



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 ft ³ 110 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 m ³ /min

DUST CONTROL SYSTEM

Filter system	Synthetic fiber panel
Filter area	78 ft ² 7.3 m ²
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-gasoline (2.0 L)	
Gross Intermittent Power*	50.7 hp / 37.8 kw @ 2800 rpm
Tennant Governed Power	40.6 hp / 30.3 kw @ 2300 rpm
Engine-LPG (2.0 L)	
Gross Intermittent Power*	51.6 hp / 38.5 kw @ 2800 rpm
Tennant Governed Power	42.4 hp / 31.6 kw @ 2300 rpm
Engine-diesel (1.5 L)	
Gross Intermittent Power*	24.8 hp / 18.5 kW @2300 rpm
Tennant Governed Power	24.8 hp / 18.5 kW @2300 rpm
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

*Per SAE J1995

**Available in select region

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™
 Underwriters Laboratory (UL[®]) certified

OPTIONAL EQUIPMENT

Pro-Panel™ controls
 ec-H2O™ solution system
 ES[®] Extended Scrub w/detergent metering
 AV backup alarm (LED)
 Edge cleaning – scrubbing or sweeping side brush
 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) with 25 ft (7.0 m) hose
 IRIS[®] solution**
 Underwriters Laboratory (UL[®]) Type LPS Certified
 Wet Only with Conservation (WOC) Functionality

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*.