



# T16AMR Specifications

## Autonomous Battery Ride-On Floor Scrubber-Dryer

### SCRUBBING SYSTEM

Cleaning path 36 in | 910 mm

#### Cylindrical main brushes

Brush speed 500 rpm  
 Brush diameter (2) 8 in | 205 mm  
 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 0,8 hp | 0,6 kW  
 14.000 rpm  
 Water lift 65 in | 1.650 mm

### PROPELLING SYSTEM

#### Manual Mode

Propel speed forward (variable to) 3,8 mph | 6,1 km / h  
 Propel speed reverse (variable to) 2,5 mph | 4,0 km / h

#### Autonomous Mode

Propel speed forward (variable to) 2,2 mph | 3,5 km / h

#### Propel motor

Speed control 1,5 hp | 1,1 kW  
 Electronic - DC

#### Gradeability

Transport (empty for trailering) 7,0° / 12,3%  
 Transport at gross weight 5,0° / 8,75%  
 Working (scrubbing) 4,0° / 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 (runtime: economy mode)

Flooded Battery pack (4,0 hrs.) 36V, 360 AH C20  
 Off-Board Charger 25A 100-240V AC 50/60Hz 1Ph

### FULL SOLUTION TANK DURATION (ec-H2O NanoClean)

Solution Flow Rate  
 Low (1,32 L/m) 2h 20m  
 Medium (1,67 L/m) 1h 50m  
 High (2,00 L/m) 1h 30m

### SOUND LEVEL

Operator's ear  
 Sound pressure level LpA 66 dBA  
 Sound pressure uncertainty KpA 4 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 1.165 lb | 528 kg  
 With standard 360AH batteries 1.725 lb | 785 kg  
 Gross Vehicle Weight (GVW) 2.465 lb | 1.118 kg

### STANDARD FEATURES

Flooded Battery Pack with Battery Watering Kit Off-Board Charger  
 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)  
 Polypropylene Brushes

### AUTONOMOUS FEATURES

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

### WARRANTY

Please refer to your local Tennant representative for information.

*For a complete selection of genuine Tennant brushes and other aftermarket parts, please consult the T16AMR parts manual.*