

# 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



### Adfinity™ 20D/X20D/X20C/X24D

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
- AXP™ Onboard Detergent Dispensing System (X20D, X20C, X24D)
- Onboard Battery Charger
- Variable Pad Pressure on disc models
- Interchangeable Scrub Decks
- Tools-free removal of squeegee and squeegee blades



### 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



### Convertamatic® 24/26/28 C/D & 32D

Automatic Scrubbers

- Available in 24, 26 or 28 inch cylindrical and 24, 26, 28, or 32 inch disc scrub paths
- 20 gallon solution and recovery tanks
- Smart Solutions™ One-Touch™ scrubbing and programmable operator controls
- Tools free interchangeable scrub decks in disc or cylindrical
- Optional AXP™ Onboard Detergent System for enhanced safety, flexibility and productivity
- Battery watering system standard on AXP models



### Micromatic™ M17B/M17E

Automatic Scrubbers

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



### Adfinity™ 17ST/20ST

Automatic Scrubbers

- 17 and 20 inch disc scrub path
- 10.5 gallon solution and recovery tanks
- Smart Solutions™ Flow Rate
- Onboard Battery Charger
- Variable Pad Pressure
- Tools-free removal of squeegee and squeegee blades



### AXP™ features:

- Available on Convertamatics
- Onboard Detergent Dispensing System, standard with refillable cartridge for use with your current detergent program
- Magnetic dilution selector allows for pre-setting ratio of detergent to water
- Advance AXP detergents available in touch-free, recyclable 1.25 gallon cartridges
- AXP Neutral Cleaner – Green Seal Certified
- AXP Heavy Duty Cleaner/Degreaser



Smart cleaning.

A Nilfisk-Advance Brand

## Technical Specifications

Models	Micromatic™ 13E	Micromatic™ 14E	Micromatic™ M17B/M17E	Adfinity™ 17ST	Adfinity™ 20ST
Scrub Path(s)	13 in (33 cm)	14 in (36 cm)	17 in (43 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> )	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> )	22,440 ft <sup>2</sup> (2,085 m <sup>2</sup> ) @ 3 mph (4.8 kph)	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) 17 in (43 cm) disc pad holder standard brushes available	(1) 17 in (43.2 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)	M17E - .74 hp (550 W) M17B - .70 hp (520 W)	.65 hp (480 W)	.65 hp (480 W)
Solution Tank	1.8 gal (7 L)	3 gal (11 L)	6 gal (23 L)	10.5 gal (40 L)	10.5 gal (40 L)
Recovery Tank	2.1 gal (8 L)	3.2 gal (12 L)	6 gal (23 L)	10.5 gal (40 L)	10.5 gal (40 L)
Vacuum Motor	0.60 hp (450 W)	1.2 hp (900 W)	M17E - .6 hp (450 W) M17B - .44 hp (330 W)	.44 hp (330 W)	.44 hp (330 W)
Sound Level	72.5 dB A	68 dB A	67 dB A	65.8 dB A	65.8 dB A
Drive System	Brush-Assist	Brush-Assist	Brush-Assist	Pad/Brush-Assist	Pad/Brush-Assist
Length	21.5 in (54.6 cm)	25 in (62 cm)	39.4 in (100 cm)	46.8 in (119 cm)	48.3 in (122 cm)
Width w/o squeegee	15.4 in (39 cm)	16 in (40 cm)	22.4 in (57 cm)	20.1 (51 cm)	21.3 (54 cm)
Height	14.6 in (37 cm)	19 in (48 cm)	33.1 in (73 cm)	41.3 (105 cm)	41.3 (105 cm)
Squeegee Width	(2) 15.2 in (38.5 cm)	17 in (44 cm)	M17E - 143 lb 65 kg	29.9 in (75.9 cm)	29.9 in (75.9 cm)
Weight	48.5 lb (22 kg)	84 lb (38 kg)	M17B - 138 lb (63 kg) 312 lb (142 kg) with batt	194 lb (88 kg) w/o batt 314 lb (142 kg) with batt	194 lb (88 kg) w/o batt

Models	Adfinity™ 20D	Adfinity™ X20D	Adfinity™ X20C	Adfinity™ X24D
Scrub Path(s)	20 in (50.8 cm)	20 in (50.8 cm)	20 in (50.8 cm)	24 in (61 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> )
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
Brush Motor	.65 hp (480 W)	.65 hp (480 W)	.54 hp (400 W)	.47 hp (350 W)
Solution Tank	14.5 gal (55 L)	14.5 gal (55 L)	14.5 gal (55 L)	14.5 gal (55 L)
Recovery Tank	14.5 gal (55 L)	14.5 gal (55 L)	14.5 gal (55 L)	14.5 gal (55 L)
Vacuum Motor	.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
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)
Width (w/o squeegee)	21.3 in (54 cm)	21.3 in (54 cm)	22.4 in (57 cm)	25.6 in (65 cm)
Height	42.9 in (109 cm)	42.9 in (109 cm)	42.9 in (109 cm)	42.9 in (109 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)
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.

Models	Convertamatic® 24C/D	Convertamatic® 26C/D	Convertamatic® 28C/D	Convertamatic® 32D
Scrub Path(s)	24 in (61 cm)	26 in (66 cm)	28 in (71 cm)	32 in (81 cm)
Max Productivity - per hour (@ 2.8 mph/4.5 kph)	29,600 ft <sup>2</sup> (2,750 m <sup>2</sup> )	32,050 ft <sup>2</sup> (3,000 m <sup>2</sup> )	35,000 ft <sup>2</sup> (3,200 m <sup>2</sup> )	39,424 ft <sup>2</sup> (3,663 m <sup>2</sup> )
Scrub Head(s)	(2) 12 in (30.5 cm) disc (2) 23 in (58 cm) cyl	(2) 13 in (33 cm) disc (2) 25 in (64 cm) cyl	(2) 14 in (35.5 cm) disc (2) 27 in (69 cm) cyl	(2) 16 in (40.64 cm) disc
Brush Motor	(2) .50 hp (375 W)	(2) .50 hp (375 W)	(2) .50 hp (375 W)	(2) .50 hp (375 W)
Solution Tank	20 gal (76 L)	20 gal (76 L)	20 gal (76 L)	20 gal (76 L)
Recovery Tank	20 gal (76 L)	20 gal (76 L)	20 gal (76 L)	20 gal (76 L)
Vacuum Motor	.75 hp (560 W) 3 stage	.75 hp (560 W) 3 stage	.75 hp (560 W) 3 stage	.75 hp (560 W) 3 stage
Sound Level	66 dB A	66 dB A	66 dB A	66 dB A
Drive System	.4 hp (300 W) variable forward and reverse, max speed = 3 mph (4.83 km/hr), 10% gradeability – ALL Convertamatic MODELS			
Length	54.5 in (138 cm)	55 in (140 cm)	55.5 in (141 cm)	55.5 in (141 cm)
Width (w/o squeegee)	26 in (66 cm)	27.5 in (70 cm)	30 in (76 cm)	33.25 in (85 cm)
Height	44 in (112 cm)	44 in (112 cm)	44 in (112 cm)	44 in (112 cm)
Squeegee Width	32.6 in (83 cm)	36.6 in (93 cm)	36.6 in (93 cm)	36.6 in (93 cm)
Weight	581 lb (264 kg)	613 lb (278 kg)	613 lb (278 kg) cyl 617 lb (280 kg) disc	617 lb (280 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 – AXP (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	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	Adgressor® 3520	Adgressor® 3820
Cleaning Path(s)	35 in (89 cm)	38 in (97 cm)
Max Productivity (at 4 mph)	61,600 ft <sup>2</sup> (5,720 m <sup>2</sup> )	66,880 ft <sup>2</sup> (6,210 m <sup>2</sup> )
Deck Style	Disc and cylindrical	Disc and cylindrical
Power Source	(6) 6 V Batteries	(6) 6 V Batteries
Tank Capacity	42 gal (157 L)	42 gal (157 L)
Brush Pressure	Up to 250 lb (113 kg)	Up to 250 lb (113 kg)
Drive System	1.5 hp	1.5 hp
Vacuum Motor	0.75 hp three stage Optional Dual Vac	0.75 hp three stage Optional Dual Vac
Controls	One-Touch™ scrubbing, variable down pressure. All functions automatic with machine motion.	
Minimum Aisle U-turn	65 in (165 cm)	68 in (173 cm)
Machine Dimensions (L x W x D)	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	42.1 in (160 cm)	45.1 in (171 cm)
Weight (with Batteries and solution)	1,553 lb (705 kg)	1,553 lb (705 kg)

### Optional AXP™ Specifications

Solution Flow Rates	0.5 gpm (1.9 L/min), 1.1 gpm (4.1 L/min)
Dilution Ratios	32:1, 50:1, 64:1, 10:1, 128:1, 150:1, 200:1, 256:1, 300:1
Refillable Cartridge Capacity	1.25 gal (4.75 L)

Specifications are subject to change without notice.





### **Warrior™ ST & AXP™**

Walk-Behind Automatic Scrubbers

- Available in 28 and 32 inch scrub paths
- 30 gallon solution and recovery tanks
- Tools-free interchangeable scrub decks
- Optional onboard AXP™ detergent dispensing system



### **Adgressor® and Adgressor® AXP™**

Rider Automatic Scrubbers

- Available in 35 or 38 inch disc scrub paths
- Easy to clean 42 gallon solution and recovery tanks
- 36 Volt battery system
- Rugged design with heavy gauge steel chassis and metal bumper
- Adgressor® AXP™ available with factory installed AXP Onboard Detergent Dispensing System on 28 and 32 inch sizes
- Battery watering system standard on AXP machines; Kit available as an option on non AXP machine

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