



# Model M20 Specifications

## INDUSTRIAL RIDER SCRUBBER-SWEEPER

### 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
Disk side brush	
Brush speed	150 rpm
Brush diameter – scrubbing	16 in   410 mm
Brush diameter – sweeping	21 in   530 mm
Tanks	
Solution tank	56 gal   212 L
Solution capacity with ES <sup>®</sup>	74 gal   280 L
Recovery tank	73 gal   276 L
Demisting chamber	16 gal   61 L
Debris hopper	
Volume capacity	3.9 ft <sup>3</sup>   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 <sup>3</sup> /min

### DUST CONTROL SYSTEM

Filter system	Synthetic fiber panel
Filter area	78 ft <sup>2</sup>   7.3 m <sup>2</sup>
Dust filtration (to)	3 microns at 99% efficiency
Monitoring	Yes
Shaker mechanism (automatic)	Timed, beater bar

### 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/LPG (1.6 L)	55 hp   41 kW
Engine-diesel (Kubota)	37.5 hp   28 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

### SOUND LEVEL

Operator's Ear	81 dBA
<i>Sound pressure level tested per ISO 11201 as recommended by the AACEM and OSHA.</i>	

### 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   1,470 mm
Height	58 in   1,470 mm
With overhead guard	83.5 in   2,120 mm
Weight – empty	3,300 lb   1,497 kg
Weight – GVW	5,200 lb   2,359 kg
Minimum aisle turn	110 in   2,790 mm

### STANDARD FEATURES

1-STEP™ scrubbing/sweeping operation  
 Demisting chamber  
 Dual vacuum fans  
 Dura-Track™ parabolic, breakaway rear squeegee  
 Duramer™ exterior and hopper  
 EasyOpen™ service access  
 ErgoSpace™ operator compartment w/ deluxe seat  
 FaST™ - Foam-activated Scrubbing Technology  
 FloorSmart™ cleaning system  
 Grip-N-Go™ corner rollers  
 Headlights and LED taillights w/ back-up alert  
 Hygenic<sup>®</sup> solution and recovery tanks  
 InstantAccess™ filter change  
 MaxPro<sup>2</sup>™ hydraulic technology  
 Touch-N-Go™ control panel  
 Thermo-Sentry™ hopper fire sensor  
 Variable Drain Valves™ - solution and recovery  
 Underwriter's Laboratory (UL<sup>®</sup>) certified

### OPTIONAL EQUIPMENT

Audio back-up alarm  
 Custom paint  
 ES<sup>®</sup> - Extended Scrub system (not with FaST™)  
 Fire extinguisher  
 Flashing warning light  
 Overhead guard  
 Safety warning light  
 Side Brush - Edge cleaning for scrubbing or sweeping  
 Spray hose – 15 ft / 5 m w/ cleanout tool  
 Squeegee protection kit  
 Squeegee vacuum wand  
 Strobing warning light  
 Tire Options

### WARRANTY

Please refer to your local Tennant representative for information

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