



S16 Specifications

Compact Ride-On Sweeper

SWEEPEING SYSTEM

Type	Over throw
Cleaning path-single side brush	46-inch 1,170 mm
Cleaning path-dual side brush	60-inch 1,520 mm
Coverage rate per hour-single side brush	
Average (3 mph / 4.8 km/h, 3-inch / 76 mm overlap)	56,760 ft ² 5,270 m ²
Maximum (full speed, no overlap)	111,320 ft ² 10,340 m ²
Coverage rate per hour-dual side brush	
Average (3 mph / 4.8 km/h, 3-inch / 76 mm overlap)	75,240 ft ² 6,990 m ²
Maximum (full speed, no overlap)	145,200 ft ² 13,490 m ²
Main brush length (tubular)	32-inch 810 mm
Main brush lift	Electric, MaxPro™
Main brush change	No-tool
Side broom diameter (disk)	20-inch 510 mm
Hopper volume capacity	5.3 ft ³ 150 L
Hopper weight capacity (high-dump)	350 lbs 159 kgs
Hopper weight capacity (low-dump)	200 lbs 91 kgs
Maximum hopper dump height (high-dump)	61.8-inch 1,570 mm
Hopper dump reach	29.1-inch 740 mm

PROPELLING SYSTEM

Power source	Battery, 36 volts
Propel motor	Electric, AC drive, 1.2kW, 1.6 HP
Propel speed forward (variable to)	5.5 mph 8.8 km/h
Propel speed reverse (variable to)	3.0 mph 4.8 km/h
Gradeability full hopper	10.0 deg 17.6%
Gradeability empty hopper	12.0 deg 21.3%
Ground clearance (high-dump)	2.5-inch 64 mm
Ground clearance (low-dump)	3.0-inch 76 mm
Tires front (1), solid non-marking	4x12-inch 102x300 mm
Tire rear (2), solid	4x12-inch 102x300 mm

DUST CONTROL SYSTEM

Filter system (multi-stage)	
Stage 1	Perma-Filter™
Stage 2	Panel Filter
Stage 3 (optional)	HEPA Filter
Panel Filter area	97.0 ft ² 9.0 m ²
Panel Filter Dust filtration (to)	1 Micron @ 97.7% efficiency
Optional HEPA Filter area	50.0 ft ² 4.6 m ²
Optional HEPA Filter Dust filtration (to)	0.3 Microns @ 99.97% efficiency
Shaker mechanism	Timed, shaker plate
Vacuum fan	0.6kW
Vacuum fan diameter	4.9-inch 124 mm
Vacuum fan speed	
Normal sweeping mode	12,000 rpm
Eco-Mode™	10,000 rpm

BATTERY & CHARGER (runtime: Eco-Mode™)

Base batteries	(up to 3.9 hours) 240 AH
High-capacity batteries	(up to 6.5 hours) 360 AH

Onboard and offboard battery chargers available for base and high-capacity batteries.

MACHINE DIMENSIONS

Length	7 1-inch 1,815 mm
Width	45-inch 1,165 mm
Height without overhead guard	58-inch 1,500 mm
Height with overhead guard	82.5-inch 2,095 mm
Weight	
Net (high-dump, base batteries)	2,150 lbs 975 kgs
Net (low-dump, base batteries)	1,940 lbs 880 kgs
Minimum Aisle Turn	84-inch 2,130 mm

SAFETY SYSTEM

Fire protection	Thermo-Sentry™
Safety certification	UL label type E
Propel speed when dumping	1.5 mph 2.4 km/h
Seat switch	Standard
Horn	Standard
Power shutdown switch	Standard
Hopper safe to dump light	Standard (high-dump)
Hands-clear hopper dump controls	Standard (high-dump)
Noise level	as low as 67 dBA

STANDARD PRODUCT FEATURES

Retractable right-hand side brush	Hour meter
Worn brush indicator light	Removable side panels
Flap and trap debris pedal	Soft corner rollers all-around
1-Step™ control module	Battery charge level indicator
MaxPro™ sweeping technology	Perma-Filter™
No-tool brush change	Automatic parking brake
Stainless steel high-dump hopper	Cup holders
Duramer™ low-dump hopper	Wet sweeping bypass
Yellow maintenance touch points	Onboard diagnostics

OPTIONAL EQUIPMENT

Audio-visual backup alarm	Vacuum wand
Silica dust packages	Carpet care package
Light packages	Dual hopper bins (low-dump)
Deluxe seat with seatbelt	Light litter debris skirt
Overhead guard (FOPS)	Fire extinguisher
Dual side brushes	UL Type ES Certification
Smart-Fill™ automatic battery watering	IRIS® Asset Manager

WARRANTY

Please refer to your local Tennant representative for information.

For a complete selection of genuine Tennant brushes and other parts, please consult the Tennant *Parts and Consumables Reference Guide*.