

# Automatic Scrubbers

## Commercial Equipment



### Micromatic™ 13E

Automatic Scrubbers

- Replaces mop and bucket cleaning
- 13 inch scrub path, cord-electric
- Dual 6.5 inch disc brushes operate at 200 rpm
- Front squeegee system picks up solution in all directions
- 1.8 gallon "lift-out" solution tank, and 2.1 gallon recovery tank



### Micromatic™ 14E

Automatic Scrubbers

- 14 inch scrub path, cord-electric
- Cylindrical scrub brush operates at 1,000 rpm
- Front and rear squeegee system picks up solution in all directions
- 3 gallon "lift-out" solution and recovery tanks



### SC350™

Battery Operated Micro Scrubber

- Patented rotating deck allows for forward and backward scrubbing
- Compact design and foldable handle for easy storage
- Best in class 64 dB A sound level
- 14.5 inch scrubbing width
- "Lift-out" solution and recovery tanks
- 2.5 gallon solution tank
- 3 gallon recovery tank



### Micromatic™ M17B/M17E

Automatic Scrubbers

- Gel batteries with onboard charger, on battery model
- Smart Solutions™ solution control
- 6 gallon solution and recovery tanks



### SC450™

Automatic Scrubber

- 20 inch disc scrub path
- 10.5 gallon solution tank
- 11.9 gallon recovery tank
- Onboard Battery Charger
- Tools-free removal of squeegee and squeegee blades
- Wrap-around ergonomic handle system provides operator comfort
- Variable pad driven assistance
- Center-pivot designed squeegees provide 100% water pickup on turns
- Safety on/off switch is located on the handle for operator convenience



### Adfinity™ 20D/X20D/X20C/X24D

available with EcoFlex™ System

Automatic Scrubbers

- 20 and 24 inch disc and 20 inch cylindrical scrub paths, with traction drive
- 14.5 gallon solution and recovery tanks
- Smart Solutions™ Flow Rate
- EcoFlex™ Onboard Detergent Dispensing System (X20D, X20C, X24D)
- Onboard Battery Charger
- Variable Pad Pressure
- Interchangeable Scrub Decks
- Tools-free removal of squeegee and squeegee blades



### Adfinity™ X20R REV™

Random Orbital Floor Scrubber

- 20 inch scrub path
- Random Orbital Scrubbing technology
- EcoFlex™ System standard
- Variable scrub pressure
- Micro scrubbing 2,250 rpm
- Macro scrubbing 30 rpm
- One pass, uniform floor finish removal
- 10.5 gallon solution and recovery tanks
- Super quiet 68.5 dB A sound level
- Traction drive
- Onboard charger



### SC750™ REV™ with EcoFlex™ System

Dual Random Orbital Floor Scrubber

- 28 inch disc scrub path
- Dual random orbital scrubbing technology
- EcoFlex™ System standard
- Ultra low flow rate for high productivity
- 3.5 hours of scrubbing on a single tank max
- One-Touch™ scrubbing
- 170 pounds of down pressure max
- Onboard charger
- 21 gallon (80 L) tanks



Smart cleaning.

A Nilfisk-Advance Brand

## Technical Specifications

Models	Micromatic™ 13E	Micromatic™ 14E	SC350™	Micromatic™ M17B/M17E	SC450™
Scrub Path(s)	13 in (33 cm)	14 in (36 cm)	14.5 in (37 cm)	17 in (43 cm)	20 in (50.8 cm)
Max Productivity - per hour @3 mph/4.8 kph	13,400 ft <sup>2</sup> (1,240 m <sup>2</sup> )	18,480 ft <sup>2</sup> (2,084 m <sup>2</sup> )	9,500 ft <sup>2</sup> (882 m <sup>2</sup> )	M17E - 14,960 ft <sup>2</sup> (1,390 m <sup>2</sup> ) @ 2 mph (3.2 kph) M17B - 22,400 ft <sup>2</sup> (2,081 m <sup>2</sup> )	26,400 ft <sup>2</sup> (2,453 m <sup>2</sup> ) @ 3 mph (4.8 kph)
Scrub Head(s)	(2) 6.5 in (16.5 cm) disc	(1) 14 in (36 cm) cyl	(1) 14.5 in (37 cm) disc	(1) 17 in (43 cm) disc pad holder standard brushes available	(1) 20 in (50.8 cm) disc
Brush Motor	0.13 hp (100 W)	0.4 hp (300 W)	.32 hp (240 W)	M17E - .74 hp (550 W) M17B - .70 hp (520 W)	.65 hp (480 W)
Solution Tank	1.8 gal (7 L)	3 gal (11 L)	2.5 gal (9.5 L)	6 gal (23 L)	10.5 gal (39.75 L)
Recovery Tank	2.1 gal (8 L)	3.2 gal (12 L)	3 gal (11.35 L)	6 gal (23 L)	10.5 gal (39.75 L)
Vacuum Motor	0.60 hp (450 W)	1.2 hp (900 W)	.27 hp (200 W)	M17E - .6 hp (450 W) M17B - .44 hp (330 W)	.44 hp (330 W)
Sound Level	72.5 dB A	68 dB A	64 dB A	67 dB A	68 dB A
Drive System	Brush-Assist	Brush-Assist	Brush-Assist	Brush-Assist	Pad/Brush-Assist
Length	21.5 in (54.6 cm)	25 in (62 cm)	28 in (71.1 cm)	39.4 in (100 cm)	46.2 in (117.35 cm)
Width w/o squeegee	15.4 in (39 cm)	16 in (40 cm)	17 in (43.2 cm)	22.4 in (57 cm)	22 in (55.88 cm)
Height	14.6 in (37 cm)	19 in (48 cm)	18.5 in (47 cm)	33.1 in (73 cm)	38.6 in (98.04 cm)
Squeegee Width	(2) 15.2 in (38.5 cm)	17 in (44 cm)	18.7 in (47.5 cm)	M17E - 143 lb 65 kg	30 in (76.2 cm)
Weight	48.5 lb (22 kg)	84 lb (38 kg)	83 lb (38 kg) w/o batt 158 lb (72 kg) with batt	M17B - 138 lb (63 kg) 312 lb (142 kg) with batt	167 lb (75.75 kg) w/o batt 285 lb (129.27 kg) with batt

Models	Adfinity™ 20D	Adfinity™ X20D	Adfinity™ X20C	Adfinity™ X24D	Adfinity™ X20R REV™
Scrub Path(s)	20 in (50.8 cm)	20 in (50.8 cm)	20 in (50.8 cm)	24 in (61 cm)	20 in (50.8 cm)
Max Productivity - per hour (@ 3 mph/4.8 kph)	26,400 ft <sup>2</sup> (2,453 m <sup>2</sup> )	26,400 ft <sup>2</sup> (2,453 m <sup>2</sup> )	26,400 ft <sup>2</sup> (2,453 m <sup>2</sup> )	31,680 ft <sup>2</sup> (2,943 m <sup>2</sup> )	26,400 ft <sup>2</sup> (2,453 m <sup>2</sup> )
Scrub Head(s)	20 in (50.8 cm) pad holder standard; brushes available – 20D and X20D		(2) 20 in (50.8 cm) cylindrical	(2) 12 in (30.5 cm) pad holder standard brushes available	Dual Random Orbit
Brush Motor	.65 hp (480 W)	.65 hp (480 W)	.54 hp (400 W)	.47 hp (350 W)	.75 hp (560 W)
Solution Tank	14.5 gal (55 L)	14.5 gal (55 L)	14.5 gal (55 L)	14.5 gal (55 L)	10.5 gal (40 L)
Recovery Tank	14.5 gal (55 L)	14.5 gal (55 L)	14.5 gal (55 L)	14.5 gal (55 L)	10.5 gal (40 L)
Vacuum Motor	.44 hp (330 W)	.44 hp (330 W)	.44 hp (330 W)	.44 hp (330 W)	.44 hp (330 W)
Sound Level	65.8 dB A	65.8 dB A	65.8 dB A	65.8 dB A	65.8 dB A
Drive System	.3 hp (200 W) variable forward and reverse. Max speed 3.5 mph (5.6 km/hr), 16% gradeability – ALL Adfinity MODELS				
Length	52 in (132 cm)	52 in (132 cm)	49.2 in (125 cm)	51.6 in (131 cm)	48.3 in (122 cm)
Width (w/o squeegee)	21.3 in (54 cm)	21.3 in (54 cm)	22.4 in (57 cm)	25.6 in (65 cm)	21.3 in (54 cm)
Height	42.9 in (109 cm)	42.9 in (109 cm)	42.9 in (109 cm)	42.9 in (109 cm)	41.3 in (105 cm)
Squeegee Width	29.9 in (75.9 cm)	29.9 in (75.9 cm)	29.9 in (75.9 cm)	31.9 in (81.0 cm)	29.9 in (75.9 cm)
Weight	240 lb (109 kg) w/o batt. 346 lb (157 kg) w/ batt.	244 lb (111 kg) w/o batt. 350 lb (159 kg) w/ batt.	247 lb (112 kg) w/o batt. 362 lb (164 kg) w/ batt.	243 lb (110 kg) w/o batt. 374 lb (170 kg) w/ batt.	235 lb (107 kg) w/o batt. 372 lb (169 kg) w/ wet batt. / 416 lb (189 kg) w/ AGM batt.

Models	SC750™ 26D / SC750 ST 26D	SC750™ 28D	SC750™ 28C	SC750™ REV™	SC800™ 34D / SC800 ST 34D
Scrub Path(s)	26 in (66 cm)	28 in (71 cm)	28 in (71 cm)	28 in (71 cm)	34 in (86 cm)
Max Productivity - per hour (Theoretical) (@ 3.4 mph/5.5 kph)	38,900 ft <sup>2</sup> /hr (3,600 m <sup>2</sup> /hr)	41,900 ft <sup>2</sup> /hr (3,890 m <sup>2</sup> /hr)	41,900 ft <sup>2</sup> /hr (3,890 m <sup>2</sup> /hr)	41,900 ft <sup>2</sup> /hr (3,890 m <sup>2</sup> /hr)	50,900 ft <sup>2</sup> /hr (4,730 m <sup>2</sup> /hr)
Scrub Head(s)	(2) 13 in (33 cm) disc	(2) 14 in (35.5 cm) disc	(2) 27 in (68.6 cm) cyl	(2) 14 in (35.5 cm) disc	(2) 17 in (43.0 cm) disc
Brush Motor	0.75 (560 W)	0.75 (560 W)	0.75 (560 W)	(2) 0.74 hp (550 W)	0.75 (560 W)
Solution Tank	21 gal (80 L)	25 gal (95 L)			
Recovery Tank	21 gal (80 L)	25 gal (95 L)			
Vacuum Motor	0.66 hp (490 W) 3 stage				
Sound Level	61 dB A				
Drive System	0.39 hp (291 W)				
Length Standard Model	58.4 in (148 cm)	59.9 in (152 cm)	58.5 in (149 cm)	59.9 in (152 cm)	63.3 in (161 cm)
Length ST Model	56.6 in (144 cm)	58.1 in (148 cm)	56.8 in (144 cm)	56.8 in (144 cm)	61.5 in (156 cm)
Width (w/o squeegee)	35.5 (90 cm)	35.5 (90 cm)	35.5 (90 cm)	30.8 in (78 cm)	41.5 in (105 cm)
Height Standard Model	45.1 in (115 cm)				
Height ST Model	44.5 in (113 cm)				
Squeegee Width	35.5 (90 cm)	35.5 (90 cm)	35.5 (90 cm)	35.5 (90 cm)	41.5 (115 cm)
Weight	615 lb (280 kg)	643 lb (292 kg)			

Specifications are subject to change without notice.

## Technical Specifications

Models	Warrior™ 28D	Warrior™ 32D
Scrub Path	28 in (71 cm)	32 in (81 cm)
Max Productivity - per hour (@ 3 mph/4.8 kph)	36,960 ft <sup>2</sup> /hr (3,434 m <sup>2</sup> /hr)	42,240 ft <sup>2</sup> /hr (3,924 m <sup>2</sup> /hr)
Scrub Brush Size	28 in (71 cm)	32 in (81 cm)
Power Source	(6) 6 V batteries (wet acid and gel cell available)	(6) 6 V batteries (wet acid and gel cell available)
Brush Speed	220 rpm	220 rpm
Brush Pressure	variable to 250 lb (113 kg)	variable to 250 lb (113 kg)
Scrub Motors	0.75 hp (560 W)	0.75 hp (560 W)
Solution System	Precision-Flow electric pump – EcoFlex™ System (Pulse control gravity feed - Warrior ST)	
Solution Tank	30 gal (114 L)	30 gal (114 L)
Recovery Tank	30 gal (114 L)	30 gal (114 L)
Vacuum Motor	0.75 hp (560 W) 3-stage	0.75 hp (560 W) 3-stage
Sound Level	69 dB A with sound suppression kit or 71 dB A standard	
Drive System	0.5 hp (375 W) variable forward and reverse, max speed = 3 mph (4.83 km/hr)	0.5 hp (375 W) variable forward and reverse, max speed = 3 mph (4.83 km/hr)
Length	61.5 in (156 cm)/62.5 in (159 cm)	61.5 in (156 cm)/62.5 in (159 cm)
Width (w/o squeegee)	30.5 in (77 cm)/33 in (83 cm)	30.5 in (77 cm)/33 in (83 cm)
Height	45 in (114 cm)/45 in (114 cm)	45 in (114 cm)/45 in (114 cm)
Squeegee Width	41.9 in (106 cm)	41.9 in (106 cm)
Weight	914 lb (415 kg)	914 lb (415 kg)

Models	Advenger® 2805D/X2805D	Advenger® 3405D/X3405D	Advenger® 2805C/X2805C	Adgressor® 3520	Adgressor® 3820
Cleaning Path(s)	28 in (71 cm)	34 in (86.4 cm)	28 in (71 cm)	35 in (89 cm)	38 in (97 cm)
Max Productivity	39,424 ft <sup>2</sup> (3,663 m <sup>2</sup> ) @ 3.12 mph	47,872 ft <sup>2</sup> (4,448 m <sup>2</sup> ) @ 3.12 mph	39,424 ft <sup>2</sup> (3,663 m <sup>2</sup> ) @ 3.12 mph	61,600 ft <sup>2</sup> (5,720 m <sup>2</sup> ) @ 4 mph	66,880 ft <sup>2</sup> (6,210 m <sup>2</sup> ) @ 4 mph
Deck Style	Disc	Disc	Cylindrical	Disc and Cylindrical	Disc and Cylindrical
Power Source	(4) 6 V Batteries (wet acid and AGM available)	(4) 6 V Batteries (wet acid and AGM available)	(4) 6 V Batteries (wet acid and AGM available)	(6) 6 V Batteries (wet acid and AGM available)	(6) 6 V Batteries (wet acid and AGM available)
Solution Tank	28 gal (106 L)	28 gal (106 L)	28 gal (106 L)	42 gal (157 L)	42 gal (157 L)
Recovery Tank	29 gal (110 L)	29 gal (110 L)	29 gal (110 L)	42 gal (157 L)	42 gal (157 L)
Brush Pressure	Up to 220 lb (96 kg)	Up to 220 lb (96 kg)	Up to 100 lb (45 kg)	Up to 250 lb (113 kg)	Up to 250 lb (113 kg)
Drive System	1.05 hp	1.05 hp	1.05 hp	1.5 hp	1.5 hp
Vacuum Motor	0.75 hp	0.75 hp	0.75 hp	0.75 hp three stage Optional Dual Vac	0.75 hp three stage Optional Dual Vac
Minimum Aisle U-turn	63 in (160 cm)	67.5 in (171 cm)	63 in (160 cm)	65 in (165 cm)	68 in (173 cm)
Machine Dimensions (L x W x D)	60 in x 27.5 in x 51.7 in (152 cm) x (70 cm) x (131 cm)	60 in x 27.5 in x 51.7 in (152 cm) x (70 cm) x (131 cm)	60 in x 27.5 in x 51.7 in (152 cm) x (70 cm) x (131 cm)	61 in x 42.6 in x 53 in (155 cm x 93 cm x 160 cm)	61 in x 45.6 in x 53 in (155 cm x 93 cm x 160 cm)
Squeegee Width	32.6 in (83 cm)	41.4 in (105 cm)	32.6 in (83 cm)	42.1 in (160 cm)	45.1 in (171 cm)
Weight (with Batteries and solution)	1,451 lb (658 kg)	1,451 lb (658 kg)	1,451 lb (658 kg)	1,553 lb (705 kg)	1,553 lb (705 kg)

Models	SC3000™	2800 ST	3400 ST
Cleaning Path(s)	26 in (66 cm)	28 in (71 cm)	34 in (86 cm)
Max Productivity @ 3.12 mph	42,328 ft <sup>2</sup> (3,932 m <sup>2</sup> )	39,424 ft <sup>2</sup> (3,663 m <sup>2</sup> )	47,872 ft <sup>2</sup> (4,448 m <sup>2</sup> )
Deck Style	Disc	Disc	Disc
Power Source	(4) 6 V Batteries (wet acid and AGM available)	(4) 6 V Batteries (wet acid and AGM available)	(4) 6 V Batteries (wet acid and AGM available)
Solution Tank	21 gal (80 L)	28 gal (106 L)	28 gal (106 L)
Recovery Tank	21 gal (80 L)	29 gal (110 L)	29 gal (110 L)
Brush Pressure	65 (30 kg) and 105 lb (48 kg)	Up to 180 lb (82 kg)	Up to 205 lb (93 kg)
Drive System	0.54 hp	1.05 hp	1.05 hp
Vacuum Motor	0.56 hp	0.75 hp	0.75 hp
Minimum Aisle U-turn	59 in (150 cm)	63 in (160 cm)	67.5 in (171 cm)
Machine Dimensions (L x W x D)	53.5 in x 26.4 in x 47.3 in (136 cm) x (67 cm) x (120 cm)	60 in x 27.5 in x 51.7 in (152 cm) x (70 cm) x (131 cm)	60 in x 27.5 in x 51.7 in (152 cm) x (70 cm) x (131 cm)
Squeegee Width	35 in (89 cm)	32.6 in (83 cm)	41.4 in (105 cm)
Weight (with Batteries and solution)	984 lb (446 kg)	1,451 lb (658 kg)	1,451 lb (658 kg)





## SC750™ & SC800™ available with EcoFlex™ System

### Automatic Scrubbers

- Available in 26, 28 or 34 inch disc and 28 inch cylindrical scrub paths
- Smart Solutions or EcoFlex™ System on all machines
- Green cleaning and high productivity technology
- SC750 with 21 gallon (80 L) solution and recovery tanks
- SC800 with 25 gallon (95 L) solution and recovery tanks
- Safe 'N Dry squeegee system
- Self adjusting skirt on disc machines
- Heavy duty scrubbing performance



## SC3000™

### Compact Rider Scrubber

- 26 inch scrub path
- SafetyGlide™ deck automatically moves in the direction of turn
- Standard EcoFlex™ System reduces environmental impact and detergent costs
- 21 gallon solution and recovery tanks
- 65 and 61 dB A sound levels
- Integrated squeegee hanger
- Debris catch cage
- Onboard charger standard



## Advenger® available with EcoFlex™ System

### Rider Automatic Scrubbers

- Green cleaning and high productivity technology standard
- Optional EcoFlex™ System reduces environmental impact and detergent costs
- Tools-free interchangeable scrubs decks - 28 inch (71 cm) and 34 inch (86 cm) disc or 28 inch (71cm) cylindrical
- 28 gallon (106 L) solution and recovery tanks with Total Clean® technology
- One-Touch™ scrubbing with calibrated brush pressure and solution flow
- Patented Safe 'N Dry™ rear squeegee system



## Adgressor® available with EcoFlex™ System

### Rider Automatic Scrubbers

- Available in 35 or 38 inch disc scrub paths
- Optional EcoFlex™ System reduces environmental impact and detergent costs available on 28 and 32 inch sizes
- Easy to clean 42 gallon solution and recovery tanks
- 36 Volt battery system
- Rugged design with heavy gauge steel chassis and metal bumper
- Battery watering system standard on EcoFlex System models; Kit available as an option on non EcoFlex System machine



## Warrior™ available with EcoFlex™ System

### Walk-Behind Automatic Scrubbers

- Available in 28 and 32 inch scrub paths
- Tools-free interchangeable scrub decks
- Click-off disc scrub brushes (EcoFlex™ System models)
- 30 gallon solution and recovery tanks
- Tools-free removable nose cone
- Optional EcoFlex™ System reduces environmental impact and detergent costs
- Choice of onboard or free standing charger
- Simple and intuitive controls
- Soft-Touch™ paddle system
- Choice of wet-acid or maintenance-free gel batteries
- Whisper-quiet 71dB A sound level
- Ultra-Flow™ squeegee system
- Easy-access recovery tank



## 2800 ST and 3400 ST

### Rider Scrubbers

- Available with 28 inch (71 cm) and 34 inch (86 cm) scrub decks
- 28 gallon (106 L) solution and recovery tanks with Total Clean® technology
- Manual control of the scrub deck and rear squeegee eliminates complicated control boards
- Simplified one button control panel with minimal electronics
- Patented Safe 'N Dry™ rear squeegee system



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