

champ ZS 29

Ride-On Automatic Scrubber



The New Little Ride-On With 'Oomph.' The new Champ ZS 29 from NSS® is the snappy little ride-on with big ride-on power. Its 36V. electrical system package delivers up to 30 percent more run time than a comparably configured 24V. machine, so the Champ ZS 29 gives you more of what you expect from a ride-on autoscrubber.

Maneuverability. Because of its single front-drive wheel, the Champ ZS 29 is a deft and maneuverable performer. Its front wheel turns 90 degrees in both directions — unlike most of its competitors — so it needs only 67 inches in which to turn around. And it will fit through any standard 36-inch door opening without removing squeegees, side skirts or brushes.

Power. With its 1 HP drive motor and powerful 36V. power system, the new Champ ZS 29 has guts enough to power up most loading ramps. And more than enough to outlast many other machines in its class.

More Wet Vacuuming Power. The Champ ZS 29 vacuum motor achieves 60-in. of water lift — 20 percent more wet vacuuming power than most other machines in its class.

Less Operator Fatigue. Like any ride-on, the Champ ZS 29 can make your people more productive — by up to 50 percent, according to some workload studies — versus walk-behind machines. Your staff will clean longer — and more thoroughly — with far less fatigue. And they will look forward to cleaning the floors, instead of putting off the job.

Greater Productivity. The result of all these superlatives: Greater productivity — per charge, per day, per week, per year.

It adds up to a productivity advantage of at least 9.5 million square feet per year — an area more than twice the size of the Merchandise Mart in Chicago, the largest commercial building in the world — beyond what a similarly configured 24V. machine will clean over that same year period.

Talk about 'Oomph!'



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We Call It The Champ Because of Its Guts.

More is More.

The Champ ZS 29 delivers more of what you buy a ride-on for:

More power. A wider workpath. Greater vacuuming power. Greater run time. And a far greater scrubbing capacity per charge.

All with the durability and serviceability—and ‘uncommon-sense’ design features—that are synonymous with an NSS®-built machine.

Some examples? Here are just a few of many:

The Champ ZS 29’s squeegee retracts to a higher point than some other units, so it’s easy to change.

The exclusive NSS X-IQ Electronic Control System, the brains of the Champ ZS 29, allows the operator to monitor all machine functions from an LCD screen on the control panel.

The Champ ZS 29 features 60-in. of water lift — 20 percent more wet vacuuming power than most machines in its class.

The Champ ZS 29 has a more powerful brush drive motor than other units in its class — 2 HP, vs. other’s 1.5 HP.

Its 36V. electric system produces 30 percent more productivity than most similarly configured 24V. machines.

And we’ve incorporated a variety of tie-down notches, so securing the unit in a moving vehicle is easier.



The single front-drive wheel pivots 90 degrees in both directions; most other machines do not. The Champ ZS 29 turns around in 67-in. of space. This means the Champ ZS 29 can turn around comfortably in a 6-foot wide aisle.

The Ergonomics:

The steering column adjusts — with 5 positions from 0° to 40° — to the operator’s comfort level. It can also be tipped straight up to make entry and exit easier.

The thick, molded-grip steering wheel reduces fatigue.

The higher pivot point on the column means the operator doesn’t have to hunch over the steering wheel. Better posture means greater comfort and more productivity.



The Champ ZS 29: A Big Machine in a Small Package.

Ergonomically-sound steering wheel and column pivot makes longer rides more comfortable.

Side-loaded battery compartment makes battery installation easier. No need to lift batteries above the side of the machine.

The flip-up battery cover allows easy access to the 36V. electrical system. This powerplant will generate 30 percent more run time than a 24V. system on a similarly configured unit.

The 29-gallon solution tank and 32-gallon recovery tank keep the Champ ZS 29 on the job longer.

The compact design of the Champ ZS 29 allows it to move easily through standard 36-in. doorways — no need to remove side skirts, squeegees or brushes.

This ready-to-use machine arrives with charged batteries installed — connect the batteries, drive the Champ ZS 29 off the packing skid, fill with solution, attach brushes and begin scrubbing. Initial battery-charging is recommended.



The 33-in. curved squeegee funnels dirt and water into the center of the assembly, where it is picked up by the powerful .75 HP vacuum motor. Waterlift on the Champ ZS 29 is rated at 60 inches.

The workpaths of the twin 15-in. brushes overlap a full inch to eliminate the center streaking often associated with competitive machines with less overlap. The 2 HP brush motor is more powerful than the 1.5 HP brush motors used in competitive units.



NSS X-IQ Electronic Control System.

The Champ ZS 29 features an exclusive, state-of-the-art controller which governs all the functions of the scrubber. An easy-to-read LCD screen displays all of the controls for the Champ ZS 29, including pad pressure, solution flow, battery levels, vacuum power and run time. The NSS X-IQ System includes a digital diagnostics function which allows technicians to instantly diagnose machine problems.

And of Course, It's Designed and Built By NSS®.

The NSS® name has meant consistent quality and durability for the past 90 years. Our guiding design principle — elegant simplicity — animates our efforts to build the most reliable, most durable, most productive floor cleaning equipment you can find, with the lowest lifecycle costs of any machine line in the world.

We're proud of that legacy, and proud, too, that of the way our new Champ ZS 29 builds on it.



Judge For Yourself.

Compare us to the competition.
You'll find the new Champ ZS 29 is the clear leader in its class —
the next generation of compact ride-on scrubbers.

Model	Champ ZS 29
Cleaning Path	29-in. (74 cm)
Solution Tank	29 gallon (110 l.)
Recovery Tank	32 gallon (121 l.)
Brushes	(2) 15-in. (38 cm)
Brush RPM	300 RPM
Standard Brush Pressure	115 lbs.
Heavy Brush Pressure	230 lbs.
No. Brush Motors	1
Brush Motor HP	2 HP
Vac Motor HP	0.75 3-stage
Traction Motor HP	1 HP
Power Source	36V.
(# of batteries) amp hour	(6) 325ah or (6) 395ah
Squeegee	33-in. (84 cm) curved gum-rubber
Sq. Ft. per Hour	41,824 (3,867 sq. meters) per hour
Turning Radius	67-in. (170 cm)
Operation/Charge	4 hrs.
Sq. Ft. per Charge	167,296 (15,467 sq. meters)
Sound Level	70 dbA
Length	64-in. (163 cm)
Width	33-in. (84 cm)
Height	53-in. (135 cm)
Weight (Machine Only)	618 lbs. (280 kg)
Weight w/batteries and charger	1278 lbs. (580 kg) / 325ah
Weight w/batteries and charger	1401 lbs. (636 kg) / 395ah
Warranty	10 years poly parts 3 years limited on other components



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Specifications and appearance of machine
subject to change without notice.

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