S16 Specifications

Compact Ride-On Sweeper

SWEEPEING SYSTEM

Type	Over throw
Cleaning path-single side brush	1.170 mm
Cleaning path-dual side brush	1.520 mm
Coverage rate per hour-single side brush	
Average (4,8 km/h, 76 mm overlap)	5.270 m²
Maximum (full speed, no overlap)	10.340 m²
Coverage rate per hour-dual side brush	
Average (4,8 km/h, 76 mm overlap)	6.990 m²
Maximum (full speed, no overlap)	13.490 m²
Main brush length (tubular)	810 mm
Main brush lift	Electric, MaxPro™
Main brush change	No-tool
Side broom diameter (disk)	510 mm
Hopper volume capacity	150 L
Hopper weight capacity (high-dump)	159 kgs
Hopper weight capacity (low-dump)	91 kgs
Maximum hopper dump height (high-dump)	1.570 mm
Hopper dump reach	740 mm

PROPELLING SYSTEM

Power source	Battery, 36 volts
Propel motor	Electric, AC drive, 1,2kW, 1,6 HP
Propel speed forward (variable to)	8,8 km/h
Propel speed reverse (variable to)	4,8 km/h
Gradeability full hopper	10,0° | 17,6%
Gradeability empty hopper	12.0° | 21.3%
Ground clearance (high-dump)	64 mm
Ground clearance (low-dump)	76 mm
Tires front (1), solid non-marking	102 x 300 mm
Tire rear (2), solid	102 x 300 mm

DUST CONTROL SYSTEM

Filter system (multi-stage)	
Stage 1	Perma-Filter™
Stage 2	Panel Filter
Stage 3 (optional)	HEPA Filter
Panel Filter area	9,0 m²
Panel Filter Dust filtration (to)	1 µm @ 97,7% efficiency
Optional HEPA Filter area	4,6 m²
Optional HEPA Filter Dust filtration (to)	0,3 µm @ 99,95% efficiency (H13)
Shaker mechanism	Timed, shaker plate
Vacuum fan	0,6kW
Vacuum fan diameter	124 mm
Vacuum fan speed	
Normal sweeping mode	12.000 rpm
Eco-Mode™	10.000 rpm

BATTERY & CHARGER (runtime: Eco-Mode™)

Gel batteries	180Ah (up to 3,46 hours) - 240Ah (up to 4,48 hours)
Wet batteries	180Ah (up to 3,46 hours) 240Ah (up to 5,06 hours-

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

MACHINE DIMENSIONS

Length	1.815 mm
Width	1.165 mm
Height without overhead guard	1.500 mm
Height with overhead guard	2.095 mm
Weight	
Net (high-dump, base batteries)	975 kg
Net (low-dump, base batteries)	880 kg
Minimum Aisle Turn	2.130 mm

SAFETY SYSTEM

Fire protection	Thermo-Sentry™
Safety certification	CE
Propel speed when dumping	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
Audio-visual backup alarm	

OPTIONAL EQUIPMENT

IRIS® Fleet Manager	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 certified)	Dual side brushes

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.*

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