



M20 Specifications | Industrial Rider Sweeper-Scrubber

INTEGRATED CLEANING SYSTEM

| | |
|-----------------------------|----------------------|
| Cleaning path | 40 in 1,020 mm |
| With scrubbing side brush | 54 in 1,370 mm |
| With sweeping side brush | 56 in 1,420 mm |
| Cylindrical main brushes | |
| Brush speed | 480 rpm |
| Brush diameter (2) | 12 in 300 mm |
| Brush down pressure (up to) | 390 lb 177 kg |
| Side brush | |
| Brush speed | 150 rpm |
| Brush diameter – scrubbing | 16 in 410 mm |
| Brush diameter – sweeping | 21 in 533 mm |
| Tanks | |
| Solution tank | 56 gal 212 L |
| Solution capacity with ES® | 74 gal 280 L |
| Recovery tank | 73 gal 276 L |
| Demisting chamber | 16 gal 61 L |
| Debris hopper | |
| Volume capacity | 3.9 ft³ 110 L |
| Weight capacity | 390 lb 177 kg |
| Dump height (variable to) | 60 in 1,520 mm |
| Vacuum fans | |
| Scrubbing fan speed | 11,000 rpm |
| Scrubbing fan water lift | 35 in 890 mm |
| Sweeping fan speed | 6,500 rpm |
| Sweeping fan airflow | 290 cfm 8.2 m³/min |

DUST CONTROL SYSTEM

| | |
|------------------------------|----------------------------|
| Filter system | Synthetic fiber panel |
| Filter area | 78 ft² 7.3 m² |
| Dust filtration (to) | 3 microns @ 99% efficiency |
| Monitoring | Yes |
| Shaker mechanism (automatic) | Timed, beater bar |
| Wet sweeping | Integrated |

PROPELLING SYSTEM

| | |
|---------------------------------------|----------------------------|
| Propel speed forward (variable up to) | 8.0 mph 12.9 km/h |
| Propel speed reverse (variable up to) | 3.0 mph 4.8 km/h |
| Engine - LPG (2.0 L) | 50 hp 37.3 Kw |
| Engine - diesel (1.5 L) | 24.8 hp 18.5 kW |
| Gradeability | |
| Transport at gross weight | 10.0 deg 18.0% |
| Working (cleaning) | 8.0 deg 14% |
| Ground clearance (transport) | 3 in 80 mm |
| Tire front (1), solid | 18 x 5.5 in 460 x 140 mm |
| Tires rear (2), solid | 16 x 3.5 in 410 x 90 mm |

MACHINE DIMENSIONS

| | |
|---------------------|---------------------|
| Length | 95 in 2,410 mm |
| Width | |
| Frame | 50 in 1,270 mm |
| Rear squeegee | 51 in 1,300 mm |
| With side brush | 58 in 1,473 mm |
| Height | 58 in 1,473 mm |
| With overhead guard | 83.5 in 2,120 mm |
| Weight – empty | 3,300 lb 1,497 kg |
| Minimum aisle turn | 110 in 2,790 mm |

STANDARD FEATURES

1-Step™ one button sweep/scrub operation
 Touch-n-Go™ wheel-mounted module
 Wheel-mounted horn
 Wheel-mounted water shut-off
 No-tool squeegee change
 No-tool brush change
 Yellow maintenance touch points
 Demisting chamber
 Dual vacuum fans
 Dura-Track™ parabolic rear squeegee
 Cushion rollers
 Fire extinguisher
 SmartRelease™ breakaway squeegee system
 FloorSmart® integrated cleaning system technology
 Headlights and taillights
 High-density Duramer™ exterior
 InstantAccess™ filter change
 MaxPro2™ hydraulic technology
 Thermo-Sentry™
 AV backup alarm (LED)
 Edge cleaning – scrubbing or sweeping side brush

OPTIONAL EQUIPMENT

Pro-Panel™ controls
 ec-H2O™ solution system
 ES® Extended Scrub w/detergent metering
 Hopper cleanout tool
 Overhead guard
 Power wand
 Vacuum wand (wet pick-up)
 Safety warning light
 Squeegee protection kit
 Spray hose – 15 ft / 5 m
 Pressure washer (2200 psi / 150 bar) with 25 ft (7.0 m) hose
 IRIS® solution*
 *Available in select regions

WARRANTY

Please refer to your local Tennant representative for information.

For a complete selection of genuine Tennant brushes and pads, please consult the *M20 Parts and Consumables Reference Guide*.