



M17 Specifications

High-Performance Battery Sweeper-Scrubber

SCRUBBING SYSTEM

Cleaning path		
Scrubbing (main scrub deck)	40 in	1,015 mm
With scrubbing side brush	48 in	1,220 mm
Cylindrical main scrub brushes		
Brush speed	500 rpm	
Brush diameter (2)	9 in	230 mm
Brush down force (up to)	550 lb	250 kg
Brush motors, brushless (2)	1.5 hp	1.125 kW
Motor rating	IP44	
Debris hopper	0.7 ft ³	20 L
Disk main scrub brushes		
Brush speed	315 rpm	
Brush size diameter (2)	20 in	510 mm
Brush down force (up to)	550 lb	250 kg
Brush motor, brushless (2)	1.5 hp	1.125 kW
Motor rating	IP44	
Tanks		
Solution tank	75 gal	285 L
Solution capacity (ES [®])	115 gal	435 L
Recovery tank	91.1 gal	346 L
Demisting chamber	16.1 gal	61 L
Vacuum fans – water recovery (dual)		
Speed	2 x .8 hp	2 x .6 kW
Water lift	14,500 rpm	
	65 in	1,650 mm

SWEEPING SYSTEMS

Dual Force Sweeping (DFS™) Technology		
Sweeping (main sweeping system)	36 in	915 mm
With dual sweeping side brush	67 in	1,700 mm
Direct Throw Sweeping		
Sweeping (main sweeping system)	35 in	889 mm
With dual sweeping side brush	67 in	1,700 mm
Other Sweeping System Specs:		
Side sweeping broom diameter	20 in	520 mm
Debris capacity (light litter)	3.0 ft ³	85 L
Dump height (variable to)	60 in	1,525 mm
Lift capacity	300 lb	136 kg
Filter canister	54.9 ft ²	5.1 m ²
Vacuum fan (brushless maintenance free)	1.1 hp	0.85 kW

PROPELLING SYSTEM

Propel speed forward (transport variable to)	5.5 mph	9 km / h
Propel speed forward (scrubbing variable to)	4.0 mph	6.5 km / h
Propel speed reverse (variable to)	3 mph	5 km / h
Propel motor	3.0 hp	2.25 kW
Speed control	Electronic - AC	
Gradeability – Dual Force System		
Transport (Scrubbing)	6.0 deg	10.5%
Transport (Empty*)	7.5 deg	13%
Transport (Trailer loading*)	11.5 deg	20%
Gradeability – Direct Throw System		
Transport (Scrubbing)	3.0 deg	5.0%
Transport (Empty*)	7.5 deg	13%
Transport (Trailer loading*)	7.5 deg	13%

*Sweep hopper must be lifted prior to going on the ramp

Ground clearance (transport)	2.5 in	64 mm
Tire front (1), non-marking	13.8 x 5.8 in	350 x 150 mm
Tires rear (2), non-marking	15 x 5 in	380 x 125 mm

BATTERY SELECTIONS (est. continuous runtime: economy mode, sweeping/scrubbing simultaneously, independent function would be longer)

Optional Wet battery packages	(up to 1.9 hrs)	36V, 510 AH C6
	(up to 3.1 hrs)	36V, 750 AH C6
	(up to 4.1 hrs)	36V, 930 AH C6
Optional Lithium-ion batteries	(up to 7.3 hrs)	38.8 kWh (1049 AH)

SOUND LEVEL

Operator's ear*: 75 dBA; Kpa 3 dBA
 Sound pressure level tested per IEC 60335-2-72
 *Disk unit, vacuum on (water pick up and dust control), squeegee down, brushes on, brushes up

MACHINE DIMENSIONS

Length basic machine	112.8 in	2,865 mm
Width		
Body	54 in	1,370 mm
Body (with side scrub brush)	55.3 in	1,405 mm
Rear squeegee (hard width)	49 in	1,245 mm
Height (top of steering wheel)	58.25 in	1,480 mm
With overhead guard	82.5 in	2,096 mm
Weight		
Empty (no battery)	3,335 lb	1,515 kg
With 510 AH wet batteries	4,770 lb	2,165 kg
With 930 AH wet batteries	5,450 lb	2,475 kg
Gross vehicle weight (GVW)	7,150 lb	3,245 kg
Minimum aisle turn	118.25 in	3,003 mm

STANDARD FEATURES

1-Step™ control module	Onboard diagnostics
Touch-N-Go™ wheel mounted module	Wheel mounted horn
Recovery tank full indicator	Wheel-mounted water shut-Off
Solution tank empty indicator	Full wrap steel bumper
Non-marking drive wheel	Cushioned stacked corner rollers (front)
Yellow maintenance touch points	Manual parking brake
Recovery tank debris tray	Duramer™ tanks & shrouds
In-line vacuum fan filter	Variable flow tank drains
Tracking rear parabolic squeegee	No-tool squeegee change
SmartRelease™ breakaway rear squeegee	No-tool brush change
Underwriters Laboratory (UL [®]) E certified	Automatic filter shaker
Dual Force Sweeping (DFS™)	

OPTIONAL EQUIPMENT

Direct Throw Sweeping	Pro-Panel™ controls
S.E. (Severe Environment™) switch	ec-H2O™ solution system
Solution auto fill system	IRIS® solution*
Scrubbing side brush	Fuel cell ready
Pressure washer (2500 psi)	Battery quick disconnect
Spray hose (10 ft/3 m) w/retracting reel	Battery watering system
Wet Vacuum Wand	Opportunity charging
Live Vacuum Wand (Dry)	Slide-out battery system
FOPS certified overhead guard	Heavy-duty rear squeegee guard
High traction rear tire(s)	Deluxe seat w/armrests & seatbelt
AV backup alarm (LED)	Headlights (LED)
Fire extinguisher	ES® Extended Scrub w/detergent metering
Underwriters Laboratory (UL [®]) T type ES Certified	

*Available in select regions

WARRANTY

Please refer to your local Tennant representative for information.

For a complete selection of genuine Tennant brushes and pads, please consult the *M17 Parts and Consumables Reference Guide*