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^3 | 14 L
Tanks	
Solution tank	50 gal | 190 L
Recovery tank	60 gal | 225 L
Demisting chamber	10 gal | 38 L
Vacuum fan	0,8 hp | 0,6 kW
Speed	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	1,5 hp | 1,1 kW
Speed control	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
Minimum aisle turn (Manual)	83 in | 2.110 mm
Minimum aisle turn (Autonomous)	135 in | 3.430 mm

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.

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