



# 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 ft<sup>3</sup> | 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  
Water lift 14,000 rpm  
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 | 3.6 km / h

#### Propel motor

1.5 hp | 1.1 kW

#### Speed control

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*