



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 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 0,8 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.