## WRANGLER F/B

27 and 33-Inch Automatic Scrubbers



The Wrangler F/B automatic scrubbers thoroughly scrub and dry the floor in one pass to save you time and money. These rugged yet maneuverable autoscrubbers are unsurpassed in cleaning power, performance and durability.

The **Wrangler 33 F/B** is our widest walk-behind scrubber. Its large 32-gallon recovery tank means fewer refills, and its extended battery life between charges make this machine ideal for covering large areas of over 50,000 square feet. A variable speed control allows almost effortless operation, reducing operator fatigue. The high-quality, long-wearing urethane squeegee blades last up to four times longer than the gum rubber blades.

Slightly smaller — but no less powerful — is the **Wrangler 27 F/B**. Designed to handle areas from 30,000 to 70,000 square feet, this scrubber matches the Wrangler 33 in performance and durability.

The wide-area cleaning ability of the Wrangler F/B makes it a cost-saver for schools, hospitals, factories, superstores or other facilities with large, open areas.





NSS Enterprises, Inc. 3115 Frenchmens Road Toledo, Ohio 43607-2958 USA

## A Look Inside The Wrangler F/B

The vacuum motor is mounted on the lid for easy access and maintenance.

Filter pad also protects vacuum motor from possible foam damage.

Exclusive "percolator" de-foamer breaks down foam into a waterfall, thereby protecting the vacuum motor.

Float shut-off protects vacuum motor from damage caused by drawing in — liquid or foam.

The recovery tank has 32 gallons of usable capacity.

The solution tank has 26 gallons of usable capacity.

Side skirts swing out for easy access to pads or brushes.

Recovery tank drain hose can be pulled out from the front of the machine for easy emptying.

Rollers act as bumpers to protect walls and fixtures from damage.

33 inches

Flex-mounted brush drive plates assure effective scrubbing, especially on uneven floors. The battery compartment is easily accessed through the hinged recovery tank.

The squeegee swings wide on turns and picks up in forward and reverse to leave the floor drier. Breakaway feature prevents damage in case the squeegee catches on any fixed objects.

Shock absorbers control vibration on rough floors for smoother operation.

A no-slip compound on the drive wheel reduces machine skidding, even when double scrubbing.

Pads/brushes remain stationary until machine starts moving, eliminating 'doughnut' marks on the floor.

Get smoother operation — even on floors with seams or gaps — with the optional 43-inch (109 cm) Heavy-Duty Curved Squeegee (#2693609). Ideal for factories, warehouses and other industrial appplications, the curved squeegee funnels water and debris into the center, traps it and vacuums it in one pass. The durable gum rubber blades are resistant to stripping solutions.

MACHINE CLEANING	ACTUAL PATH ALLOWING FOR 3-INCH	NUMBER OF PASSES REQUIRED TO CLEAN AISLES			
PATH	OVERLAP	6 Feet	8 Feet	10 Feet	12 Feet
24 Inch	21 Inch	4	5	6	7
26 Inch	23 Inch	4	5	6	7
27 Inch WRANG	LER 24 Inch	3	4	5	6
28 Inch	25 Inch	3	4	5	6
30 Inch	27 Inch	3	4	5	6
32 Inch	29 Inch	3	4	5	5
33 Inch WRANG	LER 30 Inch	3	4	4	5

Scrub those hard-to-reach places quickly and easily with the convenient Wrangler Tool Kit (#2392179). It makes quick work of off-aisle cleaning tasks where no automatic scrubber can go.





CLEANING RATES						
	Wrangler 27 F/B	Wrangler 33 F/B				
Per Hour	Nom: 12,825 feet <sup>2</sup> (1,193 m <sup>2</sup> ) Max: 17,555 feet <sup>2</sup> (1,633 m <sup>2</sup> )	Nom: 15,675 feet <sup>2</sup> (1,458 m <sup>2</sup> ) Max: 21,450 feet <sup>2</sup> (1,995 m <sup>2</sup> )				
Per Charge	Nom: 51,300 feet <sup>2</sup> (4,771 m <sup>2</sup> )	Nom: 58,781 feet <sup>2</sup> (5,467 m <sup>2</sup> )				
(220 AH Batteries)	Max: 78,997 feet <sup>2</sup> (7,347 m <sup>2</sup> )	Max: 91,163 feet <sup>2</sup> (8,478 m <sup>2</sup> )				
Per Charge	Nom: 64,125 feet <sup>2</sup> (5,964 m <sup>2</sup> )	Nom: 74,456 feet <sup>2</sup> (6,924 m <sup>2</sup> )				
(250 AH Batteries)	Max: 96,552 feet <sup>2</sup> (8,979 m <sup>2</sup> )	Max: 112,613 feet <sup>2</sup> (10,473 m <sup>2</sup> )				
Per Charge	Nom: 76,950 feet <sup>2</sup> (7,156 m <sup>2</sup> )	Nom: 90,131 feet <sup>2</sup> (8,382 m <sup>2</sup> )				
(325 AH Batteries)	Max: 114,108 feet <sup>2</sup> (10,612 m <sup>2</sup> )	Max: 134,063 feet <sup>2</sup> (12,468 m <sup>2</sup> )				

## **WRANGLER FB Specifications**

SCRUBBING PATH	Wrangler 27 Wrangler 33 27 in. (69 cm) 33 in. (84 cm)	BRUSH/ PAD SPEED	200 RPM	SOUND LEVEL	74 dbA @ operator
VACUUM MOTOR Type 3-stage, bypass, tangaptial displayage		PAD DRIVERS Wrangler 27	2 14 in. (36 cm) poly back tufted with cup	CONSTRUCTION	Rotocast polyethylene tanks/body, mounted on steel frame
Voltage HP	tangential discharge 36V. 1 HP	Wrangler 33	2 17 in. (43 cm) poly back tufted with cup	TANK CAPACITIES	26 col (09 L)
CFM	72 (2 m <sup>3</sup> ) @ 1.5 in. (3.8 cm)	BRUSH PRESSURE	75 lbs. (34 kg) floating 135 lbs. (61 kg) medium 175 lbs. (80 kg) heavy	Solution Recovery SQUEEGEE	26 gal. (98 l.) 32 gal. (121 l.)
CLOSED WATERLIFT	60 in. (152 cm)	CLEANING RATE PER HOUR	Wrangler 27 30,000 ft. <sup>2</sup> (2,790 m <sup>2</sup> ) 18,000 ft. <sup>2</sup> (1,674 m <sup>2</sup> ) 13,500 ft. <sup>2</sup> (1,256 m <sup>2</sup> )	Wrangler 27 Wrangler 33	32 in. (81 cm) 38 in. (97 cm) Swing-type, adjustable; urethane blades; curved squeegee
POWER SUPPLY	36V.; 6 — 6V. batteries; 220 AH, 250 AH, 325 AH	Optimum Unobstructed Obstructed			
BRUSH DRIVE MOTORS Type	2 permanent magnet, gear motors	Optimum Unobstructed Obstructed	Wrangler 33 37,200 ft. <sup>2</sup> (3,460 m <sup>2</sup> ) 22,320 ft. <sup>2</sup> (2,076 m <sup>2</sup> ) 16,740 ft. <sup>2</sup> (1,557 m <sup>2</sup> )	DIMENSIONS Length Wr 27 Length Wr 33	available 61 in. (156 cm) 63 in. (160 cm)
RPM HP	200 RPM, contra-rotating .75 HP	Cleaning Rates: Optimum: Full speed, with a 2 in. (5 cm)		Skirt Width Wr 27 Skirt Width Wr 33	29 in. (74 cm) 35 in. (89 cm)
DRIVE	Roller chain and sprockets		es time for turnaround, tank	Body Width Both Height Both	25 in. (64 cm) 39 in. (99 cm)
DRIVE MOTOR Type Voltage	Permanent magnet 36V.	Obstructed: Includ	empty/refill and operator variation. bstructed: Includes time for turnaround, tank empty/refill, operator variation and		Wr 27 450 lbs. (204 kg) Wr 33 466 lbs. (212 kg)
HP DRIVE SPEED	.5 HP Variable Forward 0-240 ft. (0-73 m) Reverse 0-170 ft. (0-52 m)	operat CASTERS	ion around obstacles. Two 4 in. (10 cm) dia. x 2 in. (5 cm) mounted on	SHIPPING WEIGHT Machine Only	Wr 27 521 lbs. (237 kg) Wr 33 537 lbs. (244 kg)
DRIVE WHEEL	8 in. (20 cm) dia. x 4 in. (10 cm) tread; non- marking rubber; slip- resistant with slip grip tread	SOLUTION CONTROL	rubber shock absorber Manual pull at control panel via rigid bars; adjustable flow, forged brass valve, celcon rotor, O-ring seal	WEIGHT Batteries Only Each	220 AH 62 lbs. (28 kg) 250 AH 71 lbs. (32 kg) 325 AH 104 lbs. (47 kg)
				SHIPPING WEIGHT Batteries Only	220 AH 402 lbs. (183 kg) 250 AH 456 lbs. (207 kg) 325 AH 654 lbs. (297 kg)

Twist-grip for easy control in forward and reverse.

Squeegee lift/release lever.

Separate circuit breaker for each motor provides maximum protection against overloads. Battery meter warns against excessive battery discharge, which can shorten battery life.

Cleaning solution control lever.

Clear solution tank hose indicates amount of cleaning solution left, and also acts as a solution tank drain hose.

Brush lift/release lever has three different positions for light, medium or heavy scrubbing.



NSS® Enterprises, Inc. 3115 Frenchmens Road Toledo, Ohio 43607-2958 USA 419/531-2121 Fax 419/531-3761 www.nss.com mailus@nss.com Specifications and appearance subject to change without notice. DISTRIBUTED BY

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