

**CITY OF NOVI CITY COUNCIL
DECEMBER 9, 2019**

SUBJECT: Approval to purchase a Tennant M-M30 Floor Sweeper/Scrubber from Tennant Sales and Service Company, through the Minnesota State contract 135743, in the amount of \$68,747.84.

SUBMITTING DEPARTMENT: Department of Public Works, Fleet Division

EXPENDITURE REQUIRED	\$ 34,373.92 General Fund \$ 34,373.92 Water & Sewer Fund \$ 68,747.84 TOTAL
AMOUNT BUDGETED	\$ 34,374 General Fund \$ 34,374 Water & Sewer Fund \$ 68,748 TOTAL
APPROPRIATION REQUIRED	\$ 0
LINE ITEM NUMBER	101-442.30-982.046 592-592.00-982.046

BACKGROUND INFORMATION: The recent Department of Public Works (DPW) facility renovation increased the indoor garage floor space from 13,000 square feet to approximately 45,000 square feet. In order to keep the concrete floors, vehicles, floor drains, and HVAC filtration clean, DPW Fleet Division recommends the purchase of a new Tennant M-M30 Floor Sweeper/ Scrubber.

This machine will allow DPW staff to maintain a clean environment for worker safety, and working conditions. Since the machine only requires one crew member to operate, it will also save time and water. Currently, DPW staff hand sweeps and/or rinses down the floors, which requires several crew members and is a labor intensive task. The Tennant machine applies cleaning solution, scrubs, and rinses the floor, using significantly less product and water in the process. The cleaning should also help reduce sediment accumulation in the drains and sumps; thereby, reducing the frequency of cleaning and maintaining those appurtenances.

RECOMMENDED ACTION: Approval to Purchase a Tennant M-M30 Floor Sweeper/Scrubber from Tennant Sales and Service Company, through the Minnesota State contract 135743, in the Amount of \$68,747.84.



109 x 789

GapVax
MC1510

TYMCO
WACO TEXAS
U.S.A.

TYMCO
WACO TEXAS
U.S.A.

MICHIGAN
036 x 562



Tennant Sales and Service Company
 701 N. Lilac Drive
 Minneapolis, MN 55422 USA
 Tel: 1-800-553-8033
 Fax: 1-763-513-2142

Quotation

Ship-To
 CITY OF NOVI
 26300 DELWAL DR
 NOVI MI 48375

Customer Number 4088944
 CITY OF NOVI
 26300 DELWAL DR
 NOVI MI 48375

Quotation Number 24790347
Quotation Date 09/30/2019
Valid Until 11/30/2019
PO Number QUOTE M30

Buyer MICHAEL RHATIGAN
Tel 248-567-0395
Delivery Terms
 FOB SHIPPING PT FRT PPD & ADD
Payment Terms
 Net 30 Days
Currency US Dollars

Bill-To
 CITY OF NOVI
 26300 DELWAL DR
 NOVI MI 48375

Qty	Unit	Material	Description	Unit Price	Extended Value
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Notes
 MN STATE CONTRACT 135743

1	PC	M-M30	MODEL MM30 SWEEPER/SCRUBBER		
		Reference Number:	M30-LP		
		Machine as equipped			
		Trim Level	Membrane Panel		
		Cleaning Technology	Conventional		
		Squeegee Material	Linatex		
		Power Source	LPG		
		LPG Tank	Full		
		UL/ETL Rating	UL Type LP		
		Side Brush Type	Scrubbing		
		Side Brush Location	Right Hand		
		Dust Control System	Dry		
		Heavy Duty Squeegee Protection	Yes		
		Front Tire(s)	High Traction		
		Rear Tire(s)	Solid Rubber		
		Warning Lights and Alarms	AV BU Alarm-Flash on Tank		
		Cleaning Tool	Polypropylene Brush		
		Side Cleaning Tool	Polypropylene Brush		
		Warranty	Standard Warranty		

Prepared By: LUANA WHITEIS, Customer Service Representative



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Qty	Unit	Material	Description	Unit Price	Extended Value
		Operator Manual	English		
		Operator Video	Yes		
		Packaging	Pad Wrap		
			Gov Price Adjustment	-6.00 %	-4,388.16
			Price	68,747.84	68,747.84
			Net Value	68,747.84	68,747.84
		Subtotal			68,747.84
		Total			68,747.84



CREATING A CLEANER, SAFER, HEALTHIER WORLD.

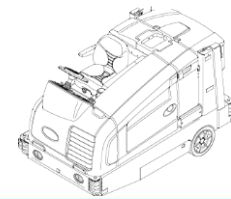
EQUIPMENT



M30

LARGE INTEGRATED SWEEPER-SCRUBBER

- Effectively clean in just one pass – wet or dry – with FloorSmart® integrated cleaning system technology
- Achieve excellent cleaning results with ec-H2O™ technology and MaxPro²™ hydraulic technology
- Increase visibility with cab-forward design, open sightlines, and steering-wheel-mounted controls
- Improve the operator and supervisor experience with available Pro-Panel™ technology



M30 Specifications | Industrial Rider Sweeper-Scrubber

INTEGRATED CLEANING SYSTEM

Cleaning path	48 in 1,220 mm
With scrubbing side brush	62 in 1,575 mm
With sweeping side brush	64 in 1,625 mm
Cylindrical main brushes	
Brush speed	480 rpm
Brush diameter (2)	12 in 305 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	75 gal 284 L
Solution capacity with ES®	100 gal 379 L
Recovery tank	95 gal 360 L
Demisting chamber	20 gal 76 L
Debris hopper	
Volume capacity	7 ft³ 198 L
Weight capacity	650 lb 295 kg
Dump height (variable to)	60 in 1,525 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)	42.4 hp 31.6 kW
Engine - diesel (1.5 L)	41 hp 30.6 kW
Gradeability	
Transport at gross weight	8.0 deg / 14.0%
Working (cleaning)	6.0 deg / 10.0%
Ground clearance (transport)	3 in 80 mm
Tire front (1), solid	18 x 6.0 in 460 x 140 mm
Tires rear (2), solid	16 x 5.0 in 460 x 127 mm

MACHINE DIMENSIONS

Length	108 in 2,745 mm
Width	
Frame	58 in 1,473 mm
Rear squeegee	59 in 1,500 mm
With side brush	64 in 1,625 mm
Height	58 in 1,473 mm
With overhead guard / cab	84 in 2,135 mm
Weight	
Empty	4,000 lb 1,815 kg
GVW	5,400 lb 2,449 kg
Minimum aisle turn	125 in 3,175 mm

STANDARD FEATURES

- 1-Step™ one button sweep/scrub operation
- Touch-n-Go™ wheel-mounted module
- Wheel-mounted horn
- Wheel-mounted water shut-off
- Yellow maintenance touch points
- No-tool squeegee change
- No-tool brush change
- 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
- Soft ride tires
- 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 *M30 Parts and Consumables Reference Guide*.