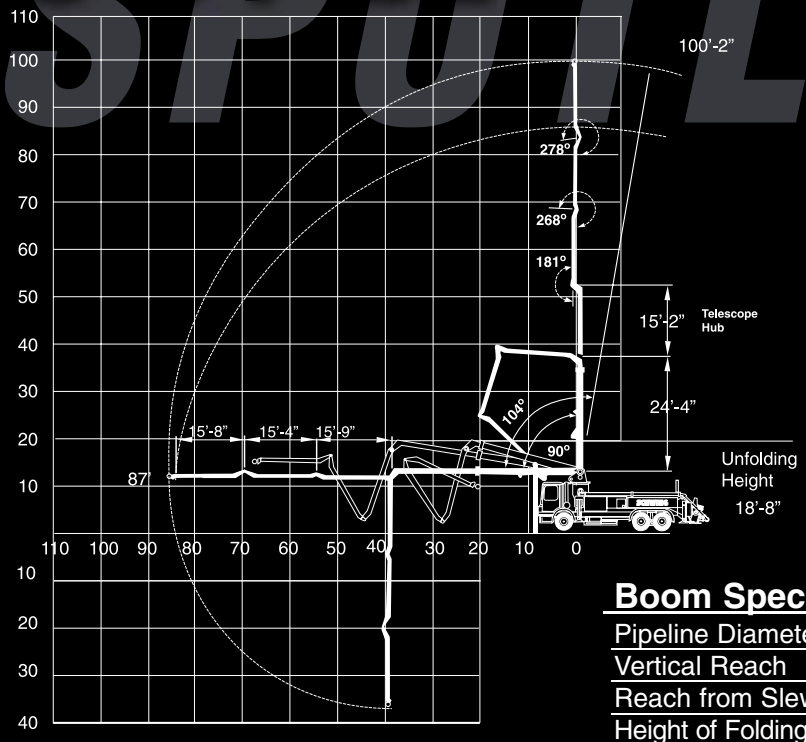
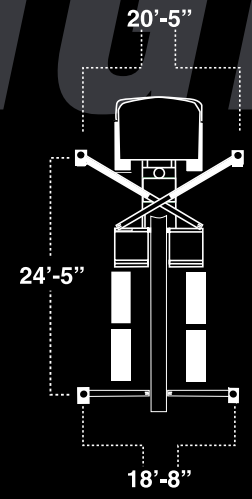
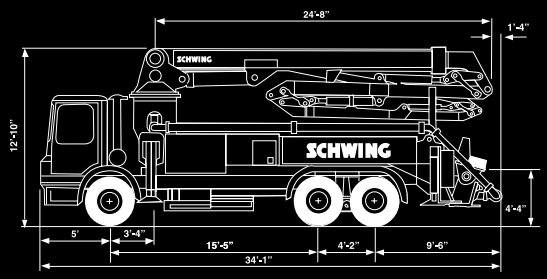




Maximum stability in the smallest space is provided by the "X" style hydraulic outriggers.



Boom Specifications	U.S.	Metric
Pipeline Diameter	5"	125 mm
Vertical Reach	100' 2"	30.54 m
Reach from Slewing Axis	87'	26.5 m
Height of Folding Point (#1 hub)	12' 3"	3.7 m
Main Section Retracted	24' 6"	7.47 m
Main Section Extended	39' 9"	12.11m
Second Section	15' 11"	4.85 m
Third Section	15' 5"	4.7 m
Tip Section	15' 10"	4.83 m
Minimum Unfolding Height	18' 8"	5.7 m
Slewing Range	545°	545°
End hose length	12'	3.6 m

Specifications are subject to change without prior notice.

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