



T16AMR Specifications

Autonomous Battery Ride-On Floor Scrubber

SCRUBBING SYSTEM

Cleaning path 36 in | 910 mm

Cylindrical main brushes

Brush speed 500 rpm
 Brush diameter (2) 8 in | 205mm
 Brush down pressure (up to) 200 lb | 91 kg
 Brush motor (2) 1.0 hp | 0.75 kW
 Debris Hopper 0.5 ft³ | 14 L

Tanks

Solution tank 50 gal | 190 L
 Recovery tank 60 gal | 225 L
 Demisting chamber 10 gal | 38 L

Vacuum fan

Speed 0.75 hp | 0.56 kW
 14,000 rpm
 Water lift 65 in | 1,650 mm

PROPELLING SYSTEM

Manual Mode

Propel speed forward (variable to) 4.0 mph | 6.4 km / h
 Propel speed reverse (variable to) 1.8 mph | 2.9 km / h

Autonomous Mode

Propel speed forward (variable to) 2.23 mph | 2.9 km / h

Propel motor

Speed control 1.5 hp | 1.1 kW
 Electronic - DC

Gradeability

Transport (empty for trailering) 9.0 deg / 15.8%
 Transport at gross weight 5.0 deg / 8.7%
 Working (scrubbing) 4.0 deg / 7.0%

Ground clearance (transport)

1.5 in | 31 mm

Tire front (1), non-marking

3.5 x 10 in | 90 x 250 mm

Tires rear (2), solid

4 x 12 in | 102 x 300 mm

AUTONOMOUS MANEUVERABILITY

Pass Through Clearance 4.75 ft | 1.45 m
 90 degree aisle entrance clearance 6.25 ft | 1.9 m
 Minimum aisle U-Turn 11.25 ft | 3.43 m

BATTERY SELECTIONS (runtime: economy mode)

Battery options

Standard Capacity Flooded Battery pack (4.0 hrs) 36V, 360 AH
 High Capacity Lithium-Ion Battery (5.5 hrs) 12.2 kWh (331 AH)

LITHIUM SPECIFIC INFORMATION

Lithium Battery Pack (11.5kWh)
 High Capacity Off Board Charger
 (Li Pack only - 4 hour recharge time)
 Equipped with Opportunity Charge Port
 Battery chargers available for standard and all optional batteries

SOUND LEVEL

Operator's ear
 Cylindrical: Mode #1 71 dBA
Sound pressure level tested per ISO 11201 as recommended by the AACEM and OSHA

MACHINE DIMENSIONS

Length 80 in | 2,030 mm

Width

Body 42 in | 1,070 mm
 Rear squeegee (hard width) 42 in | 1,070 mm

Height

58 in | 1,475 mm

Weight

Empty 1,140 lb | 520 kg
 With standard 360AH batteries 1,725 lb | 785 kg
 With optional 11.5 kWh Li batteries 1,400 lb | 635 kg
 Gross Vehicle Weight (GVW) 2,475 lb | 1,125 kg

Minimum aisle turn (Manual)

83 in | 2,110 mm

Minimum aisle turn (Autonomous)

135 in | 3,430 mm

STANDARD FEATURES

ec-H₂O NanoClean[®] Solution System Solution Tank Empty Indicator
 1-Step™ Scrub Operation Recovery Tank Full Indicator
 SmartRelease™ Breakaway Rear Squeegee No-Tool Brush Change
 High Visibility Maintenance Touch Points Non Marking Drive Wheel
 Recovery Tank Debris Tray Duramer™ Hygienic Tanks
 In-Line Vacuum Fan Filter Adjustable Flow Drain Cuffs
 Dura-Track™ Parabolic Squeegee No-Tool Squeegee Change
 Tubular Steel Rear Squeegee Guard Automatic Parking Brake
 Back-Up Rear Safety AV Module (LED) Soft Corner Rollers (front)
 Forward Blue Warning Light (LED) Head Light (LED)

UL Listed to the UL/CSA 60335-2-72 safety standard and OSHA recognized CSA/ANSI C22.2 No. 336 autonomous cleaning equipment standard under UL File E358987

AUTONOMOUS FEATURES

Manual & Autonomous Operation Touch Screen w/Security PIN
 Blue Start/Stop Button Anti Joy-Ride Protection
 Removeable Key During Autonomous Operation On-Board Videos
 10 Home Markers w/6 Routes/Marker Mobile Device Pairing for Alerts
 Connected and Repeat Route Capability Area Fill Capability
 Custom Route Labeling

WARRANTY

Please refer to your local Tennant representative for information.

For a complete selection of genuine Tennant brushes and pads, please consult the *T16 Parts and Consumables Reference Guide*