# 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.*

Rev 8/20
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