

CMAS Contract No. 4-17-23-0045A

SCHEDULE PRICE LIST

Authorized Price List for the period October 15, 2015, through October 14, 2020

Price list current through Modification PS-0056, Eff. 04/25/2019 FSC 23, Part V, G.S.A. Distribution, Class 3825

Code 10SC-3801
Cleaning Equipment and Supplies SC Group 23, PART V

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!™ www.GSAAdvantage.gov

For more information on ordering from Federal Supply Schedules, check on the FSS Schedules button at fss.gsa.gov.

RIDER-OPERATED SWEEPERS AND SCRUBBERS

High-speed units are used at Federal office complexes, warehouses, parking ramps, hangars, service facilities, military bases, hospital grounds, post offices, cemeteries, parks, recreation areas and transportation facilities. Anywhere cleanliness is needed and time is important.

Within the contract are: rider-operated power sweepers, power scrubbers, and power sweeper/scrubbers.

Tennant provides the after-sales factory technical backup that government agencies expect. It has a nationwide factory and service network plus an international organization that services over 60 countries. More complete information on all the machines covered in this contract is available through the Tennant office nearest you.

This contract offers a line of power equipment which can speed surface maintenance operations at government facilities throughout the world.



CMAS Contract 4-17-23-0045A

Based on Tennant Sales and Service Company pricing dated 01/01/2019, all prices include IFF.

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INFORMATION FOR ORDERING ACTIVITIES

1a. **Special Item Number**

271-104 Scrubbers, Rider
271-104 Sweepers, Rider
271-104 Scrubber-Sweepers, Rider
271-104 Sweepers and Litter Vacs, Rider, Outdoor
271-104 Dual Technology Carpet Maintainer, Rider
271-114 Ancillary Services

1b. **Lowest Priced Item and Model**

Model 6100 Sweeper \$10,745.14 [All prices include IFF.](#)

1c. **Hourly Rates:** Not applicable

2. **Maximum Order:** \$2,000,000

3. **Minimum Order:** \$100

4. **Geographic Coverage:** 48 Contiguous States and Washington, D.C. (For AK, HI and PR, transportation charges from the embarkation point to destination are to be paid by the U.S. Government).

5. **Production Point:** Minneapolis (Hennepin County), Minnesota; Holland (Ottawa County), Michigan.

6. **Discount:** All prices in this catalog are net (discount deducted).

7. **Quantity Discounts:** As shown on the specific pricing pages.

8. **Prompt Payment Terms:** Net 30 Days

9. **Government Purchase Cards:** Government Purchase Cards are accepted at or below the micro-purchase threshold (Visa, Master Card and American Express). No additional discounts are offered for payment by government Credit Card.

10. **Foreign Items:** None

11a. **Time of Delivery:** 45 Days ARO except the Model Sentinel and Green Machines which is 90 Days ARO.

11b. **Expedited Delivery:** Items available for expedited delivery are noted in this price list.

11c. **Overnight and Second Day Delivery:** Are available for some items at an extra charge. Please contact Aviate Customer Service at (916) 993-4000 for determination.

11d. **Urgent Requirements:** Contact Tennant Customer Service to effect an expedited delivery.

12. **F.O.B Points:** Destination – for the 48 Contiguous States and Washington, D.C. (For AK, HI and PR, the transportation charges from the embarkation point to the destination are to be paid by the U.S. Government).

13. **Ordering Address:** Aviate Enterprises, Inc. | 5844 Price Avenue, McClellan, CA 95652 | sales@aviateinc.com

14. **Payment Address:** Aviate Enterprises, Inc. | 5844 Price Avenue, McClellan, CA 95652

15. **Warranty Provisions:** Standard Commercial Warranty as shown in this pricing catalog.

INFORMATION FOR ORDERING ACTIVITIES (Continued)

16. **Export Packing Charges:** Vary with the weight, size and model. Please contact Government Customer Service, 800-553-8033, for a quotation.
17. **Terms and Conditions for Acceptance of Government Purchase Card:** See the response to number 9. No additional discount offered for use of purchase card.
18. **Maintenance and Repair:** Contact Customer Service, 800-553-8033, for repair and maintenance service.
19. **Machine Installation:** Machine installation will be done by the Contractor's Direct Representative.
20. **Replacement Parts:** Replacement parts are list price, no discounts given.
21. **Service and Distribution Points:** Contact our Customer Service, 800-553-8033, for service. Service is performed on-site by our direct factory-trained service representatives.
22. **Participating Dealers:** None
23. **Preventative Maintenance:** See Operator's Manual and Parts Manual provided with each unit.
- 24a. **Special Attributes:** See individual machine information pages.
- 24b. Not Applicable
25. **Data Universal Number System (DUNS):** 78-598-5198
26. **Central Contractor Registration:** We are CCR Registered.

SALES CONTACTS:

SALES CONTACTS:
Tiffany Montgomery
(916) 993-4000 x4013
Tmontgomery@aviateinc.com

Tax Identification Number (TIN): 41-1986217

Manufacturer's Cage Code: 6WFQ9

United States and Canada Industrial Limited Warranty



Machine Type	Model	Parts	Labor	Travel	Hourmeter
Scrubbers	T12, T16, T17, T20 ¹ , 7300	36 Months	24 Months	6 Months	2000
Sweepers	S20 ³ , 6200	24 Months	6 Months	6 Months	2000
	S30 ^{1,2} , 800 ^{1,2}	48 Months	6 Months	6 Months	2800
	Sentinel ⁴	24 Months	6 Months	6 Months	2400
	S10	36 Months	6 Months	6 Months	2000
Scrubber / Sweeper	M17, M20 ¹ , M30 ¹	36 Months	24 Months	6 Months	2000
Litter Vac	ATLV4300	24 Months	6 Months	6 Months	2000

¹ See EPA Emission Control Warranty Statement for details on the emission control system coverage for machines equipped with the certified gasoline or LP engine.

² GM engines in these models carry a five (5) year or 3,000 hour (whichever occurs first) parts warranty, excluding starters, alternators, belts, general maintenance items, or failure due to improper maintenance.

³ See Evaporative Emission Control Warranty Statement for details on the evaporative emission control system coverage for machines equipped with the Kubota gasoline engine.

⁴ Hopper and water tank carry a 5-year or 5,000 hour (whichever occurs first) parts warranty.

NEW MACHINE WARRANTY

Tennant Company warrants to the original purchaser, for the above-stated periods (whichever occurs first), that machines will be free from defects in workmanship and material, provided that machines are installed, operated, and maintained in accordance with Tennant written manuals or other instructions.

The warranty period begins on the installation date at the end-user site. This warranty does not apply to damage or failure caused by accident, misuse, negligence, abuse, improper repair, or maintenance of the machines. Please refer to the Operator Manual for proper machine operation and maintenance instructions.

Demonstrator machines purchased from Tennant carry the same warranty as a new machine.

LABOR AND TRAVEL WARRANTY

Tennant will, at its option, provide labor and travel or pay for outside repair for the above-stated periods.

PARTS WARRANTY

Parts replaced or repaired under this warranty are guaranteed for the remainder of the warranty period. Consumable parts, expected to wear from normal use, are not covered under the parts warranty. Items that are covered on a prorated basis include tires (1 year) and batteries (2 years). Some industrial steel tray batteries are warranted by the manufacturer for five (5) years. Brushes that fail due to defect within one (1) year will be covered based on percentage of remaining bristle length. Fiber reinforced composite shrouds and Duramer™ shrouds, hoppers, solution, and recovery tanks are warranted for ten (10) years.

REPAIR PARTS WARRANTY

After the warranty period expires, repair parts supplied by Tennant are warranted against defects for the period of ninety (90) days, with the exception of batteries which are covered on a prorated basis for twelve (12) months. The repair parts warranty only covers parts, not labor or travel (see service labor section for terms).

SERVICE LABOR WARRANTY

Labor and travel performed by a Tennant service representative are warranted for thirty (30) days from the date the repairs are completed. This policy does not cover work performed by any service company other than Tennant Company, and is restricted to the specific repair operation or component for which a claim is made.

DISCLAIMER

TENNANT COMPANY EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. TENNANT SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER DIRECT OR INDIRECT, INCLUDING, BUT NOT LIMITED TO, BUYER'S LOSS OF MATERIAL OR PROFITS, INCREASED EXPENSE OF OPERATION, BODILY INJURY, LOSS OF USE OF PROPERTY OR DOWNTIME.



United States and Canada Commercial Limited Warranty

<u>Model</u>	<u>Rotationally-Molded Components</u>	<u>Parts</u>	<u>Battery</u>	<u>Labor</u>	<u>Travel</u>	<u>Hourmeter</u>
All non-rider machines except those listed below	10 Years	36 Months	12 Months pro-rated	36 Months	3 Months (No travel on cord-electric, 3540, or V-WD-16B)	2500
T7, R14	10 Years	36 Months	12 Months pro-rated	36 Months	3 Months	1500
B5, B7, B10, T3 Orbital, T300, T300e	10 Years	36 Months	12 Months pro-rated	24 Months	6 Months	2000
6100	10 Years	24 Months	12 Months pro-rated	6 Months	6 Months	1000
3610	1 Year	12 Months	12 Months pro-rated	12 Months	3 Months	N/A
S3, S3B, S5, S9	2 Years	24 Months	12 Months pro-rated	12 Months	3 Months	N/A
V3, V6, F-14, EH1, EC2, EH2, EH5, Q12, V-BP-6 (1215364), V-BP-10 (1215366)	2 Years	24 Months	N/A	12 Months	3 Months	N/A
T1 Battery Micro Scrubber	10 Years	36 Months	AGM 6 Months pro-rated ² Lithium Ion 24 Months	36 Months	3 Months	2500
EX-SPOT-2, V-HDU-14, V-WA-30 ¹ (material 1068029)	10 Years	12 Months	N/A	12 Months	None	N/A
V-BP-6 ¹ , V-BP-10 ¹ , V-LWU-13 ¹ V-SMU-14 ¹ , V-DMU-14 ¹	N/A	12 Months	N/A	12 Months	None	N/A

¹ Two (2) year limited warranty on electric motors ² Maximum 1 replacement under Warranty

NEW MACHINE WARRANTY

Tennant Company warrants to the original purchaser, for the above-stated periods (whichever occurs first), that machines will be free from defects in workmanship and material, provided that machines are installed, operated, and maintained in accordance with Tennant written manuals or other instructions.

This warranty does not apply to damage or failure caused by accident, freight damage, misuse, negligence, abuse, improper repair, or maintenance of the machines. Please refer to the Operator Manual for proper machine operation and maintenance instructions.

The warranty period begins on the installation date at the end-user site. A Machine Installation/Warranty Report form included with the Operator Manual must be completed and returned immediately at the time of purchase. If proof of purchase is unavailable, the warranty begins ninety (90) days after original sale to an Authorized Tennant dealer.

Demonstrator machines purchased from Tennant carry the same warranty as a new machine.

LABOR AND TRAVEL WARRANTY

Tennant will, at its option, provide labor and travel or pay for outside repair for the above-stated periods.

PARTS WARRANTY

Parts replaced or repaired under this warranty are guaranteed for the remainder of the warranty period. The parts warranty on batteries is pro-rated from the Tennant Company shipping date. Consumable parts, expected to wear from normal use, are not covered under the parts warranty. These consumable parts include, but are not limited to: belts, drive chains, brushes, pad drivers, filters, squeegees, tires [pro-rated for one (1) year on rider machines], skirts, hand grips, battery cables, power cords, cord restraints, external hoses, vacuum bags, fuses and carbon brushes. Battery chargers and accessories are warranted for one (1) year.

REPAIR PARTS WARRANTY

After the warranty period expires, repair parts supplied by Tennant are warranted against defects for the period of ninety (90) days, with the exception of batteries. Lithium-Ion and Lead acid batteries are pro-rated for twelve (12) months. All AGM and Gel batteries are pro-rated for ninety (90) days. The repair parts warranty only covers parts, not labor or travel (see service labor section for terms).

SERVICE LABOR WARRANTY

Labor and travel performed by a Tennant service representative are warranted for thirty (30) days from the date the repairs are completed. This policy does not cover work performed by any service company other than Tennant, and is restricted to the specific repair operation or component for which a claim is made.

DISCLAIMER

TENNANT COMPANY EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. TENNANT SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER DIRECT OR INDIRECT, INCLUDING, BUT NOT LIMITED TO, BUYER'S LOSS OF MATERIAL OR PROFITS, INCREASED EXPENSE OF OPERATION, BODILY INJURY, LOSS OF USE OF PROPERTY OR DOWNTIME.

Tennant Company reserves the right to change its warranty policy without notice.



Creating a cleaner, safer world

Since 1870, Tennant Company has been creating a cleaner, safer world. We are committed to improving the quality of our indoor environments, while reducing the impact of cleaning on the outdoors.

Product Safety Certifications and Approvals



Carpet and Rug Institute (CRI) – Green Label Certified

To qualify for Green Label, vacuums and sweepers must go through stringent testing that measures soil removal, dust containment, and carpet appearance.



Carpet and Rug Institute (CRI) – Seal of Approval

To qualify for seal of approval, extractors must undergo stringent testing that measures soil removal, water removal, and texture retention.



National Floor Safety Institute – NFSI Certified

NFSI certification ensures a product has passed a 2-phase testing process, proving the floor product helps to reduce potential for slip-and-fall accidents.



Green Seal – GS-37 Certified Detergents

Green Seal evaluates and certifies cleaning products based on criteria such as the toxicity of the product, skin and eye irritation, skin sensitization, combustibility, toxicity to aquatic life, and packaging.




Registered by NSF International

NSF International is an independent, not-for-profit organization which registers compounds, such as cleaning agents, used in and around food establishments. NSF Registration ensures that formulation and labels on these products meet appropriate food safety regulations.



U.S. Green Building Council (USGBC) – LEED

USGBC created LEED (Leadership in Energy and Environmental Design®) to recognize U.S. standards for high-performance and sustainable building environments. The USGBC recognizes products that can contribute to LEED and LEED-EB (existing building) points. 



Underwriters Laboratories (UL)

Underwriters Laboratories is a United States nationally recognized testing laboratory.



ETL Testing Laboratories

ETL Testing Laboratories is a United States nationally recognized testing laboratory.



Conserve Resources



Reduce Detergents



Increase Safety



Improve Air Quality



Reduce Noise



Tennant Company Cleaning Technologies

Your facility requires safe and effective cleaning technologies to get the results you and your staff demand. Tennant Company offers a full line of safe, supportive and innovative cleaning solutions.



ec-H2O™ – Release the Power of Water

ec-H2O™ electrically converts water to perform like a powerful detergent. This chemical-free technology removes the environmental and human health issues associated with daily cleaners; all while eliminating costly chemical purchases. The result is a superior clean, healthier environment, increased employee safety and reduced operations costs.

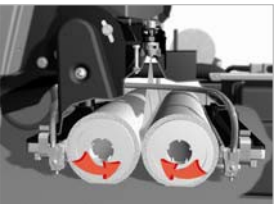


FaST – The Safe Scrubbing Alternative®

FaST is the best way to meet the highest cleaning standards using 70% less solution. That's because FaST foam cleans so well it not only captures existing soil, it also removes old, slippery detergent residues. The result is a cleaner, higher-traction floor.



FaST does not require measuring or mixing and cleans up to 1,000,000 square feet per FaST-PAK®. FaST detergent is available in 3 formulas: FaST 365 (Neutral pH Daily Cleaner), FaST 665 (Neutral pH Heavy Duty Cleaner), FaST 965 (Heavy Duty Degreaser Cleaner).



READYSPACE

Carpets cleaned with ReadySpace are dry and ready for use in less than 30 minutes. Turn your just-cleaned carpet spaces around quicker, keep rooms open for traffic longer, and clean high-traffic areas more often with ReadySpace technology.

Using up to 80% less water to clean and leaving up to 90% less water in the carpet, ReadySpace helps reduce mold and bacteria growth and leaves cleaner, healthier spaces.



Tennant True[®] Gold Performance Program for CMAS

Gain predictability and control of maintenance costs with Tennant's Gold Performance Program.



- 400+ factory-trained, local Tennant True service representatives with the experience and expertise to troubleshoot and fix problems quickly
- Tennant True Service strives for prompt phone response, within two hours on the weekdays, and service reps onsite within approximately 24 hours in most areas
- Better cleaning performance and lower total cost with Tennant True genuine parts



Tennant True[®] Gold Performance Program helps ensure your Tennant machines are ready to go whenever you need them. Tennant's factory-trained representatives have unsurpassed experience with Tennant equipment, enabling your machines to continue operating at peak performance. Control maintenance costs and obtain superior cleaning results for the life of your machine. Gold Performance Program covers many major components helping to maximize uptime while controlling your costs.

Tennant True [®] GOLD PERFORMANCE PROGRAM																						
WHY DO YOU WANT IT?	<ul style="list-style-type: none"> • Assures peace of mind - maintenance and breakdown coverage • Provides budget management & control • Helps maximize uptime & equipment life 																					
WHAT IS IT?	<ul style="list-style-type: none"> • Includes inspections/diagnostics, lubrications and adjustments of: <table border="0"> <tr> <td>✓ Air Cleaner</td> <td>✓ Battery Power</td> <td>✓ Debris Pickup</td> </tr> <tr> <td>✓ Fuel Filter</td> <td>✓ Hydraulic Fluids</td> <td>✓ Brushes & Squeegees</td> </tr> <tr> <td>✓ Van Fan Filter</td> <td>✓ Electrical Systems</td> <td>✓ Ignition Parts</td> </tr> <tr> <td>✓ Seals</td> <td>✓ Drive Chains/Belts</td> <td>✓ Oil & Filter</td> </tr> </table> • Site visit, shop supplies, and labor • Breakdown service & major components included: <table border="0"> <tr> <td>✓ Battery</td> <td>✓ Scrub Brush Motors</td> <td>✓ Vac Fan Motor</td> </tr> <tr> <td>✓ Drive Assembly</td> <td>✓ Circuit Board</td> <td>✓ Propel Controller</td> </tr> <tr> <td>✓ ec-H2O™ Pump</td> <td>✓ ec-H2O Module</td> <td></td> </tr> </table> 	✓ Air Cleaner	✓ Battery Power	✓ Debris Pickup	✓ Fuel Filter	✓ Hydraulic Fluids	✓ Brushes & Squeegees	✓ Van Fan Filter	✓ Electrical Systems	✓ Ignition Parts	✓ Seals	✓ Drive Chains/Belts	✓ Oil & Filter	✓ Battery	✓ Scrub Brush Motors	✓ Vac Fan Motor	✓ Drive Assembly	✓ Circuit Board	✓ Propel Controller	✓ ec-H2O™ Pump	✓ ec-H2O Module	
✓ Air Cleaner	✓ Battery Power	✓ Debris Pickup																				
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✓ Drive Assembly	✓ Circuit Board	✓ Propel Controller																				
✓ ec-H2O™ Pump	✓ ec-H2O Module																					
WHERE IT WORKS?	<ul style="list-style-type: none"> • Usage up to 25 hours/month on large riders, small riders, or walk-behind units • Light/medium environments 																					
WHAT ARE THE REQUIREMENTS & RESTRICTIONS?	<ul style="list-style-type: none"> • 2 visits per year • Not covered: Chemicals, pads, and customer abuse 																					
HOW DO I PAY FOR IT?	<ul style="list-style-type: none"> • Pre-pay 36 months 																					



SCRUBBERS

Maintain a clean, safe and productive environment with our industry-leading scrubbers. Look for machines featuring FaST® or ec-H2O™ technologies. Ec-H2O™ electrically converts plain tap water into a powerful cleaning solution for chemical performance with earth-friendly results. FaST® is the safe scrubbing alternative, removing old, slippery detergent residue with floor traction increased by 21 percent.



Applications

- Barracks and Dormitories
- Auditoriums
- Command Centers/Post Exchanges
- Commissaries
- Hallways/Hospitals/Infirmaries
- Post Offices
- Recreation and Fitness Centers
- Warehouses and Storerooms
- Aircraft Hangars
- Schools

Green Seal GS-37 Certified May Contribute to LEED® or LEED-EBOM points CRI Seal of Approval CRI Green Label Certified NFSI Certified NSF Registered Conserve Water Decrease Detergents Increase Safety Improve Air Quality Reduce Noise

Model	Green Seal GS-37 Certified	May Contribute to LEED® or LEED-EBOM points	CRI Seal of Approval	CRI Green Label Certified	NFSI Certified	NSF Registered	Conserve Water	Decrease Detergents	Increase Safety	Improve Air Quality	Reduce Noise
Model T7 with FaST® or ec-H2O™											
Model T16 with FaST® or ec-H2O™											
Model T20 with FaST											
Model T12 with FaST or ec-H2O											
Model T17 with FaST or ec-H2O											

RIDER SCRUBBERS

CMAS SIN 271-104 SCRUBBERS, RIDER

Model T7

BUILT-IN "TENANT VALUE" INCLUDES:

Fully Cleanable Hygienic™ Tanks
 Extremely Low 67 dBA Noise Levels
 Unmatched Solution Recovery
 One-Button Scrubbing Operation
 Economy Mode (Extends run time up to 4.5 hours)
 On Board Diagnostics
 Touch Panel Controls

Automatic:

Squeegee Lift
 Water Shutoff

ec-H2O NanoClean™ Equipped Models Include:
Electrically Converted Water Technology System
Two Scrubbing Modes: ec-H2O NanoClean™ & Conventional Scrubbing
 Audio Back Up Alarm

Unsurpassed Ergonomic Design
 Standard 240 AH Battery Pack (\$Optional 360 AH)
 Charger
 Edge & Reach Under Cleaning
 No Tool Brush / Squeegee Change
 Standard Scrubbing Brushes & Pad Drivers (\$Select One Type)
 Vacuum Fan In-Line Air Filter Cartridge
 Brush Shutoff When Idle
 Brush Shutoff at 80% Discharge

Pre-Configured Machines (Note 1a)

Reference Number **2019 CMAS Price Including IFF**
 1 unit **2-5 units** **6-8 units**

T7 Ride-On Scrubber 650mm / 26" Disk, Conventional Scrubbing, 240AH Battery, Off-Board Charger Includes Pad Driver, and will be shipped Pad Wrap. These units cannot ship to AK OR HI.	MV-T7-0051	\$11,852.59	\$11,670.25	\$11,487.90
T7 Ride-On Scrubber 650mm / 26" Disk, ec-H2O NanoClean, 240AH Battery, Off-Board Charger Includes Pad Driver, and will be shipped Pad Wrap. These units cannot ship to AK OR HI.	MV-T7-0052	\$13,398.19	\$13,192.06	\$12,985.93
T7 Ride-On Scrubber 800mm / 32" Disk, ec-H2O NanoClean, 240AH Battery, Off-Board Charger Includes Pad Driver, and will be shipped Pad Wrap. These units cannot ship to AK OR HI.	MV-T7-0053	\$14,275.11	\$14,055.50	\$13,835.88

Base Configuration

Reference Number **2019 CMAS Price Including IFF**
 1 unit **2-5 units** **6-8 units**

Cleaning Type				
T7 Ride-On Scrubber 650 mm/26" - Disk	T7-650-D	\$11,852.59	\$11,670.25	\$11,487.90
T7 Ride-On Scrubber 800 mm/32" - Disk	T7-800-D	\$12,729.52	\$12,533.68	\$12,337.84
T7 Ride-On Scrubber 700mm/28" - Cylindrical	T7-700-C	\$12,729.52	\$12,533.68	\$12,337.84
T7 Ride-On Scrubber 800mm/32" - Cylindrical	T7-800-C	\$13,607.76	\$13,398.41	\$13,189.06

Cleaning Technology: (conventional is standard, ec-H2O NanoClean™ can also operate in conventional mode)

ec-H2O NanoClean™	ec-H2ONC-T7	\$1,545.59	\$1,521.81	\$1,498.04
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Battery Type (Note 1)

Wet 360AH C/20 (Kit of 4 batteries) (in lieu of standard)	9000815	\$323.53	\$318.55	\$313.57
Sealed/MF Gel 180AH C/20 (Kit of 4 batteries) (in lieu of standard)	9001914	\$538.34	\$530.06	\$521.77
Sealed/MF AGM 220AH C/20 (Kit of 4 batteries) (in lieu of standard)	9001915	\$806.85	\$794.44	\$782.03
HydroLink® Battery Watering Kit (Note 2)	9009619	\$277.68	\$273.41	\$269.14

Charger (Note 3)

	Reference Number			
19A 100-240V AC 50/60Hz 1Ph - Off-Board for 240AH and 360AH Batteries	1029256	N/C	N/C	N/C
19A 100-240V AC 50/60Hz 1Ph - Off-Board for Gel 180AH Battery	1027951	N/C	N/C	N/C
25A 100-240V AC 50/60Hz 1Ph, - Off-Board for AGM 220AH Battery	9012519	\$103.48	\$101.88	\$100.29
25A 100-240V AC 50/60Hz 1Ph, - Off-Board, in lieu of standard for 360AH Battery	9009486	\$103.48	\$101.88	\$100.29
25A 115V AC 60Hz 1Ph - On-Board Charger, in lieu of standard	9001993	\$326.15	\$321.13	\$316.11
27A 100-240V AC 50/60Hz 1Ph - Off-Board for all Batteries (IRIS Battery Metric Compatible)	1230312	\$198.44	\$195.39	\$192.33

Machine Protection & Safety

	Reference Number			
Strobe Light On Tank	9000580	\$353.00	\$347.57	\$342.14
Utility Basket (Small On Board Storage)	1018315	\$109.37	\$107.69	\$106.01

Brushes and Pads (Note 4)

	Reference Number			
650mm/26" Disk Scrubbing Brushes/Pads (2 Required)				
Polypropylene (26" Disk, 2 required)	1220223	N/C	N/C	N/C
Nylon (26" Disk, 2 required)	1220226	N/C	N/C	N/C
Super Abrasive (26" Disk, 2 required)	1220228	\$172.24	\$169.59	\$166.94
Pad Driver	1220243	N/C	N/C	N/C
Pads				
26" Pad - Brown Stripping - 3M	89046	\$7.57	\$7.45	\$7.34
26" Pad -Blue Scrubbing - 3M	89047	\$7.57	\$7.45	\$7.34
26" Pad -Red Cleaning - 3M	89048	\$7.57	\$7.45	\$7.34
26" Pad -White Polishing - 3M	89049	\$7.57	\$7.45	\$7.34
26" Pad -Maroon Surface Prep Pad - 3M	1051024	\$8.94	\$8.81	\$8.66
800mm/32" Disk Scrubbing Brushes/Pads (2 Required)				
Polypropylene (32" Disk, 2 required)	1220224	N/C	N/C	N/C
Nylon (32" Disk, 2 required)	1220225	N/C	N/C	N/C
Super Abrasive (32" Disk, 2 required)	1220227	\$172.24	\$169.59	\$166.94
Pad Driver	1220244	N/C	N/C	N/C
Pads				
32" Pad - Brown Stripping - 3M	63248-1	\$9.62	\$9.48	\$9.33
32" Pad -Blue Scrubbing - 3M	63248-2	\$9.62	\$9.48	\$9.33
32" Pad -Red Cleaning - 3M	63248-3	\$9.62	\$9.48	\$9.33
32" Pad -White Polishing - 3M	63248-4	\$9.62	\$9.48	\$9.33
32" Pad - Black Stripping - Hi Pro - 3M	370092	\$15.82	\$15.58	\$15.32
32" Pad -Maroon Surface Prep Pad - 3M	1051027	\$11.69	\$11.51	\$11.34

T7 Continued...

		<u>1 unit</u>	<u>2-5 units</u>	<u>6-8 units</u>
700mm/28" Cylindrical Scrubbing Brushes (2 Required)				
Polypropylene (28" Cylindrical, 2 required)	222304	N/C	N/C	N/C
Heavy Duty Polypropylene (28" Cylindrical, 2 required)	374041	N/C	N/C	N/C
Nylon (28" Cylindrical, 2 required)	222305	N/C	N/C	N/C
Abrasive (28" Cylindrical, 2 required)	222306	\$172.24	\$169.59	\$166.94
800mm/32" Cylindrical Scrubbing Brushes (2 Required)				
Polypropylene (32" Cylindrical, 2 required)	222307	N/C	N/C	N/C
Heavy Duty Polypropylene (32" Cylindrical, 2 required)	374042	N/C	N/C	N/C
Nylon (32" Cylindrical, 2 required)	222308	N/C	N/C	N/C
Abrasive (32" Cylindrical, 2 required)	222309	\$172.24	\$169.59	\$166.94

Support (Note 5)

	Reference Number			
Gold Performance Plan (T7)	GPP012	\$3,752.14	\$3,752.14	\$3,752.14
Ultimate Performance Gaurantee	50619	N/C	N/C	N/C
Additional T7 Operator Manual (English)	331040	\$75.31	\$74.16	\$73.00
Additional T7 Operator Manual (Spanish)	331042	\$75.31	\$74.16	\$73.00
Additional T7 Operator Manual (French)	331043	\$75.31	\$74.16	\$73.00
T7 Parts Manual	9013606	\$8.51	\$8.38	\$8.25

Machine Communication (Note 6)

IRIS Telemetry Module	9013632	\$681.11	\$670.63	\$660.15
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Packaging (Note 7)

Skid w/Carton, Non-Stackable (in lieu of std)	9000550	\$227.91	\$224.40	\$220.90
Skid with Stretch Wrap (in lieu of std)	9007285	\$159.80	\$157.34	\$154.88

Notes

- Pre-Configured Machines cannot add or change options. All units will be packaged and shipped as stated above.
- Only available on wet batteries, not sealed.
- 27A 100-240V AC 50/60Hz 1Ph - Off-Board Charger is required to receive IRIS Battery Metrics.
- One set of brushes or pad drivers come standard with a T7.
- Additional hard copy Operator and Parts Manuals can be ordered or digital copies can be downloaded from www.Tennantco.com.
- Pre-Paid and Monthly Packages are available for the IRIS Information Service.
 IRIS Module is required and NOT included in the price of the IRIS Information Service:
 3 Year Pre-Paid IRIS Information Service \$250.00
 5 Year Pre-Paid IRIS Information Service \$400.00
 A monthly contract can be set up at \$10 per month w/ 12 month minimum commitment.
 IRIS Telemetry Module only covers the price of the hardware.
 IRIS Telemetry requires an IRIS Telemetry Module and an IRIS Information Service Package.
 27A 100-240V AC 50/60Hz 1Ph - Off-Board Charger and a compatible Tennant supplied battery is required to receive IRIS Battery Manager.
Availability of IRIS Battery Metrics is not guaranteed with third party supplied batteries
- Pad wrap available only in the Continental US and is the default packaging method.
 Skid w/Carton, Non-Stackable is mandatory when shipping to AK and HI. Packaging is added at No Charge when shipping to these locations.
- Shipping Weights and Dimentions

	Pad Wrap	Skid w/Carton
Weight (with 235AH batteries)	975 lbs / 443 kg	1000 lbs / 454 kg
Length	60" / 1,524mm	62" / 1,574mm
Width	39" / 991mm	33" / 838mm
Height	50" / 1,270mm	48" / 1,219mm

CMAS SIN 271-104 SCRUBBERS, RIDER

Model T12

BUILT-IN "TENANT VALUE" INCLUDES:

Wet, 240 AH C/20 Battery Pack
 20 Amp, 115 Volt 60 Hz Charger
 Two Speed Electronic Transmission with AC Propel Motor
 Disk or Cylindrical Scrubbing - 32 in (800 mm) path
 Standard Cylindrical or Disk Scrubbing Brushes (Select One)
 Non-Corrosive Duramer™ Solution and Recovery Tanks
 35 gal (132 L) Solution Tank
 44 gal (166 L) Recovery Tank
 9 gal (34 L) Demisting Chamber
 Parabolic Rear Squeegee w/SmartRelease™ Breakaway System
Automatic Functions:
 Parking Brake
 Squeegee Lift
 Water Shutoff
 Brush Shutoff When Idle
 Brush Shutoff at 80% Battery Discharge

No Tool Squeegee and Brush Change
 In-Line Vacuum Fan Air Filter
 High Visibility Maintenance Touch Points
 Underwriters Laboratory (UL®) "E" Certification
 Cup Holder
 Operator Manual and Video
 Front and Rear Non-Marking Tires

 T12 Controls:
 1-Step™ One-Button Scrub Operation
 3 Down-Pressure Settings
 On Board Diagnostics
 Water Shutoff Switch
 T12 XP Only Controls and Features:
 T12 Controls, plus
 Steering Wheel Mounted, Touch-N-GO Control Module (XP Only)
 AV Back-up Alarm
 Water Shutoff Thumb Switch on Control Module
 Head and Tail Lights
 Deluxe Seat with Arm Rests

Base Configuration

	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type				
T12 Rider - Conventional Disk Scrubbing	T12-D	\$13,847.46	\$13,634.42	\$13,421.38
T12 Rider - Conventional Cylindrical Scrubbing	T12-C	\$14,232.54	\$14,013.58	\$13,794.62
T12 XP Rider - Conventional Disk Scrubbing	T12-XP-D	\$15,066.25	\$14,834.46	\$14,602.67
T12 XP Rider - Conventional Cylindrical Scrubbing	T12-XP-C	\$15,451.99	\$15,214.27	\$14,976.54
Cleaning Technology: (conventional is standard, ec-H2O can also operate in conventional mode)				
ec-H2O™	ec-H2O-T12	\$1,901.21	\$1,871.96	\$1,842.71
Squeegee Material				
Linatex	9009818	N/C	N/C	N/C
Gum Rubber	9009822	N/C	N/C	N/C
Urethane	9009820	N/C	N/C	N/C
Battery Type (Notes 1, 2, 3, 4, & 5)				
Wet 360 AH C/20 (in lieu of standard) (Kit of 6 batteries)	9009863	\$531.79	\$523.61	\$515.43
Sealed/MF AGM 312AH C/6 (Kit of 6 batteries) (in lieu of standard)	325988	\$2,298.74	\$2,263.38	\$2,228.01
HydroLink® Battery Watering Kit (Note 7)	9009620	\$366.75	\$361.11	\$355.47
Charger (Note 8)				
	Reference Number			
21A 85-265V AC 50/60Hz 1Ph - 360AH Battery (in lieu of standard)	9004241	N/C	N/C	N/C
20A 85-130V AC 50/60Hz 1Ph (On-board Charger in lieu of standard)	9009865	\$405.39	\$399.15	\$392.92
21A 85-265V AC 50/60Hz 1Ph - MF AGM 312AH Battery off-board	314787	\$368.06	\$362.40	\$356.74
UL Rating				
UL® Type ES (in lieu of standard)	9009908	\$1,408.72	\$1,387.04	\$1,365.37

		1 unit	2-5 units	6-8 units
Packages				
Heavy Duty Protection Package: Includes: Front Bumper & Rear Squeegee Protection	9009854	\$743.32	\$731.89	\$720.45
Productivity Package: Includes: Scrubbing Side Brush, Vac Wand, Spray Hose	9009855	\$2,628.16	\$2,587.73	\$2,547.29
Safety Light Package: Includes: LED Head Light and AV Backup Alarm w/Strobe Light	9009909	\$427.00	\$420.43	\$413.86
Cleaning Performance				
	Reference Number			
Side Brush, Right Hand Scrubbing	9009824	\$2,151.39	\$2,118.29	\$2,085.19
Vacuum Wand	9010355	\$425.04	\$418.50	\$411.96
Spray Nozzle with Hose	9009851	\$605.79	\$596.47	\$587.15
Machine Protection & Safety				
	Reference Number			
Heavy Duty Front Bumper	9009856	\$459.09	\$452.03	\$444.97
Heavy Duty Squeegee Protection	9009858	\$358.89	\$353.37	\$347.85
Overhead Guard (Requires Heavy Duty Bumper) (Note 9)	9009860	\$736.12	\$724.80	\$713.47
Deluxe Seat (Standard on XP-includes Seat Belt) (Note 10)	9009835	\$278.99	\$274.70	\$270.41
Headlight(s) LED (Standard on XP)	9009849	\$193.85	\$190.87	\$187.89
AV BU Alarm - Strobe on Tank (Standard on XP)	9010352	\$328.11	\$323.06	\$318.02
Strobe Light on OHG	9010350	\$328.11	\$323.06	\$318.02
Alternate Strobe Lens (Standard with Amber)				
Strobe Lens - Red	1027798	N/C	N/C	N/C
Strobe Lens - Blue	1027800	N/C	N/C	N/C
Fire Extinguisher	9009878	\$166.35	\$163.79	\$161.23
Trailer Transport Kit (cover latches for trailering)	9009907	\$93.00	\$91.57	\$90.14
Brushes and Pads				
	Reference Number			
Disk Scrubbing Brushes/Pads (2 Required)				
Polypropylene Brush (Disc, 2 required)	1220241	N/C	N/C	N/C
Heavy Duty Polypropylene (Disc, 2 required)	1220236	N/C	N/C	N/C
Nylon Brush (Disc, 2 required)	1220235	N/C	N/C	N/C
Super Abrasive Brush (Disc, 2 required)	1221543	\$201.06	\$197.96	\$194.87
Pad Driver	1220244	N/C	N/C	N/C
Pads				
Pad - Brown Stripping - 3M	63248-1	\$9.62	\$9.48	\$9.33
Pad - Blue Scrubbing - 3M	63248-2	\$9.62	\$9.48	\$9.33
Pad - Red Cleaning - 3M	63248-3	\$9.62	\$9.48	\$9.33
Pad - White Polishing - 3M	63248-4	\$9.62	\$9.48	\$9.33
Pad - Black Stripping - Hi Pro - 3M	370092	\$15.82	\$15.58	\$15.32
Pad - Maroon Surface Prep - 3M	1051027	\$11.69	\$11.51	\$11.34
Cylindrical Scrubbing Brushes (2 Required)				
Polypropylene Brush (Cylindrical, 2 required)	1201572	N/C	N/C	N/C
Heavy Duty Polypropylene (Cylindrical, 2 required)	1201926	N/C	N/C	N/C
Polyester (Cylindrical, 2 required)	1201927	N/C	N/C	N/C
Super Abrasive Brush (Cylindrical, 2 required)	1201928	\$201.06	\$197.96	\$194.87
Disk Scrubbing Brush/Pad and Sweeping Brush for Side Brush Option (1 Required)				
Polypropylene Brush (Disk for side brush option)	1220240	N/C	N/C	N/C
Heavy Duty Polypropylene (Disk for side brush option)	1220231	N/C	N/C	N/C
Nylon Brush (Disk for side brush option)	1220230	N/C	N/C	N/C
Super Abrasive Brush (Disk for side brush option)	1220232	\$201.06	\$197.96	\$194.87
Pad Driver	1220243	N/C	N/C	N/C
Pads				
Brown Stripping - 3M (Pad for side brush option)	89046	\$7.57	\$7.45	\$7.34
Blue Scrubbing - 3M (Pad for side brush option)	89047	\$7.57	\$7.45	\$7.34
Red Cleaning - 3M (Pad for side brush option)	89048	\$7.57	\$7.45	\$7.34
White Polishing - 3M (Pad for side brush option)	89049	\$7.57	\$7.45	\$7.34
Maroon Surface Prep - 3M (Pad for side brush option)	1051024	\$8.94	\$8.81	\$8.66
Support				
	Reference Number			
Gold Performance Package (T12)	GPP017	\$4,106.30	\$4,106.30	\$4,106.30
Ultimate Performance Guarantee	50619	N/C	N/C	N/C
Additional Operator Manual (English)	9009910	\$28.82	\$28.37	\$27.93
Additional Operator Manual (Spanish)	9009911	\$28.82	\$28.37	\$27.93
Additional Operator Manual (French)	9009912	\$28.82	\$28.37	\$27.93
Service Manual	9009917	\$97.58	\$96.08	\$94.58
Machine Communication (Note 11)				
IRIS Telemetry Module	9009888	\$681.11	\$670.63	\$660.15
Packaging (note 12)				
Skid w/Carton, Non-Stackable (in lieu of std)	9009900	\$347.10	\$341.76	\$336.42

T12 Notes

- 1 The battery compartment will fit six 6-volt batteries of this size:
 Battery Size Length Width
 11.70 in 6.95 in
 297 mm 177 mm
- 2 Overall Battery Compartment Size:
 (these are the "full compartment" dimensions, allow space on top of battery for watering system clearance, etc) Length Width
 21.5 in 23.89 in
 545 mm 605 mm
- 3 Model T12 Continuous Runtime Chart. Standard Capacity
240AH
 2.9 hours
 2.4 hours
- T12 Base Unit (economy mode, main scrub only)
 T12 Base Unit with RH Sidebrush (economy mode)
 The above runtimes are guidelines. Actual times will vary based on floor conditions, final machine configuration & usage
- 4 To calculate weights with batteries add the following to the product "Net" or "Ship" weights:
 240 AH Battery Pack = + 6 Batteries @ 67 lbs (30.4kg) each = 402 lbs (182.5 kg)
 360 AH Battery Pack = + 6 Batteries @ 98 lbs (45 kg) each = 588 lbs (267 kg)
- 5 Expected Cycle Life: Cycle life is the number of charge cycles a battery is expected to last.
 240 AH Battery = 500 Cycles
 360 AH Battery = 500 Cycles
- 7 ONLY available with Wet (Lead Acid) batteries. Cannot be used with Sealed Gel / AGM Batteries.
- 8 The battery charger connector is a 50 amp Anderson (gray). The battery connector is an Anderson 175 amp connector (gray).
- 9 OHG requires the Heavy Duty Front Bumper be installed on the machine.
 When ordering the OHG either the Heavy Duty Front Bumper or the Heavy Duty Protection Package must also be ordered.
- 10 A seatbelt is not offered with the basic seat, but the deluxe seat features a retractable seat belt standard.
 at an additional charge and will increase the lead time. For pricing and lead time impact information contact our Custom Engineering Group.
- 11 Pre-Paid and Monthly Packages are available for the IRIS Information Service. IRIS Module is required and NOT included in the price of the IRIS Information Service:
 3 Year Pre-Paid IRIS Information Service \$250.00
 5 Year Pre-Paid IRIS Information Service \$400.00
 A monthly contract can be set up at \$10 per month w/ 12 month minimum commitment.
 IRIS Telemetry Module only covers the price of the hardware. IRIS Telemetry requires an IRIS Telemetry Module and an IRIS Information Service Package.
- 12 Pad wrap available only in the Continental US and is the default packaging method.
 Skid w/Carton, Non-Stackable is mandatory when shipping to AK and HI. Packaging is added at No Charge when shipping to these locations.
 The Skid w/Carton, Non-Stackable (PN 9009900) includes the crate and all bracketry for shipping.
- 13 Shipping Weights and Dimensions
- | | <u>Pad Wrap</u> | <u>Skid w/Carton</u> |
|----------------------------|-------------------|----------------------|
| Weight (w/240AH Batteries) | 1460 lbs / 664 Kg | 2200 lbs / 998 Kg |
| Length | 68" / 1710 mm | 85" / 2159 mm |
| Width | 42" / 1065 mm | 46" / 1169 mm |
| Height | 56" / 1420 mm | 63" / 1600 mm |
-

CMAS SIN 271-104 SCRUBBERS, RIDER

Model T16

BUILT-IN "TENANT VALUE" INCLUDES:

- | | |
|---|--|
| <p>36V, 235 AH Battery Pack
 20 Amp, 115 Volt 60 Hz Charger
 Two Speed Electronic Overdrive Transmission with AC Propel Motor
 Disk or Cylindrical Scrubbing - 36 in (910 mm) path
 Steering Wheel Mounted, Touch-N-GO Control Module
 1-Step™ One-Button Scrub Operation
 3 Down-Pressure Settings
 Steering Wheel Mounted Horn
 On Board Diagnostics
 Water Shutoff Thumb Switch</p> <p><u>Automatic:</u>
 Parking Brake
 Squeegee Lift
 Water Shutoff
 Brush Shutoff When Idle
 Brush Shutoff at 80% Battery Discharge</p> <p>ec-H2O™ Cleaning Solution Includes:
 Electrically Converted Water Technology System
 Two Scrubbing Modes: ec-H2O™ & Conventional Scrubbing</p> | <p>Removable Tool Caddy and Large Cargo Net Storage Area
 Standard Cylindrical or Disk Scrubbing Brushes (Select One)
 Hygienic Non-Corrosive Duramer™ Solution and Recovery Tanks
 50 gal (190 L) Solution Tank
 60 gal (225 L) Recovery Tank
 10 gal (38 L) Demisting Chamber
 Parabolic Rear Squeegee
 SmartRelease™ Breakaway System
 Linatex Squeegee Blades
 Cast Aluminum Rear Squeegee Frame
 No Tool Squeegee and Brush Change
 In-Line Vacuum Fan Air Filter
 High Visibility Maintenance Touch Points
 Underwriters Laboratory (UL®) "E" Certification
 Cup Holder
 Operator Manual and Video
 Front and Rear Non-Marking Tires</p> |
|---|--|

Base Configuration

	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type				
T16 Rider - Conventional Disk Scrubbing	T16-910-D	\$23,310.03	\$23,045.14	\$22,780.25
T16 Rider - Conventional Cylindrical Scrubbing	T16-910-C	\$23,310.03	\$23,045.14	\$22,780.25
Cleaning Technology: (conventional is standard, ec-H2O can also operate in conventional mode) (note 2)				
ec-H2O™	ec-H2O-T16	\$2,573.94	\$2,544.70	\$2,515.45
ES® Extended Scrub (Note 3)	ES-T16	\$2,988.90	\$2,954.93	\$2,920.97
Squeegee Material				
Linatex	9008127	N/C	N/C	N/C
Gum Rubber	9008129	N/C	N/C	N/C
Urethane	9008128	N/C	N/C	N/C
Battery Type (Notes 4-7)				
Wet 360 AH (in lieu of standard)	9008141	\$719.96	\$711.78	\$703.60
Sealed/MF AGM 312AH C/6 (in lieu of standard)	325818	\$3,112.14	\$3,076.78	\$3,041.41
HydroLink® Battery Watering System	9009620	\$496.52	\$490.88	\$485.24
Battery Exchange System (Notes 9 & 10)				
Rollout Battery System (roll-out gear in machine & battery case (no batteries) (Note 9b)	9008082	\$2,306.18	\$2,279.97	\$2,253.76
Extra Battery, 360 AH Wet (Note 10a)	9008523	\$1,537.45	\$1,519.98	\$1,502.51
Extra Rollout Steel Battery Case (no battery)	369483	\$391.90	\$387.45	\$382.99
EasyGlide™ Battery Cart (Note 10)	9007087	\$1,642.08	\$1,623.42	\$1,604.76
Charger (Note 10)	Reference Number			
21A 85-265V AC 50/60Hz 1Ph - Off-Board for Lead Acid Battery	9003372	N/C	N/C	N/C
21A 85-265V AC 50/60Hz 1Ph - Off-Board for Rollout System Only	9003373	N/C	N/C	N/C
20A 85-130V AC 50/60Hz 1Ph - On-Board Charger in lieu of standard	9008080	\$548.84	\$542.60	\$536.36
21A 85-265V AC 50/60Hz 1Ph - Off-Board charger for AGM Battery (In lieu of std)	314787	\$498.30	\$492.63	\$486.97
21A 85-265V AC 50/60Hz 1Ph - On Board for AGM Battery (Note 11A)	325824	\$1,452.33	\$1,435.83	\$1,419.32
UL Rating				
UL® Type ES (in lieu of std)	325825	\$1,907.18	\$1,885.51	\$1,863.84
Packages (Note 12)				
Heavy Duty Protection Package: OHG, Front Bumper, & Rear Squeegee Protection	9008530	\$2,024.22	\$2,001.22	\$1,978.22
Productivity Package - Scrubbing: Side Scrub Brush, Vac Wand, Spray Hose	9008531	\$3,558.13	\$3,517.69	\$3,477.26
Safety Light Package: LED Head Light and AV Backup Alarm (strobe warning light)	9008529	\$578.10	\$571.53	\$564.96
Cleaning Performance	Reference Number			
Pre-Sweep with Dual Side Brush (Note 3, 13, & 14)	9008048	\$4,145.97	\$4,098.86	\$4,051.75
Side Brush: RH Sweeping (Cylindrical Only) (Note 14)	9008526	\$2,068.55	\$2,045.05	\$2,021.54
Side Brush: RH Scrubbing	9008038	\$2,912.64	\$2,879.55	\$2,846.45
Vacuum Wand	9008046	\$575.44	\$568.90	\$562.36
Spray Nozzle with Hose	9008042	\$820.15	\$810.83	\$801.51
Dual Vacuum Fans (Note 15)	9008036	\$571.89	\$565.39	\$558.89
Drain Control Valve - Solution and Recover (Note 16)	325692	\$1,196.09	\$1,182.50	\$1,168.91
Solvent Based Degreaser, 5 Gal	9006770	N/C	N/C	N/C

Machine Protection & Safety	Reference Number	1 unit	2-5 units	6-8 units
Heavy Duty Front Bumper (Note 17)	9006922	\$621.54	\$614.48	\$607.42
Heavy Duty Squeegee Protection	9008066	\$485.88	\$480.36	\$474.84
Overhead Guard (order Heavy Duty Front Bumper also) (Note 18)	9008018	\$1,347.71	\$1,332.39	\$1,317.08
Deluxe Seat with Arm Rest (In Lieu of Standard) (Note 19)	9008032	\$377.71	\$373.42	\$369.13
Headlight(s) LED	9008068	\$262.45	\$259.47	\$256.48
AV BU Alarm-Strobe on Tank	9008138	\$444.21	\$439.16	\$434.12
Strobe Light on OHG	9008134	\$444.21	\$439.16	\$434.12
Alternate Strobe Lens				
Strobe Lens - Red	1027798	N/C	N/C	N/C
Strobe Lens - Blue	1027800	N/C	N/C	N/C
Fire Extinguisher	9008079	\$225.21	\$222.65	\$220.09
Trailer Transport Kit (cover latches for trailering)	9008057	\$125.90	\$124.47	\$123.04
Brushes and Pads	Reference Number			
Disk Scrubbing Brushes/Pads (2 Required)				
Polypropylene Brush (Disk, 2 required)	1220188	N/C	N/C	N/C
Nylon Brush (Disk, 2 required)	1220191	N/C	N/C	N/C
Super Abrasive Brush (Disk, 2 required)	1220190	\$272.20	\$269.11	\$266.02
Pad Driver	1220200	N/C	N/C	N/C
Pads				
Pad - Brown Stripping - 3M	11777	\$14.89	\$14.73	\$14.56
Pad - Blue Scrubbing - 3M	11778	\$14.89	\$14.73	\$14.56
Pad - Red Cleaning - 3M	11780	\$14.89	\$14.73	\$14.56
Pad - White Polishing - 3M	11781	\$14.89	\$14.73	\$14.56
Pad - Black Stripping - Hi Pro - 3M	370093	\$16.31	\$16.13	\$15.94
Cylindrical Scrubbing Brushes (2 Required)				
Polypropylene Brush (Cylindrical, 2 required)	1053893	N/C	N/C	N/C
Heavy Duty Polypropylene Brush (Cylindrical, 2 required)	1053894	N/C	N/C	N/C
Polyester Brush (Cylindrical, 2 required)	1053895	N/C	N/C	N/C
Super Abrasive Brush (Cylindrical, 2 required)	1062578	\$272.20	\$269.11	\$266.02
Disk Scrubbing Brush/Pad and Sweeping Brush for Side Brush Option (1 Required)				
Polypropylene Scrubbing Brush (Disk brush for side brush option)	1220240			
Polypropylene Sweeping Brush (Disk brush for side brush option - <i>Cylindrical only</i>)	1220186	N/C	N/C	N/C
Heavy Duty Polypropylene Brush (Disk brush for side brush option)	1220231	N/C	N/C	N/C
Nylon Brush (Disk brush for side brush option)	1220230	N/C	N/C	N/C
Super Abrasive Brush (Disk brush for side brush option)	1220232	\$272.20	\$269.11	\$266.02
Pad Driver	1220243	N/C	N/C	N/C
Pads				
Pad - Brown Stripping - 3M for side brush option	89046	\$10.24	\$10.13	\$10.01
Pad - Blue Scrubbing - 3M for side brush option	89047	\$10.24	\$10.13	\$10.01
Pad - Red Cleaning - 3M for side brush option	89048	\$10.24	\$10.13	\$10.01
Pad - White Polishing - 3M for side brush option	89049	\$10.24	\$10.13	\$10.01
Support (Note 20)	Reference Number			
Gold Performance Package (T16)	GPP007	\$4,707.41	\$4,707.41	\$4,707.41
Ultimate Performance Guarantee	50619	N/C	N/C	N/C
Additional Operator Manual (English)	9008142	\$39.01	\$38.57	\$38.13
Additional Operator Manual (Spanish)	9008143	\$39.01	\$38.57	\$38.13
Additional Operator Manual (French)	9008144	\$39.01	\$38.57	\$38.13
Service Manual	9008149	\$132.11	\$130.61	\$129.11
Machine Communication (Note 18)				
IRIS Telemetry Module	9009448	\$922.12	\$911.64	\$901.16
Packaging (Note 21)				
Crate - Non-Pre-Sweep (In lieu of standard)	9008063	\$886.65	\$876.57	\$866.50
Crate - Pre-Sweep (In lieu of standard)	9008056	\$886.65	\$876.57	\$866.50
Skid (In lieu of standard)	9008064	\$469.92	\$464.58	\$459.24

T16 Notes

2 Cleaning Solutions are available factory installed only; Select only one, none are available combined with another:
ES Extended Scrubbing system

ec-H2O™ option (Disk)

ec-H2O™ option (Cylindrical)

T16 ES includes the continuous cleaning ES filter system and detergent dispensing.

3 ES Extended Scrubbing System is not available with the Pre-Sweep System.

4 The battery compartment will fit six 6-volt batteries of this size:

Battery Size	Length	Width
	11.66 in	6.94 in
	295mm	175 mm

5 Model T16 Continuous Runtime Chart.

	Standard Capacity
T16 Base Unit (economy mode, main scrub only)	235AH
T16 Base Unit with RH Sidebrush	2.75 hours
T16 with Dual Vacuum Fans	2.25 hours
T16 with Pre-Sweep (dust control "off")	2.0 hours
T16 with Pre-Sweep (dust control "on")	N/A
The above runtimes are guidelines. Actual times will vary based on floor conditions, final machine configuration & usage	
The battery charger connector is a 50 amp Anderson (gray). The battery connector is an Anderson 175 amp connector (gray).	

6 To calculate weights with batteries add the following to the product "Net" or "Ship" weights:

235 AH Battery Pack = + 6 Batteries @ 67 lbs (30.4kg) each = 402 lbs (182.5 kg)
360 AH Battery Pack = + 6 Batteries @ 97 lbs (44 kg) each = 582 lbs (264.2 kg)

7 Expected Cycle Life: Cycle life is the number of charge cycles a battery is expected to last.

235 AH Battery = 500 Cycles
360 AH Battery = 500 Cycles

9a 9001052 battery charger can ONLY be ORDERED when ordering ROLLOUT SYSTEM also.

9b Rollout carts must be ordered separately. When ordering the Rollout Battery System, it is recommended that the customer upgrades to the 360 AH battery pack. System does not include batteries.

Should the customer wish to use their own battery supplier, they have 2 options:

- a. Buy batteries to fit in Tennant steel case - see below for internal dimensions.
- b. Buy their own steel case battery (there is no deduction for this) - see below for external dimensions.

External Dimensions:	Width	Length
	19.56 in	29.13 in
	495 mm	740 mm

Internal Dimensions:	Width	Length
	19.185 in	28.75 in
	485 mm	730 mm

An extra steel case can be ordered without batteries; part number is 369483.

10 Recommend purchase of two (2) 9007087 carts if you do not have a station to roll off the batteries on to.

10a 9008523 Extra Battery Pack (360 AH) in Steel Case for Rollout, may also order two (2) additional with Machine.

11 The battery charger connector is a 50 amp Anderson (gray). The battery connector is an Anderson 175 amp connector (gray).

11a The On-Board Charger for AGM batteries is a Custom Solution only. Custom Solutions may add to lead time of unit.

12 In order to receive the kit offer the kit part # MUST be ordered.

13 When ordering the Presweep, the customer can NOT order the RH Sidebrush, Head Light or SE Front Bumper
Due to the additional power consumption of the Presweep, it is recommended that the 360 AH batteries be purchased
Otherwise, the run-time will ONLY be 1 hour.

14 If unit is being sold for a Silica Dust application, only a Scrubbing Side Brush can be used. Pre-Sweep systems and Sweeping Side Brushes are prohibited.

15 When ordering the dual fans please note that both fans operate and runtime is affected, see note 3

16 Drain Control Valve - is available with dual drains only. No deduction is available for a single drain.

The length of hose for the Positive Drain control system is 10 ft (3 m).
Drain Control Valve is not compatible with the Heavy Duty Squeegee Guard.

17 The 9006922 SE Front Bumper bolts directly to the Frame. Front Corner Rollers are Removed.

If ordering OHG order 9008060 SE Front Bumper with OHG instead.

18 When ordering the Overhead Guard, the SE Bumper w/OHG PN 9008060 must also be ordered -Unless ordering Presweep.

19 A seatbelt is not offered with the basic seat, but the deluxe seat features a retractable seat belt standard.

20 Additional hard copy Operator and Parts Manuals can be ordered or digital copies can be downloaded from www.Tennantco.com.

IRIS Pre-Paid and Monthly Packages are available for the IRIS Information Service.

IRIS Module is required and NOT included in the price of the IRIS Information Service:

3 Year Pre-Paid IRIS Information Service	\$250
5 Year Pre-Paid IRIS Information Service	\$400

A monthly contract can be set up at \$10 per month w/ 12 month minimum commitment.

IRIS Telemetry Module only covers the price of the hardware.

IRIS Telemetry requires an IRIS Telemetry Module and an IRIS Information Service Package.

21 Pad wrap available only in the Continental US and is the default packaging method.

Crate is mandatory when shipping to AK and HI. Packaging is added at No Charge when shipping to these locations.

The destination kit (PN 9008063) includes the crate and all bracketry for shipping.

23 Shipping Weight and Dimensions	Pad Wrap	Crate
Weight (w/240AH Battery)	1900 lbs / 862 Kg	2100 lbs / 953 Kg
Length	74" / 1,880 mm	90" / 2,286 mm
Width	42" / 1,067 mm	55" / 1,397mm
Height	58" / 1,473 mm	66" / 1,677 mm

CMAS SIN 271-104 SCRUBBERS, RIDER

Model T17

BUILT-IN "TENNANT VALUE" INCLUDES:

1-Step™ One Button Scrub Operation	Onboard Diagnostics
Touch-N-Go™ Wheel Mounted Module	Steering Wheel Mounted Horn
Recover Tank Full & Solution Tank Empty Indicator	Steering Wheel Mounted Water Shut-Off
Non Marking Drive Wheel	Maintenance Free Scrub Brush and Propel Motors
Yellow Maintenance Touch Points	Duramer™ Tanks & Shrouds
Recovery Tank Debris Tray	Variable Flow Tank Drains
In-Line Vacuum Fan Filter	No-Tool Squeegee Change
Tracking Rear Parabolic Squeegee	No-Tool Brush Change
SmartRelease™ Breakaway Rear Squeegee	Full Wrap Steel Bumper with Front Cushioned Corner Rollers
Underwriters Laboratory (UL®) E Certified	

Base Configuration

	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type				
T17 MaxPro™ 1000 Scrubhead - Disk Conventional	T17-D	\$28,176.85	\$27,856.65	\$27,536.46
T17 MaxPro™ 1000 Scrubhead - Cylindrical Conventional (Note 1)	T17-C	\$28,699.08	\$28,372.96	\$28,046.83
Cleaning Technology: (conventional is standard, ec-H2O can also operate in conventional mode)				
ec-H2O™ with S.E. Switch Capability	ec-H2O-T17	\$2,970.28	\$2,936.52	\$2,902.77
ES® Extended Scrub (Note 2)	ES-T17	\$2,770.78	\$2,739.29	\$2,707.81
Squeegee Material				
Linatex	9020053	N/C	N/C	N/C
Gum Rubber	9020054	N/C	N/C	N/C
Urethane	9020055	N/C	N/C	N/C
Battery Type (Note 4-7)				
	Reference Number			
Wet 510AH C/6	9020112	\$3,681.37	\$3,639.54	\$3,597.70
Wet 750AH C/6	9020113	\$4,430.59	\$4,380.24	\$4,329.89
Wet Tubular 930AH C/6	9020114	\$6,717.26	\$6,640.93	\$6,564.59
Wet Tubular 930AH C/6 OC (Single Point Watering & Wi-iQ Monitor) *Opportunity Charger required	9017261	\$7,362.74	\$7,279.07	\$7,195.41
Battery Watering System	9020115	\$491.20	\$485.62	\$480.04
Battery Exchange System (Notes9-10)				
	Reference Number			
Battery Slide Out System	9020125	\$774.93	\$766.13	\$757.32
Extra Battery, 36V, 510AH Wet	1207937	\$4,706.34	\$4,652.86	\$4,599.38
Extra Battery, 36V, 750AH Wet	1207938	\$5,692.29	\$5,627.61	\$5,562.92
Extra Battery, 36V, 930AH Wet	1210313	\$8,279.54	\$8,185.45	\$8,091.37
Extra Battery, 36V, 510AH Wet with Watering Kit	1210314	\$4,898.74	\$4,843.07	\$4,787.41
Extra Battery, 36V, 750AH Wet with Watering Kit	1210315	\$6,076.21	\$6,007.16	\$5,938.12
Extra Battery, 36V, 930AH Wet with Watering Kit	1210316	\$8,648.38	\$8,550.11	\$8,451.83
Charger (Note 11-14)				
	Reference Number			
80A 200-240V AC 50/60 Hz 1Ph, High Frequency for 510AH Battery	1207933	\$2,116.43	\$2,092.38	\$2,068.33
80A 200-240V AC 50/60 Hz 3Ph, High Frequency for 510AH Battery	1207934	\$2,628.03	\$2,598.17	\$2,568.30
100A 200-240V AC 50/60 Hz 3Ph, High Frequency for 750AH and 930AH Battery	1212158	\$2,533.16	\$2,504.37	\$2,475.59
120A 480V AC 3Ph, High Frequency for 750AH and 930AH Battery	1207936	\$2,837.28	\$2,805.04	\$2,772.80
240A 480V AC 50/60Hz 3Ph - Opportunity Charger for 930AH Battery	1219396	\$3,975.74	\$3,930.56	\$3,885.38
UL Rating				
	Reference Number			
UL® Type ES (in lieu of standard)	9020143	\$2,599.66	\$2,570.12	\$2,540.57
Packages				
	Reference Number			
Productivity Package: Scrub SB, Vac Wand, and Spray Hose	9020048-9020079	\$3,434.88	\$3,395.85	\$3,356.82
Safety Light Package: LED Headlights and AV Back Up Alarm-Strobe (note 15)	9020104-9020108	\$580.76	\$574.16	\$567.56
Cleaning Performance				
	Reference Number			
Presweep with Dual Side Brush (Note 16 & 17)	9020059	\$4,393.35	\$4,343.43	\$4,293.50
Side Brush: RH Scrubbing	9020048	\$2,912.64	\$2,879.55	\$2,846.45
Side Brush: RH Sweeping (Cylindrical Only) (Note 17)	9020056	\$1,765.32	\$1,745.26	\$1,725.20
Side Brush: Dual Sweeping (Cylindrical Only) (Note 17 & 18)	9020205	\$3,301.88	\$3,264.36	\$3,226.84
Vacuum Wand	9020079	\$435.35	\$430.40	\$425.45
Spray Nozzle with Hose	9020075	\$829.02	\$819.60	\$810.18
Auto Fill (Solution Tank Only) (Note 21)	9020090	\$388.35	\$383.94	\$379.53
Recovery Tank Drain Control Valve (Note 22)	9020092	\$523.12	\$517.18	\$511.23
Machine Protection & Safety				
	Reference Number			
Heavy-Duty Squeegee Protection	9020025	\$491.20	\$485.62	\$480.04
Overhead Guard	9020028	\$1,414.21	\$1,398.14	\$1,382.07
Ramp Climb Kit (Note 23)	9013079	\$1,394.70	\$1,378.85	\$1,363.00
Power Steering	9020095	\$2,419.67	\$2,392.17	\$2,364.68
Deluxe Seat (in lieu of standard)	9020102	\$381.26	\$376.93	\$372.59
Front Tire, High Traction (in lieu of standard)	9020018	\$491.20	\$485.62	\$480.04
Rear Tires, High Traction, Non-Marking (in lieu of standard)	9020021	\$232.30	\$229.66	\$227.02
Headlight(s) LED (Note 15)	9020104	\$265.11	\$262.10	\$259.08
AV BU Alarm - Strobe on Tank	9020108	\$444.21	\$439.16	\$434.12
Strobe Light on Overhead Guard	9020106	\$311.21	\$307.68	\$304.14
Alternate Strobe Lens				
Strobe Lens - Red	1027798	N/C	N/C	N/C
Strobe Lens - Blue	1027800	N/C	N/C	N/C
Fire Extinguisher	9020138	\$225.21	\$222.65	\$220.09
Trailer Transport Kit	9020152	\$125.90	\$124.47	\$123.04

Brushes and Pads	Reference Number	1 unit	2-5 units	6-8 units
MaxPro™ 1000 Disk Scrubbing Brushes/Pads (2 Required)				
Polypropylene Brush (Disk, 2 required)	14953	N/C	N/C	N/C
Nylon Brush (Disk, 2 required)	14967	N/C	N/C	N/C
Super Abrasive Brush (Disk, 2 required)	378951	\$281.07	\$277.87	\$274.68
Pad Driver (Main)	397920	N/C	N/C	N/C
Pads				
Pad - Brown Stripping - 3M	17263	\$17.25	\$17.05	\$16.86
Pad - Blue Scrubbing - 3M	17262	\$17.25	\$17.05	\$16.86
Pad - Red Cleaning - 3M	17261	\$17.25	\$17.05	\$16.86
Pad - White Polishing - 3M	17260	\$17.25	\$17.05	\$16.86
Pad - Black Stripping - Hi Pro - 3M	370094	\$19.10	\$18.89	\$18.67
MaxPro™ 1000 Cylindrical Scrubbing Brushes (2 Required)				
Polypropylene Brush (Cylindrical, 2 required)	386230	N/C	N/C	N/C
Nylon Brush (Cylindrical, 2 required)	386250	N/C	N/C	N/C
Super Abrasive Brush (Cylindrical, 2 required)	386240	\$281.07	\$277.87	\$274.68
Side Scrub/Sweep Brushes (Standard with Side Brush Assembly - Pick One)				
Polypropylene Brush (Side brush)	1220241	N/C	N/C	N/C
Polypropylene Sweep Brush (Included w/option) (Side brush) - <i>Cylindrical only</i>	87419	N/C	N/C	N/C
Nylon Brush (Side brush)	1220235	N/C	N/C	N/C
Super Abrasive Brush (Side brush)	1221543	\$227.87	\$225.28	\$222.69
Pad Driver (Side Brush)	1220199	N/C	N/C	N/C
Pads				
Brown Stripping - 3M (pad for side brush option)	63248-1	\$13.04	\$12.89	\$12.74
Blue Scrubbing - 3M (pad for side brush option)	63248-2	\$13.04	\$12.89	\$12.74
Red Cleaning - 3M (pad for side brush option)	63248-3	\$13.04	\$12.89	\$12.74
White Polishing - 3M (pad for side brush option)	63248-4	\$13.04	\$12.89	\$12.74
Support (Note 24)				
Reference Number				
Gold Performance Package (T17)	GPP008	\$4,884.48	\$4,884.48	\$4,884.48
Ultimate Performance Guarantee	50619	N/C	N/C	N/C
Additional Operator Manual (English)	9020160	\$100.19	\$99.05	\$97.91
Additional Operator Manual (Spanish)	9020161	\$100.19	\$99.05	\$97.91
Additional Operator Manual (French)	9020162	\$100.19	\$99.05	\$97.91
Service Manual	9020167	\$132.11	\$130.61	\$129.11
Machine Communication (Note IRIS)				
IRIS Telemetry Module	9017310	\$922.12	\$911.64	\$901.16
Packaging (Note 25)				
Crate (in lieu of standard)	9020150	\$737.69	\$729.31	\$720.93
Non-Stackable Skid (in lieu of standard)	9020151	\$496.52	\$490.88	\$485.24

T17 Notes

- 1 Standard debris tray on cylindrical unit has a hole in the bottom for water drainage.
- 2 ES® Extended Scrub system is available factory installed only. This option includes Autofill feature and Detergent Metering system
- 3 Fuel Cell installs a prep kit to accept a fuel cell system by the customer. This option removes the need and ability to add a battery to the machine. Live Vacuum Wand (9018413) and Pressure Washer (9018411) CAN NOT be ordered with machines prepped for fuel cell. There is an interference between the hinges, lift cylinder, and the fuel cell itself that prevent this availability.

4 MODEL T17 - USE ONE 36 VOLT BATTERY
 Unit has one battery compartment that is available in three sizes: 510AH, 750AH and 930AH and two configurations (Standard and Slide Out). Size below is entire battery compartment.
 The battery format is an **Upright Forklift Battery** and the overall compartment dimensions are:

Length:	38.1 inch / 970 mm
Width:	16.3 inch / 415 mm
Height:	32.6 inch / 830 mm
Height (WITH slide out system):	31.3 inch / 795 mm
Maximum Weight:	2,300 lbs/1,045kg

5 Model T17 Continuous Runtime Chart. (up to)	510AH	750AH
Economy Mode, DP Level 1, ec-H2O	3.5 Hours	5.75 Hours
DP Level 1 on Main Head, plus Side Brush, ec-H2O	2.75 Hours	4.75 Hours
DP Level 3 on Main Head, ec-H2O	2.0 Hours	3.25 Hours
DP Level 2 on Main Head, plus Presweep, ec-H2O	1.75 Hours	2.75 Hours

The runtimes are guidelines. Actual times will vary based on floor conditions, final machine configuration & usage.

6 To calculate weights with batteries add the following to the product "Net" or "Ship" weights:

500 AH Battery = +1458 lbs / 663 kg
750 AH Battery = +2124 lbs / 965 kg
930 AH Battery = +2178 lbs / 990 kg

7 Expected Cycle Life: Cycle life is the number of charge cycles a battery is expected to last.

Type of Battery = Number of Cycles

510 AH Battery = 1200+ Cycles	Flat Plate Construction
750 AH Battery = 1200+ Cycles	Flat Plate Construction
930 AH Battery = 1500+ Cycles	Tubular Construction

9 Slide-out battery kit does not include battery extraction device.

10 For battery extraction, the height of the battery compartment is 20 inch / 510 mm off the floor

11 The chargers for the T17 may require a local electrician to wire them into the customers electrical system. Only the single phase charger comes with a cord, but the customer's outlet will determine the plug needs

12 Model T17 Charge Time Estimates*

	510AH	750AH
80A Output Charger	8 Hours	Not Recommended***
100A Output Charger	Not Advised**	9 Hours
120A Output Charger	Not Advised**	8 Hours
240A Output Charger (Opportunity Charger)	Not Advised**	Not Advised**

The 7300 did have a 150AH charger, but it's output was actually equivalent to the 120A charger due to charger efficiencies with the new charger technology

* These charge times are based on the High Frequency Charger Outputs, match to closest 7300 charger for est.

** It is not advised because the charger output would overheat the battery causing premature failure.

*** This Charger not recommended for the 750AH and 930AH requires reprogramming the algorithm to work properly with the

13 Opportunity Charging for the M17 Offering:

Wet Tubular 930AH C/6 battery is available for the Opportunity Charging system and can only be ordered with the 240A 480V AC 50/60Hz 3Ph Charger 1219396
 Opportunity Charger is only available with Wet 930AH Battery, 9017261
 Wet Tubular 930AH Battery for Opportunity Charging is standard with battery watering

14 Sales Rep Charger Kit 223683 is available for more convenient battery charging. The 120 volt "Smart" charger is recommended for occasional use only. An adaptor is available to connect the Anderson 175 on to the charger to the Anderson 350 connectors on the battery 363480 (order this adapter as a Custom Solution).

15 Head Light option and safety light package is not available with presweep, Headlights are standard on the presweep

16 When ordering the Presweep and High Traction Front Tire, power steering (PN 9020095) is recommended. Includes 2 Polypropylene Sweeping Side Brushes (87419) and 1 Polypropylene Wedge Sweeping Brush (1211934).

17 If unit is being sold for a Silica Dust application, only a Scrubbing Side Brush can be used. Pre-Sweep systems and Sweeping Side Brushes are prohibited.

18 The LH sweeping side brush can NOT be ordered separately.

19 The Live Wand is a dry vacuum wand only and cannot be ordered with the Fuel Cell, High Pressure Spray, Wet Vacuum Wand or Battery Slide Out.

20 High Pressure Spray cannot be ordered with: Fuel Cell, Live Wand, Wet Vacuum Wand, Battery Slide Out, ES, or Spray Nozzle w/Hose.

21 This Auto-Fill is Available only with Conventional and ec-H2O machines (fills Soluton Tank). It is included in the ES equipped machines (fills Solution Tank-100% and Recovery Tank-50%).

22 Includes a single drain hose that attaches to the drain valve...provides 10 ft / 3 m reach.

23 The Ramp Climb Kit includes a front ballast weight behind the bumper: PN 9013079 (machine is 1.4" / 35 mm longer) and the High Traction Front tire (PN 9020018). Power Assisted Steering (PN 9020095) recommended with this option. Not available with the Pre-Sweep unit (PN 9020059)

24 Additional hard copy Operator and Parts Manuals can be ordered or digital copies can be downloaded from www.Tennantco.com.

IRIS Pre-Paid and Monthly Packages are available for the IRIS Information Service.

IRIS Module is required and NOT included in the price of the IRIS Information Service:	
3 Year Pre-Paid IRIS Information Service	\$250.00
5 Year Pre-Paid IRIS Information Service	\$400.00

A monthly contract can be set up at \$10 per month w/ 12 month minimum commitment.

IRIS Telemetry Module only covers the price of the hardware.

IRIS Telemetry requires an IRIS Telemetry Module and an IRIS Information Service Package.

25 Pad wrap available only in the Continental US and is the default packaging method.

Crate or Skid is mandatory when shipping to AK and HI. Packaging is added at No Charge when shipping to these locations.

A Skid is the only packaging option for the Pre-sweep equipped unit, no crate is available

CMAS SIN 271-104 SCRUBBERS, RIDER

T20

BUILT-IN "TENNANT VALUE" INCLUDES:

<p>50 hp (37kW) 2.0 L Gas/LP Engine EPA Tier 3 24.8 hp (19 kW) 1.5 L Kubota Diesel EPA Tier 4i Engine MaxPro²™ Hydraulic Technology 1-Step™ One Button Operation Touch-N-Go™ Wheel Mounted Module Steering Wheel Mounted Horn Steering Wheel Mounted Water Shut Off Recovery Tank Full/Solution Tank Empty Indicator Yellow Maintenance Touch Points Low Oil Pressure/High Coolant Temp Shutdown (G/LPG only) Built-In Maintenance Diagnostics w/ Service Reminder ErgoSpace™ Operator Compartment Tilt Steering Wheel w/ Horn Deluxe Suspension Seat Retractable Seat Belt Ergonomic Propel Pedal Operator Video and Interactive DVD Operator Manual and Parts Manual Operator Checklist and Wall Chart Underwriters Laboratory (UL®) Certification ec-H2O™ Cleaning Solution Includes: <i>Electrically Converted Water Technology System</i> <i>Two Scrubbing Modes: ec-H2O™ & Conventional Scrubbing</i></p>	<p>Standard Cylindrical or Disk Brushes (Select type) Hygienic® Solution and Recovery Tanks 80 gal (303 L) Solution Tank 95 gal (360 L) Recovery Tank 15 gal (57 L) Demisting Chamber Dura-Track™ Parabolic Rear Squeegee SmartRelease™ Breakaway System Linatex Squeegees Reverse and Double Scrubbing Capable Variable Drain Valves™ No Tool Squeegee & Brush Change EZ-Change™ Disk Brushes with Rotating Scrub Deck EZ-Remove™ Debris Tray (Cylindrical only) 1.1 ft³ (31 L) or 110 lbs (50 kg) Usable Capacity Wheels and Handle for Transportation Integrated Water Evacuation System Grip-N-Go™ Corner Rollers Head, Tail and Back-up Lights Cup Holder</p>
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Base Configuration

	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type				
T20 Gasoline (Petrol) Disk Scrubber	T20-D-G	\$45,377.85	\$44,346.54	\$43,315.22
T20 LPG Disk (Includes LP Tank) Scrubber	T20-D-LP	\$45,377.85	\$44,346.54	\$43,315.22
T20 Diesel Disk Scrubber Conventional	T20-D-DSL	\$48,583.98	\$47,479.80	\$46,375.62
T20 Gasoline (Petrol) Cylindrical Scrubber	T20-C-G	\$45,377.85	\$44,346.54	\$43,315.22
T20 LPG Cylindrical (Includes LP Tank) Scrubber	T20-C-LP	\$45,377.85	\$44,346.54	\$43,315.22
T20 Diesel Cylindrical Scrubber	T20-C-DSL	\$48,583.98	\$47,479.80	\$46,375.62
Trim Level				
Pro Panel	P-T20	\$1,963.93	\$1,919.29	\$1,874.66
Cleaning Technology: (conventional is standard, ec-H2O (note 1))				
ec-H2O™	ec-H2O-T20	\$3,473.01	\$3,394.08	\$3,315.14
ES® Extended Scrub	ES-T20	\$3,330.26	\$3,254.57	\$3,178.88
Squeegee Material				
Urethane (in lieu of standard) (note 2)	9001854	\$557.70	\$545.03	\$532.35
LP Tank				
Empty LP tank, 33 lb (15 kg) w/ Outage & Filler valve (In Lieu of standard)	24928-1	N/C	N/C	N/C
UL Rating				
UL® Label - Type LPS (In Lieu of Standard)	325202	\$3,434.88	\$3,356.82	\$3,278.75

Packages

Productivity Package - Includes: Side Brush (Select Sweeping or Scrubbing), Vacuum Wand, and Spray Nozzle w/ Hose	PRD-T20	\$4,117.60	\$4,024.02	\$3,930.44
Heavy Duty Protection Package - Includes: Heavy Duty Squeegee Protection and Overhead Guard	HDP-T20	\$1,452.33	\$1,419.32	\$1,386.32

Cleaning Performance

	Reference Number			
Side Brush: RH Scrubbing (Disk Scrub Head)	9002742	\$3,548.37	\$3,467.73	\$3,387.08
Side Brush: RH Sweeping OR Scrubbing (Cylindrical Scrub Head)	9002754	\$3,548.37	\$3,467.73	\$3,387.08
Power Wand (w/Prep Kit) for ec-H2O™, FaST™ or Conventional (Note 3)	9002404	\$1,262.59	\$1,233.89	\$1,205.20
Power Wand (w/Prep Kit) for ES Extended Scrub (Note 3)	9002405	\$4,630.09	\$4,524.86	\$4,419.63
Vacuum Wand (Note 3)	9002990	\$653.46	\$638.61	\$623.76
Spray Nozzle with Hose for ec-H2O™, FaST™ or Conventional	9002403	\$834.34	\$815.38	\$796.41
Spray Nozzle with Hose for ES Extended Scrub	9001932	\$4,203.61	\$4,108.07	\$4,012.53
High Pressure Spray (Note 4)	9016310	\$3,216.77	\$3,143.66	\$3,070.55
Power Wand and Spray Nozzle for ec-H2O™, FaST™ or Conventional (Note 3)	9002406	\$2,096.93	\$2,049.27	\$2,001.61
Power Wand and Spray Nozzle for ES Extended Scrub (Note 3)	9001933	\$5,455.56	\$5,331.57	\$5,207.58
Solvent Based Degreaser, 5 Gal (non-FaST Units)	9006770	N/C	N/C	N/C

T20 Continued...

	Reference Number	1 unit	2-5 units	6-8 units
Machine Protection & Safety				
Heavy Duty Rear Bumper	9001874	\$612.68	\$598.75	\$584.83
Heavy Duty Squeegee Protection	9001828	\$612.68	\$598.75	\$584.83
Overhead Guard	9001313	\$1,167.72	\$1,141.18	\$1,114.64
Rear Tires, High Traction, Non-Marking (in lieu of standard)	9011029	\$578.10	\$564.96	\$551.82
Audio Back-up Alarm	9001320	\$222.55	\$217.49	\$212.43
BU Alarm - Flash on Tank	9003492	\$478.79	\$467.91	\$457.03
BU Alarm - Flash on OHG	9003486	\$478.79	\$467.91	\$457.03
Flashing Light (only) on Tank	9001326	\$326.29	\$318.87	\$311.46
Flashing Light (only) on OHG	9001716	\$326.29	\$318.87	\$311.46
BU Alarm - Strobe on Tank	9003493	\$478.79	\$467.91	\$457.03
BU Alarm - Strobe on OHG	9003488	\$478.79	\$467.91	\$457.03
Strobe Light (only) on Tank	9001330	\$326.29	\$318.87	\$311.46
Strobe Light (only) on OHG	9001715	\$326.29	\$318.87	\$311.46
Alternate Strobe Lens				
Strobe Lens - Red	1027798	\$19.51	\$19.06	\$18.62
Strobe Lens - Blue	1027800	\$19.51	\$19.06	\$18.62
High Coolant Temperature Shutdown (DIESEL ONLY) Custom Solution	325433	\$996.59	\$973.94	\$951.29
Fire Extinguisher	9001315	\$100.19	\$97.91	\$95.64
Transportation Kit	9002674	\$126.79	\$123.91	\$121.03
Brushes and Pads				
Disk Scrubbing Brushes/Pads (3 Required)				
Polypropylene Brush (Disk, 3 required)	1220237	N/C	N/C	N/C
Nylon Brush (Disk, 3 required)	1220238	N/C	N/C	N/C
Super Abrasive Brush (Disk, 3 required)	1220239	\$126.79	\$123.91	\$121.03
Pad Driver - Dura-Safe				
Pad Driver - Polypropylene	1220221	N/C	N/C	N/C
Pads				
Pad - Brown Stripping - 3M	222327	\$11.17	\$10.92	\$10.66
Pad - Blue Scrubbing - 3M	222326	\$11.17	\$10.92	\$10.66
Pad - Red Cleaning - 3M	222325	\$11.17	\$10.92	\$10.66
Pad - White Polishing - 3M	222324	\$11.17	\$10.92	\$10.66
Pad - Black Stripping - Hi Pro - 3M	370091	\$13.04	\$12.74	\$12.44
Cylindrical Scrubbing Brushes (2 Required)				
Polypropylene Brush (Cylindrical, 2 required)	1026223	N/C	N/C	N/C
Heavy Duty Polypropylene Brush (Cylindrical, 2 required)	1030969	N/C	N/C	N/C
Polypropylene, Window Brush (Cylindrical, 2 required)	1040524	N/C	N/C	N/C
Polyester Brush (Cylindrical, 2 required)	1027697	N/C	N/C	N/C
Super Abrasive Brush (Cylindrical, 2 required)	1026222	\$170.24	\$166.37	\$162.50
Super Abrasive, Window Brush (Cylindrical, 2 required)	1059640	\$170.24	\$166.37	\$162.50
Side Scrub/Sweep Brushes (Standard with Side Brush Assembly - Pick One)				
Polypropylene, Scrubbing Brush (Side brush, Standard w/side brush assy)	1220236	N/C	N/C	N/C
Polypropylene, Sweeping Brush (Cyl Only) (Note 4) (Side brush, Standard w/side brush assy)	1220185	N/C	N/C	N/C
Nylon Brush (Side brush, Standard w/side brush assy)	1220235	N/C	N/C	N/C
Super Abrasive Brush (Side brush, Standard w/side brush assy)	1221543	\$238.51	\$233.09	\$227.67
Support				
Gold Performance Package				
Gold Performance Package	GPP009	\$7,150.13	\$7,150.13	\$7,150.13
Ultimate Performance Guarantee				
Ultimate Performance Guarantee	50619	N/C	N/C	N/C
Additional Operator Manual G/LP				
Additional Operator Manual G/LP	331470	\$39.01	\$38.13	\$37.24
Additional Operator Manual Diesel	331500	\$39.01	\$38.13	\$37.24
Additional Operator Manual G/LP (Spanish)	331472	\$39.01	\$38.13	\$37.24
Additional Operator Manual Diesel (Spanish)	331502	\$39.01	\$38.13	\$37.24
Additional Operator Manual G/LP (French)	331473	\$39.01	\$38.13	\$37.24
Additional Operator Manual Diesel (French)	331503	\$39.01	\$38.13	\$37.24
Service Manual	331475	\$132.11	\$129.11	\$126.11
Machine Communication (Note 6)				
IRIS Telemetry Module	9009396	\$922.12	\$901.16	\$880.20
Packaging (Note 7)				
Crate (in lieu of standard)	9001840	\$1,043.59	\$1,019.87	\$996.15
Skid (in lieu of standard)	9001841	\$553.27	\$540.70	\$528.12

T20 Notes

1 ES Extended Scrubbing System is available factory installed only. This option includes autofill feature and detergent metering. When ordering this option you must also deduct FaST (PN 9001348).

Cleaning Solutions are available factory installed only; Select only one, none are available combined with another:

ec-H2O™ option Cyl with Side Brush	9007122
ec-H2O™ option Cyl without Side Brush	9007123
ec-H2O™ option Disk with Side Brush	9007124
ec-H2O™ option Disk without Side Brush	9007125
ES Extended Scrub System w/ AutoFill	9001799
ec-H2O™ option Disk without Side Brush	9007125
ES Extended Scrub System w/ AutoFill	9001799

2 Dura-Track™ Squeegee Kit contains: one rear and one front blade for the rear squeegee and two blades for the scrub head side squeegee. Side Brush Squeegee Kit contains: one side brush squeegee blade and side brush squeegee hardware.

3 Vacuum wand option cannot be ordered with any powerwand options.

4 Spray Nozzle w/Hose and High Pressure Spray cannot be ordered together.
High Pressure Spray is not available with the Productivity Package.

5 Only available with Cylindrical units

6 Pre-Paid and Monthly Packages are available for the IRIS Information Service. IRIS Module is required and NOT included in the price of the IRIS Information Service:

3 Year Pre-Paid IRIS Information Service	\$250.00
5 Year Pre-Paid IRIS Information Service	\$400.00

A monthly contract can be set up at \$10 per month w/ 12 month minimum commitment.

IRIS Telemetry Module only covers the price of the hardware. IRIS Telemetry requires an IRIS Telemetry Module and an IRIS Information Service Package.

7 Pad wrap available only in the Continental US and is the default packaging method.

Crate is mandatory when shipping to AK and HI. Packaging is added at No Charge when shipping to these locations.

**Sweepers
6100**

CMAS SIN 271-104 SWEEPERS, RIDER

BUILT-IN "TENANT VALUE" INCLUDES:

Glide-In/Out Wheeled Hopper	Panel Filter with VCS® System
Color-Coded Wiring	Low Effort Steering
Corrosion-Proof Hopper & Shrouds	Cup Holder
Corner Rollers All-Around	360° Visibility
Removable Side Panels	Self Adjusting Recirculation Skirt
High Visibility Operation Decals	High Flow Radial Discharge Fan
Auto-On Side Brush	36" Doorway Pass-Through Clearance
WipeClean™ Polyethylene Shrouds	Wet 225AH C/20
Retractable Side brush Assembly	21A 85-265V AC 50/60Hz 1Ph Charger
Hour Meter	Large Built-In Utility Tray
Standard Main Sweeping Brush (Select One)	Battery Discharge Indicator
Standard Side Sweeping Brush (Select One)	Power Shutdown Switch
InstantAccess™ Filter	Heavy-Duty Motor Controller (p/n 83187)
No-Tool Brush & Filter Change	

CUSTOM Options May Add 1 Week Or More to Standard Lead Times

Base Configuration	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type				
6100 Battery Rider Sweeper	6100-B	\$10,745.14	\$10,579.83	\$10,414.52
Battery Type (Note 1 and 2)				
Sealed/MF Gel 180AH C/20 (in lieu of standard)	324448	\$1,258.09	\$1,238.73	\$1,219.38
HydroLink® Battery Watering Kit	9009620	\$374.61	\$368.85	\$363.08
Battery Exchange System (Note 4)				
Battery Roll-Out	83357	\$485.29	\$477.82	\$470.36
Additional Battery, 220 AH Wet (w/steel case)	83359	\$802.92	\$790.57	\$778.22
Steel Case (no battery)	83365	\$223.32	\$219.89	\$216.45
Battery Cart EasyGlide™	369444	\$1,157.88	\$1,140.07	\$1,122.26
Charger				
21A 85-265V AC 50/60Hz 1Ph Gel Battery (in lieu of standard)	314567	\$101.51	\$99.95	\$98.39
21A 85-265V AC 50/60Hz 1Ph - On Board for Wet 225AH Battery	326246	\$979.09	\$964.03	\$948.97
Packages				
HEPA Dust Filter Package - Right Hand Side Brush (Note 5) Includes: Dry Dust Control (RH), HEPA Filter System	HDR-6100	\$3,458.59	\$3,405.38	\$3,352.17
HEPA Dust Filter Package - Dual Side Brush (Note 5) Includes: Dry Dust Control (Dual), HEPA Filter System	HDD-6100	\$3,752.64	\$3,694.91	\$3,637.18
Cleaning Performance				
Dual Sweeping Side Brush (Note 6)	83228	\$529.82	\$521.67	\$513.52
Side Brush Dust Control, Dry, Right Hand	326579	\$552.75	\$544.24	\$535.74
Side Brush Dust Control, Dry, Dual	326593	\$846.80	\$833.77	\$820.75
QuickMop® Dry Mop (Note 7)	83198	\$1,087.81	\$1,071.07	\$1,054.34
Blue Mop	83347	N/C	N/C	N/C
White Mop	83348	N/C	N/C	N/C
High Performance Vacuum Wand (dual vacuum motors) (Note 8)	83436	\$1,036.07	\$1,020.13	\$1,004.19
High Performance Vacuum Wand w/On-Board Charger (dual vacuum motors) (Note 8)	83436-326589	\$2,368.82	\$2,332.37	\$2,295.93
Vacuum Wand (Note 8)	83230	\$895.26	\$881.49	\$867.72
Vacuum Wand w/On-Board Charger (Note 8)	83230-326589	\$2,228.66	\$2,194.38	\$2,160.09
Hepa Filter System - (Note 9)	324539	\$2,907.15	\$2,862.43	\$2,817.70
Machine Protection & Safety				
Side Bumper GlideBy™ Protective Side Molding [Not w/rollout 83357]	83434	\$98.24	\$96.73	\$95.21
Adjustable Seat (front/back)	83193	\$74.01	\$72.87	\$71.73
Seat Belt	83266	\$75.97	\$74.80	\$73.63
Rear Tires, Solid, Non-Marking (in lieu of standard)	374178	\$163.73	\$161.21	\$158.69
Audio BU Alarm w/o vac wand	384497	\$254.11	\$250.20	\$246.29
Audio BU Alarm with vac wand	384498	\$254.11	\$250.20	\$246.29
AV BU Alarm w/ Strobe Light on Lintel w/o vac wand	374350	\$349.72	\$344.34	\$338.96
AV BU Alarm w/ Strobe Light on Lintel with vac wand	374349	\$349.72	\$344.34	\$338.96
Strobe Light on Lintel w/o vac wand	83208	\$250.18	\$246.33	\$242.48
Strobe Light on Lintel with vac wand	374200	\$250.18	\$246.33	\$242.48
Alternate Strobe Lens				
Strobe Lens - Red	1027798	N/C	N/C	N/C
Strobe Lens - Blue	1027800	N/C	N/C	N/C
Work Light, Single	83202	\$191.89	\$188.94	\$185.98
Fire Extinguisher	83220	\$102.17	\$100.59	\$99.02
Brushes and Pads				
Main Sweeping Brushes				
Polypropylene Brush - Main Brush	81888	N/C	N/C	N/C
Polypropylene, Window Brush - Main Brush	370048	N/C	N/C	N/C
Union Mix Brush (Note 10) - Main Brush	83031	\$129.67	\$127.68	\$125.68
Sand Wedge Brush - Main Brush	83030	\$129.67	\$127.68	\$125.68
Side Sweeping Brushes				
Polypropylene Brush - Side brush	80042	N/C	N/C	N/C
Heavy Duty Polypropylene Brush - Side brush	378804	N/C	N/C	N/C

Support	Reference Number	1 unit	2-5 units	6-8 units
Gold Performance Package (6100)	GPP003	\$4,531.28	\$4,531.28	\$4,531.28
Extended Warranty (Note 11)	42405	\$1,070.13	\$1,053.66	\$1,037.20
Ultimate Performance Guarantee	50619	N/C	N/C	N/C
Additional Operator Manual (English)	330250	\$75.97	\$74.80	\$73.63
Additional Operator Manual (Spanish)	330252	\$75.97	\$74.80	\$73.63
Additional Operator Manual (French)	330253	\$75.97	\$74.80	\$73.63
Service Manual	330255	\$98.89	\$97.37	\$95.85
Machine Communication (Note 12)				
IRIS Telemetry Module	9009510	\$681.11	\$670.63	\$660.15
Packaging (Note 13)				
Crate (in lieu of standard)	83353	\$301.26	\$296.62	\$291.99
Skid (in lieu of standard)	375230	\$301.26	\$296.62	\$291.99

6100 Notes

1 According to the manufacturer, new batteries do not develop full energy (run time) potential until after a couple months of use. This "burn-in" period is usually 50 charge cycles. Average run times are 3.4 hours for standard and 4.8 hours for heavy duty batteries.

Model 6100 Continuous Runtime Chart (220 AH Battery Package):

	Run Time
1. QuickMop® dry mopping only	10 hours
2. Sweeping (Main and single side brush)	3.5 hours
3. Sweeping (Main and dual side brush)	3.25 hours

The above runtimes are guidelines. Actual times will vary based on floor conditions, final machine configuration and usage.

2 Should the customer wish to use their own battery supplier, they have two options:

- Buy batteries to fit in our steel case - see below for internal dimensions.
- Buy their own steel case battery (there is no deduction for this) - see below for external dimensions.

	Width	Height
External Dimensions:	22.18 in. 563 mm	21.24 in. 539 mm
Internal Dimensions:	21.81 in. 554 mm	20.88 in. 530 mm

An extra steel case can be ordered without batteries; part number 369483.

Battery compartment is 21.62 in. (550 mm) x 22.24 in. (565 mm) x 14.50 in. (365 mm).
Max weight 480 lbs (220kg).

3 Continental USA orders ONLY.

4 Recommend purchase of 2 (two) carts if you do not have a station to roll off the batteries on to.

5 HEPA Dust Filter Package is not available with an On-Board Charger.
Package is not available with either the Vacuum Wand or the High Performance Vacuum Wand.
The HEPA Dust Filter Package will ship with 2 extra HEPA filters for a total of 3 filters at the time of delivery.

6 Dual Side Brush cannot be equipped on units with the HEPA Dust Filter Package - Right Hand

7 The QuickMop® comes with one set of floor mops. There are two types from which to select (please select one).
You will need to order a quantity of (2) of either of the following part numbers for each QuickMop™ assembly.

Color	Application
Blue Mops	Finished Floor Applications
Natural (White) Mops	Concrete Floor Applications

8 Reach of vacuum wand is 11 feet, comes with a box of 10 vacuum bags (p/n1067452).
Cannot be equipped with the HEPA Dust Filter Package.

9 The HEPA Filter System cannot be equipped on units with an On-Board Charger or Vacuum Wand option
HEPA Filter System requires Side Brush Dust Control, Dry also be added to the machine.

10 The Union Mix Brush is commonly used for Carpet

11 Warranty Plus Extended Warranty includes an additional 18 months trip and labor coverage.

12 IRIS Telemetry is not available on machines with the Battery Roll Out System.
Pre-Paid and Monthly Packages are available for the IRIS Information Service. IRIS Module is required and NOT included in the price of the IRIS Information Service:
3 Year Pre-Paid IRIS Information Service \$250.00
5 Year Pre-Paid IRIS Information Service \$400.00
A monthly contract can be set up at \$10 per month w/ 12 month minimum commitment.
IRIS Telemetry Module only covers the price of the hardware. IRIS Telemetry requires an IRIS Telemetry Module and an IRIS Information Service Package.

13 Pad wrap available only in the Continental US and is the default packaging method.
Crate is mandatory when shipping to AK and HI. Packaging is added at No Charge when shipping to these locations.

Shipping Weights and Dimensions	Pad Wrap	Crate
Weight	1009 lbs / 458 Kg	1300 lbs / 590 Kg
Length	60" / 1520 mm	80" / 2032 mm
Width	32" / 805 mm	46" / 1169 mm
Height	46" / 1180 mm	52" / 1321 mm

CMAS SIN 271-104 SWEEPERS, RIDER

Model 6200

BUILT-IN "TENANT VALUE" INCLUDES:

- | | |
|---|-----------------------------------|
| Wet 240AH C/20 Batteries (p/n 383952) | Wet Sweeping Bypass |
| 21A 85-265V AC 50/60Hz 1Ph Charger (p/n 383963) | Foot Pedal-Controlled Debris Flap |
| Battery Discharge Indicator | Color-Coded Wiring |
| Power Shutdown Switch | Hour Meter |
| Heavy-Duty Motor Controller | High Visibility Operation Decals |
| High-Dump Hopper | Auto-On Side Brush |
| Retractable Sidebrush Assembly | 360° Visibility |
| Standard Main Sweeping Brush (Select One) | Cup Holder |
| Standard Side Sweeping Brush (Select One) | Corrosion-Proof Shrouds |
| InstantAccess™ Filter | Corner Rollers All-Around |
| Panel Filter with VCS® System | Removable Side Panels |
| No-Tool Brush & Filter Change | WipeClean™ Polyethylene Shrouds |
| Self Adjusting Recirculation Skirt | |
| High Flow Radial Discharge Fan | |

CUSTOM Options May Add 1 Week Or More to Standard Lead Times

Base Configuration

	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type				
6200 Battery Rider Sweeper	6200-B	\$21,754.84	\$21,260.41	\$20,765.98
Battery Type (Note 1-4)				
Wet 360 AH C/20 (In lieu of standard)	383956	\$403.43	\$394.26	\$385.09
Sealed/MF Gel 180AH C/20 (in lieu of standard)	324445	\$2,780.53	\$2,717.34	\$2,654.15
Sealed/MF AGM 200AH C/20 (in lieu of standard)	324447	\$3,074.02	\$3,004.15	\$2,934.29
HydroLink® Battery Watering Kit (Note 5)	9009620	\$507.16	\$495.64	\$484.11
Battery Exchange System (Note 6-7)				
Battery Roll-Out	383984	\$697.79	\$681.93	\$666.08
Additional Battery, Wet 360AH C/20 (w/steel case)	383999	\$1,394.70	\$1,363.00	\$1,331.30
Steel Case (no battery)	369483	\$526.67	\$514.70	\$502.73
Battery Cart EasyGlide™	369362	\$1,650.94	\$1,613.42	\$1,575.90
Charger				
21A 85-265V AC 50/60Hz 1Ph for Gel Battery	314567	\$287.27	\$280.75	\$274.22

Cleaning Performance

	Reference Number			
Dual Sweeping Side Brush	383964	\$717.30	\$701.00	\$684.70
QuickMop® Dry Mop (Note 8)	383995	\$1,392.04	\$1,360.40	\$1,328.77
Blue Mops (Finished Floor Application)	83347	N/C	N/C	N/C
Natural (White) Mops (Concrete Floor Application)	83348	N/C	N/C	N/C
Vacuum Wand (Note 9)	383888	\$1,212.05	\$1,184.50	\$1,156.96

Machine Protection & Safety

	Reference Number			
Overhead Guard	384189	\$1,081.71	\$1,057.13	\$1,032.54
Deluxe Seat (In lieu of Standard)	383970	\$561.25	\$548.49	\$535.74
Adjustable Seat (front/back)	383972	\$98.42	\$96.18	\$93.94
Seat Belt	384037	\$96.64	\$94.45	\$92.25
Headlights/Tail Lights	384066	\$392.79	\$383.86	\$374.93
Audio BU Alarm	384120	\$332.49	\$324.94	\$317.38
Audio BU Alarm w/Flashing Light On Lintel	384120-384126	\$651.69	\$636.88	\$622.07
Audio BU Alarm w/Flashing Light On OHG	384120-384122	\$651.69	\$636.88	\$622.07
Audio BU Alarm w/Revolving Light On Lintel	384120-384128	\$651.69	\$636.88	\$622.07
Audio BU Alarm w/Revolving Light On OHG	384120-384124	\$651.69	\$636.88	\$622.07
Flashing Light without Overhead Guard	384126	\$320.97	\$313.67	\$306.38
Flashing Light with Overhead Guard	384122	\$320.97	\$313.67	\$306.38
Revolving Light without Overhead Guard	384128	\$320.97	\$313.67	\$306.38
Revolving Light with Overhead Guard	384124	\$320.97	\$313.67	\$306.38
Strobe Lens - Red	58518	N/C	N/C	N/C
Strobe Lens - Blue	58519	N/C	N/C	N/C
Fire Extinguisher	384148	\$223.44	\$218.36	\$213.28

Brushes

	Reference Number			
Main Sweeping Brushes				
Polypropylene Brush - Main Brush	383487	N/C	N/C	N/C
Polypropylene, Window Brush - Main Brush	370049	N/C	N/C	N/C
Union Mix Brush (Note 10) - Main Brush	383993	\$83.35	\$81.45	\$79.56
Polypropylene, Sand Wedge Brush - Main Brush	383992	\$83.35	\$81.45	\$79.56
Side Sweeping Brushes				
Polypropylene Brush - Side Brush	383753	N/C	N/C	N/C
Heavy Duty Polypropylene Brush - Side Brush	384068	N/C	N/C	N/C

Support

	Reference Number			
Gold Performance Packag	GPP004	\$4,531.28	\$4,531.28	\$4,531.28
Extended Warranty	42405	\$1,432.83	\$1,400.26	\$1,367.70
Ultimate Performance Guarantee	50619	N/C	N/C	N/C
Additional Operator Manual - English	330410	\$100.19	\$97.91	\$95.64
Additional Operator Manual - Spanish	330412	\$100.19	\$97.91	\$95.64
Additional Operator Manual - French	330413	\$100.19	\$97.91	\$95.64
Service Manual	330415	\$132.11	\$129.11	\$126.11
Machine Communication (Note 11)				
IRIS Telemetry Module	9009518	\$922.12	\$901.16	\$880.20
Packaging (Note 12)				
Crate (Note 12) (In lieu of standard)	384061	\$398.99	\$389.92	\$380.86
Skid w/Carbon, Non-Stackable (In lieu of standard)	375156	\$212.80	\$207.96	\$203.12

Notes

1 According to the manufacturer, new batteries do not develop full energy (run time) potential until after a couple months of use. This "burn-in" period is usually 50 charge cycles. Average run times are 3.4 hours for standard and 4.8 hours for heavy duty batteries.

2 The battery connector is an Anderson SB50 connector.

3 Continental USA orders ONLY.

4 Battery compartment is 19.69 in. (500 mm) x 29.56 in. (751 mm) x 15.11 in. (384 mm). Max weight 725 lbs (330kg).

5 Not available with AGM or Gel Batteries. Factory installed only.

6 Should the customer wish to use their own battery supplier, they have two options:

- a. Buy batteries to fit in our steel case - see below for internal dimensions.
- b. Buy their own steel case battery (there is no deduction for this) - see below for external dimensions.

External Dimensions:	Width 19.56 in. 497 mm	Height 29.13 in 740 mm
Internal Dimensions:	19.19 in. 487 mm	28.76 in 731 mm

An extra steel case can be ordered without batteries; part number 369483.

Additional battery carts can also be ordered if the intention is to store and charge on the cart. Order quantity 2

7 Recommend purchase of 2 (two) carts if you do not have a station to roll off the batteries on to.

8 The QuickMop® comes with one set of floor mops. There are two types from which to select (please select one). You will need to order a quantity of (2) of either of the following part numbers for each QuickMop™ assembly.

Color	Application
Blue Mops	Finished Floor Applications
Natural (White) Mops	Concrete Floor Applications

9 Reach of vacuum wand is 11 feet, comes with a box of 10 vacuum bags (p/n 83269).

10 The Union Mix Brush is commonly used for Carpet

11 Pre-Paid and Monthly Packages are available for the IRIS Information Service. IRIS Module is required and NOT included in the price of the IRIS Information Service:

3 Year Pre-Paid IRIS Information Service	\$250.00
5 Year Pre-Paid IRIS Information Service	\$400.00

A monthly contract can be set up at \$10 per month w/ 12 month minimum commitment.

IRIS Telemetry Module only covers the price of the hardware. IRIS Telemetry requires an IRIS Telemetry Module and an IRIS Information Service Package.

12 Pad wrap available only in the Continental US and is the default packaging method.

Crate is mandatory when shipping to AK and HI. Packaging is added at No Charge when shipping to these locations.

12 The crate kit includes the crate and all bracketry for shipping.

13 Shipping Weights and Dimensions	Pad Wrap	Crate
Weight	1500 lbs / 680 Kg	1750 lbs / 794 Kg
Length	77" / 1956 mm	90" / 2286 mm
Width	49" / 1245 mm	55" / 1397 mm
Height	57" / 1448 mm	66" / 1676 mm

CMAS SIN 271-104 SWEEPERS, RIDER

Model S20

BUILT-IN "TENNANT VALUE" INCLUDES:

Power Steering	Retractable Right Hand Side Brush
Tilt Steering Wheel w/horn	Wet Sweeping By-Pass
50" (1270mm) Sweep Path	UL-Label (Type E)
60" (1525 mm) Multi-level Dump	T-Beam Super-Structure Frame
No-Tool Brush Change	Steel-Channel Wraparound Bumper
SweepSmart™ 3-stage air filtration & dust control	Hour Meter
Stage 1: Perma-filter™	Battery Discharge Indicator
Stage 2: Cyclonic pre-filter	Head lights & tail lights
Stage 3: Nanofiber, surface loading filter (no tool change)	Heavy duty Vac Fan & Muffler
80.0 ft ² (7.4 m ²) Pleated Media	SE Hydraulic Filter and Filter Bypass Indicator Light
Dust filter-/Hopper door-/Hydraulic oil filter-indicator light	Hopper skid plate
Thermo-Sentry™ Hopper Fire Sensor	Seat occupancy interlock safety switch
InstantAccess™ Filter Change	Main and Sidebrush Select 1 (Standard)
11 ft ³ (310 L) Hopper Volume Capacity	Operator and parts manual
650 lb (295 kg) Hopper Load Capacity	

Base Configuration

Cleaning Type	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
S20 Battery (does NOT include Battery or Charger)	S20-B	\$33,347.79	\$32,968.84	\$32,210.93
Battery Type (Notes 1-7)				
Wet 340AH C/6	9006342	\$2,808.91	\$2,776.99	\$2,713.15
Wet 420AH C/20	9006335	\$1,404.45	\$1,388.49	\$1,356.57
Wet 440AH C/6	9006348	\$3,681.37	\$3,639.54	\$3,555.87
Charger				
60A 200-240V AC 50/60 Hz 1Ph (All Battery Types)	1074819	\$1,594.20	\$1,576.08	\$1,539.85
60A 200-240V AC 50/60 Hz 3PH, HIGH FREQUENCY (All Battery Types)	1074820	\$1,840.69	\$1,819.77	\$1,777.93
144A 208/240V AC 50/60Hz 1Ph (340AH / 440AH Battery Only) (Note 8)	1227937	\$3,152.93	\$3,117.10	\$3,045.44
160A 208/240V AC 50/60Hz 3Ph (340AH / 440AH Battery Only) (Note 8)	1227938	\$3,760.28	\$3,717.55	\$3,632.09
160A 480V AC 50/60Hz 3Ph (340AH / 440AH Battery Only) (Note 8)	1219389	\$3,620.19	\$3,579.05	\$3,496.78
UL Rating				
UL® Label - Type ES (in lieu of standard)	325624	\$2,884.27	\$2,851.50	\$2,785.94

Packages

Productivity Package: (Includes Dual Side Brush & Vac Wand)	9006321	\$2,476.41	\$2,448.27	\$2,391.99
HEPA Dust Filter Package - Right Hand Side Brush (Note 9) - Dry				
Dust Control (RH), HEPA Filter System	HDR-S20	\$5,132.82	\$5,074.49	\$4,957.83
HEPA Dust Filter Package - Dual Side Brush (Note 9) - Dry Dust Control (Dual), HEPA Filter System	Custom Solution HDD-S20	\$5,522.06	\$5,459.30	\$5,333.80

Cleaning Performance

	Reference Number			
Side Brush: Dual	9006039	\$2,049.93	\$2,026.64	\$1,980.05
Side Brush Dust Control, WaterShield™ Wet, Right Hand	9016722	\$2,220.17	\$2,194.94	\$2,144.48
Side Brush Dust Control, WaterShield™ Wet, Dual	9016723	\$2,619.16	\$2,589.40	\$2,529.87
Side Brush Dust Control, Dry, Right Hand	9005851	\$740.35	\$731.94	\$715.11
Side Brush Dust Control, Dry, Dual	9005852	\$1,138.46	\$1,125.52	\$1,099.65
Vacuum Wand	9005859	\$794.44	\$785.41	\$767.36

Machine Protection & Safety

	Reference Number			
Heavy Duty Front Bumpers	325610	\$594.94	\$588.18	\$574.66
Heavy Duty Rear Bumpers	9005862	\$474.36	\$468.97	\$458.19
Overhead Guard (incl rear view mirror)	9005853	\$1,101.22	\$1,088.71	\$1,063.68
Cab Assembly: Soft Side (Note 11&12)	9005857	\$3,947.37	\$3,902.51	\$3,812.80
Cab Assembly: Soft Side Note 11&12)	9006305	\$3,947.37	\$3,902.51	\$3,812.80
Deluxe Seat w/Armrest (Note 13)	9005861	\$448.64	\$443.55	\$433.35
Seat Belt (Standard Seat Only, standard on Deluxe Seat)	9006157	\$96.64	\$95.55	\$93.35
Rearview Mirror Mounted on Lintel (N/A with Cab or OHG)	325614	\$292.59	\$289.27	\$282.62
Rear Tire, Solid Non Marking (in lieu of standard)	9011699	N/C	N/C	N/C
AV Back Up Alarm and Flashing Light on Engine Cover (Note 12)	9005550	\$614.45	\$607.47	\$593.50
AV Back Up Alarm and Flashing Light on OHG or Cab (Note 12)	9005551	\$614.45	\$607.47	\$593.50
AV Back Up Alarm and Strobe Light on Engine Cover (Note 12)	9005552	\$614.45	\$607.47	\$593.50
AV Back Up Alarm and Strobe Light on OHG or Cab (Note 12)	9005553	\$614.45	\$607.47	\$593.50
Alternate Lens				
Lens - Red	1027798	N/C	N/C	N/C
Lens - Blue	1027800	N/C	N/C	N/C
Fire Extinguisher	9006006	\$100.19	\$99.05	\$96.78
Slow Moving Vehicle Sign	325621	\$260.68	\$257.71	\$251.79

Brushes (Note 15 & 16)

	Reference Number			
Main Brush				
Polypropylene Brush - main brush	87099	N/C	N/C	N/C
Polypropylene & Wire Brush - main brush	87097	N/C	N/C	N/C
Polypropylene Window Brush - main brush	370010	\$166.69	\$164.80	\$161.01
Polyester Brush - main brush	87334	N/C	N/C	N/C
Polyester Full Fill Brush - main brush	87333	\$166.69	\$164.80	\$161.01
Union Mix Brush - main brush	385947	\$166.69	\$164.80	\$161.01
Sand Wedge Brush - main brush	370025	\$166.69	\$164.80	\$161.01
Side Sweep Brushes (Standard with Side Brush Assembly - Pick One)				
Polypropylene - side brush, std w/side brush assy	59431	N/C	N/C	N/C
Nylon - side brush, std w/side brush assy	08013N	N/C	N/C	N/C
Flat-Wire (For Curb Cleaning) - side brush, std w/side brush assy	59432	N/C	N/C	N/C

Support (Note 17)	Reference Number	1 unit	2-5 units	6-8 units
Gold Performance Package	GPP005	\$4,531.28	\$4,531.28	\$4,531.28
Ultimate Performance Guarantee	50619	N/C	N/C	N/C
Additional Operator Manual Battery (English)	9006704	\$39.01	\$38.57	\$37.68
Additional Operator Manual Battery (Spanish)	9006705	\$39.01	\$38.57	\$37.68
Additional Operator Manual Battery (French)	9006706	\$39.01	\$38.57	\$37.68
Service Manual	9006709	\$132.11	\$130.61	\$127.61
Machine Communication (Note IRIS)				
IRIS Telemetry Module	9009710	\$922.12	\$911.64	\$890.68
Packaging (Note 18)				
Crate (in lieu of std)	360381	\$602.92	\$596.07	\$582.37
Skid (in lieu of std)	366031	\$310.33	\$306.80	\$299.75

Custom Solutions	Reference Number	1 unit	2-5 units	6-8 units
Weatherproof Manual Pouch	325714	\$140.09	\$138.50	\$135.31

S20 Notes

- 1 Model S20 Continuous Runtime Chart.- Up to:
- | | |
|--|-----------|
| Sweeping | |
| Standard Capacity Package: 420AH | 3 hours |
| Standard Capacity Long Life Package: 340AH | 3.5 hours |
| High Capacity Long Life Package: 440AH | 4 hours |

The above runtimes are guidelines. Actual times will vary based on floor conditions, final machine configuration and usage.

340AH Battery is not currently available in California

- 2 The battery connectors are as follows:
- | |
|--|
| Anderson 175Amp Gray at the Charger Connection |
| Anderson 175Amp Orange at the Battery Connection |
| 420AH 9006354, 340AH & 440AH 9006355 |
- Prep Kits when ordering w/o Battery

- 3 Below is a table that indicates the maximum size each 18 Volt battery that will fit in the compartment.

Weight	Length	Width
660 lbs	19.12 in	11.00 in
300 kg	485 mm	280 mm

- 4 Sales Rep Charger Kit, PN 1074797, is available for more convenient battery charging. The 115 volt "Smart" charger (also used on Model 235E and 6400) is recommended for occasional use only.

- 5 To calculate weights with batteries add the following to the product "Net" or "Ship" weights:
- 340AH Batteries = + 540 lbs each (2 required)
420AH Batteries = + 115 lbs (6 required)
440AH Batteries = + 600 lbs each (2 required)

- 6 Continental USA orders ONLY.

- 7 Expected Cycle Life: Cycle life is the number of charge cycles a battery is expected to last.

Type of Battery = Number of Cycles	Brand
340AH Batteries = 1500 Cycles	Exide
420AH Batteries = 500 Cycles	Trojan
440AH Batteries = 1500 Cycles	Exide

It is essential that the batteries be properly maintained in order to reach these cycle life levels. For proper battery maintenance please advise your customer to refer to the manual.

- 8 These are the only chargers that can be sold in the state of California per state regulation. These chargers can also be sold outside of California.

- 9 HEPA Dust Filter Package cannot be ordered with the Productivity Package and is not compatible with Water Shield Wet Dust Control. If both the Productivity Package and HEPA Dust Filter Package are required, you must order the HEPA Filter System and Dry Dust Control separately. HEPA Dust Filter Package cannot be ordered with the Heavy Duty Front Bumper. HEPA Dust Filter Package for Dual Side Brush does include the Dual Side Brush option. HEPA Dust Filter Package for RH Side Brush **DOES** include the RH Side Brush Dust Control option. Both HEPA Dust Filter Packages are Custom Solutions and may add to the lead time of the machine.

- 10 HEPA Filter Sytem requires Side Brush Dust Control - Dry
HEPA Filter System is not available with Water Shield Wet Dust Control.
- 11 Includes OHG, Windshield, rear view mirror, windshield wiper, and fan.
- 12 Configuration will request you select a Back Up alarm (choice of flashing or strobe) when ordering Cab w/Alarm.
- 13 Deluxe Seat cannot be ordered with the Soft Side Cab.
- 14 DO NOT ORDER if Outdoor Safety Package (PN 325620 or 325827) are ordered
- 15 All main brushes are directly interchangeable with those for a 235, 6400 and S20.
All side brushes are directly interchangeable with those for a 355, 385, 6400 and S20.
- 16 To demonstrate continued sweeping performance even if brush is worn, order PN 370005 Half-Worn Poly & Wire Demo Brush.
- 17 Additional hard copy Operator and Parts Manuals can be ordered or digital copies can be downloaded from www.Tennantco.com.

- IRIS Pre-Paid and Monthly Packages are available for the IRIS Information Service.
IRIS Module is required and NOT included in the price of the IRIS Information Service:
- | | |
|--|----------|
| 3 Year Pre-Paid IRIS Information Service | \$250.00 |
| 5 Year Pre-Paid IRIS Information Service | \$400.00 |
- A monthly contract can be set up at \$10 per month w/ 12 month minimum commitment.
IRIS Telemetry Module only covers the price of the hardware.
IRIS Telemetry requires an IRIS Telemetry Module and an IRIS Information Service Package.

- 18 Pad wrap available only in the Continental US and is the default packaging method.
Crate or Skid is mandatory when shipping to AK and HI. Packaging is added at No Charge when shipping to these locations.

- 20 Part numbers beginning with "CP" followed by a 6-digit number, or a 6-digit number with the first three digits "324 & 325" indicate a CUSTOM option or accessory. Please keep in mind that these items may require a longer delivery time.

- 21 Shipping Weights
- | | | |
|--------|--------------------|--------------------|
| | Pad Wrap | Crate |
| Weight | 2975 lbs / 1350 Kg | 2650 lbs / 1202 Kg |

CMAS SIN 271-104 SWEEPERS, RIDER

S20

BUILT-IN "TENNANT VALUE" INCLUDES:

Power Steering	24.8 HP (18.5 kW) Tier IV CARB Gas/LP Engine
Tilt Steering Wheel w/horn	18.5 HP (13.8 kW) Tier IV CARB Diesel Engine
50" (1270mm) Sweep Path	SE Hydraulic Filter and Filter Bypass Indicator Light
60" (1525 mm) Multi-level Dump	Retractable Right Hand Side Brush
No-Tool Brush Change	Wet Sweeping By-Pass
SweepSmart™ 3-stage air filtration & dust control	Headlights and Taillights
Stage 1: Perma-filter™	Hour Meter
Stage 2: Cyclonic pre-filter	Industrial-Grade Radiator
Stage 3: Nanofiber, surface loading canister filter	Engine Air filter indicator
80 ft² (7.4 m²) Pleated Media	Oil Pressure Indicator
Nanofiber filtration of 0.5 micron particles @ 99% efficiency	Engine Coolant Temperature Indicator
Dust filter-/Hopper door-/Hydraulic oil filter-indicator light	Battery voltage indicator Light
Thermo-Sentry™ Hopper Fire Sensor	Fuel Level Gauge
InstantAccess™ Filter Change	T-Beam Super-Structure Frame
11 ft³ (310 L) Hopper Volume Capacity	Steel-Channel Wraparound Bumper
750 lb (340 kg) Hopper Load Capacity	Hopper skid plate
UL-Label (Type G, LP, or D)	Main and Sidebrush Select 1 (Standard)
Heavy duty Vac Fan & Muffler	

Base Configuration	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type				
S20 Gasoline (Petrol) (Note 1)	S20-G	\$30,871.38	\$30,520.56	\$29,818.94
S20 LPG (Includes LP Tank) (Note 1 and 2)	S20-LP	\$30,871.38	\$30,520.56	\$29,818.94
S20 Diesel (Note 3)	S20-DSL	\$34,248.62	\$33,859.44	\$33,081.06
LP Tank				
LP tank, 33 lb (15 kg) w/ Outage & Filler valve - Empty (in lieu of std)	24928-1	N/C	N/C	N/C
Alternate Muffler				
Purifying Muffler (Diesel only)	325607	\$1,376.08	\$1,360.44	\$1,329.17
High Rise Air Intake w/Precleaner	325606	\$649.03	\$641.65	\$626.90
UL Rating				
UL@ Label - Type LPS (in lieu of std)	325613	\$3,434.88	\$3,395.85	\$3,317.78

Package	Reference Number	1 unit	2-5 units	6-8 units
Heavy Duty Protection Package: Steel Hopper, Tower Bumpers (front and rear) & Soft Ride Tires (solid soft-ride rear+hard front) - NOT AVAILABLE W/Dual Side Brush) (Note 4)	325652	\$2,476.41	\$2,448.27	\$2,391.99
Outdoor Equipment Package: Wide Track Radial Pneumatic Tire Package; Deluxe Suspension Seat.	325609	\$1,470.95	\$1,454.24	\$1,420.81
Outdoor Safety Package w/o OHG or Cab : Strobing light, Audio Visual Backup Alarm, Turn Signals and Brake Lights, Slow Moving Vehicle Sign and Fire Extinguisher.	325620	\$2,106.68	\$2,082.74	\$2,034.86
Outdoor Safety Package w/OHG or Cab: Strobing light, Audio Visual Backup Alarm, Turn Signals and Brake Lights, Slow Moving Vehicle Sign and Fire Extinguisher.	325827	\$2,106.68	\$2,082.74	\$2,034.86
Productivity Package: Dual Side Brush & Vac Wand	9006320	\$2,476.41	\$2,448.27	\$2,391.99
HEPA Dust Filter Package - Right Hand Side Brush (Note 5) Includes: Dry Dust Control (RH), HEPA Filter System	326615	\$5,132.82	\$5,074.49	\$4,957.83
HEPA Dust Filter Package - Dual Side Brush (Note 5) Includes: Dry Dust Control (Dual), HEPA Filter System	326623	\$5,522.06	\$5,459.30	\$5,333.80

Cleaning Performance	Reference Number	1 unit	2-5 units	6-8 units
Side Brush: Dual	326414	\$2,049.93	\$2,026.64	\$1,980.05
Side Brush Dust Control, WaterShield™ Wet, Right Hand	326415	\$2,220.17	\$2,194.94	\$2,144.48
Side Brush Dust Control, WaterShield™ Wet, Dual	9016721	\$2,619.16	\$2,589.40	\$2,529.87
Side Brush Dust Control, Dry, Right Hand	9005851	\$740.35	\$731.94	\$715.11
Side Brush Dust Control, Dry, Dual	9005852	\$1,138.46	\$1,125.52	\$1,099.65
Vacuum Wand	9005859	\$794.44	\$785.41	\$767.36

Machine Protection & Safety	Reference Number	1 unit	2-5 units	6-8 units
Heavy Duty Front Bumpers	325610	\$594.94	\$588.18	\$574.66
Heavy Duty Rear Bumpers	9005862	\$474.36	\$468.97	\$458.19
Overhead Guard (incl rear view mirror)	9005853	\$1,101.22	\$1,088.71	\$1,063.68
Cab Assembly: Soft Side (Note 7 & 8)	9005855	\$3,947.37	\$3,902.51	\$3,812.80
Cab Assembly: Soft Side (Note 7 & 8)	9006295	\$3,947.37	\$3,902.51	\$3,812.80
Heater Gas/LP (must order Cab)	25623	\$2,173.18	\$2,148.48	\$2,099.09
Heater Diesel (must order Cab)	325622	\$2,173.18	\$2,148.48	\$2,099.09
Steel Hopper	9005865	\$2,315.04	\$2,288.74	\$2,236.12
Deluxe Seat w/Armrest (Note 9)	9005861	\$448.64	\$443.55	\$433.35
Seat Belt (Standard Seat Only, standard on Deluxe Seat)	9006157	\$96.64	\$95.55	\$93.35
Rearview Mirror Mounted on Lintel (N/A with Cab or OHG)	325614	\$292.59	\$289.27	\$282.62
Front Tires, Soft Ride Solid, (in lieu of standard)	9011692	\$362.64	\$358.52	\$350.28
Front Tires, Soft Ride Solid, Non Marking (in lieu of standard)	9011693	\$429.14	\$424.26	\$414.51
Front Tires, Pneumatic Radial(in lieu of standard)	9011690	\$491.20	\$485.62	\$474.46
Rear Tire, Soft Ride Solid (in lieu of standard)	9011698	\$212.80	\$210.38	\$205.54
Rear Tire, Soft Ride Solid Non Marking (in lieu of standard)	9011700	\$164.03	\$162.17	\$158.44
Rear Tire, Pneumatic Radial (in lieu of standard)	9011697	\$256.24	\$253.33	\$247.51
AV BU Alarm and Flashing Light on Engine Cover (Note 10)	9005471	\$614.45	\$607.47	\$593.50
AV BU Alarm and Flashing Light on OHG or Cab (Note 10)	9005545	\$614.45	\$607.47	\$593.50
AV BU Alarm and Strobe Light on Engine Cover (Note 10)	9005546	\$614.45	\$607.47	\$593.50
AV BU Alarm and Strobe Light on OHG or Cab (Note 10)	9005547	\$614.45	\$607.47	\$593.50
Alternate Strobe Lens				
Strobe Lens - Red	1027798	N/C	N/C	N/C
Strobe Lens - Blue	1027800	N/C	N/C	N/C
Turn Signals with 4 Way Flashers	325552	\$1,281.21	\$1,266.65	\$1,237.53
Fire Extinguisher	9006006	\$100.19	\$99.05	\$96.78
Slow Moving Vehicle Sign	325621	\$260.68	\$257.71	\$251.79
Low-Oil Pressure Shutdown (G/LPG ONLY)	325694	\$306.78	\$303.29	\$296.32
Protect-Seal Fuel Cap	325605	\$322.74	\$319.07	\$311.74

Brushes (Note 11 & 12)	Reference Number	1 unit	2-5 units	6-8 units
Main Brush				
Polypropylene Brush - Main Brush	87099	N/C	N/C	N/C
Polypropylene & Wire Brush - Main Brush	87097	N/C	N/C	N/C
Polypropylene Window Brush - Main Brush	370010	\$166.69	\$164.80	\$161.01
Polyester Brush - Main Brush	87334	N/C	N/C	N/C
Polyester Full Fill Brush - Main Brush	87333	\$166.69	\$164.80	\$161.01
Union Mix Brush - Main Brush	385947	\$166.69	\$164.80	\$161.01
Sand Wedge Brush - Main Brush	370025	\$166.69	\$164.80	\$161.01

Side Sweep Brushes (Standard with Side Brush Assembly - Pick One)

Polypropylene - Side brush	59431	N/C	N/C	N/C
Nylon - Side brush	08013N	N/C	N/C	N/C
Flat-Wire (For Curb Cleaning) - Side brush	59432	N/C	N/C	N/C

Support

	Reference Number			
Gold Performance Plan (S20)	GPP005	\$4,531.28	\$4,531.28	\$4,531.28
Ultimate Performance Guarantee	50619	N/C	N/C	N/C
Additional Operator Manual G/LP (English)	9006719	\$39.01	\$38.57	\$37.68
Additional Operator Manual Diesel (English)	9006712	\$39.01	\$38.57	\$37.68
Additional Operator Manual G/LP (Spanish)	9006720	\$39.01	\$38.57	\$37.68
Additional Operator Manual Diesel (Spanish)	9006713	\$39.01	\$38.57	\$37.68
Additional Operator Manual G/LP (French)	9006721	\$39.01	\$38.57	\$37.68
Additional Operator Manual Diesel (French)	9006714	\$39.01	\$38.57	\$37.68
Service Manual	9006724	\$132.11	\$130.61	\$127.61

Machine Communication (Note Iris)

IRIS Telemetry Module	9009709	\$922.12	\$911.64	\$890.68
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Packaging (Note 13)

Skid (in lieu of std)	366031	\$310.33	\$306.80	\$299.75
Crate (in lieu of std)	360381	\$602.92	\$596.07	\$582.37

Custom Solutions

Weatherproof Manual Pouch	325714	\$140.09	\$138.50	\$135.31
Rear Tow Ring	325706	\$385.69	\$381.31	\$372.54

S20 Notes

- Both the Gasoline (Petrol) and LPG versions of the S20 are not available in the state of California as they are not CARB certified.
- LP models come equipped with one 33-lb. vertical, liquid-withdrawal tank.
- ENGINE EMISSION CERTIFICATION: We cannot certify that engine emissions will meet a particular customer's tolerable limits. Air quality standards are determined by the concentration of exhaust in the air. Concentrations will depend upon the volume of air in the building and ventilation rates.

An Oxycatalyst Muffler is available, as a special, to help reduce emission levels.
- The dual side brush option can NOT be ordered with the with Steel Hopper
- HEPA Dust Filter Package cannot be ordered with the Productivity Package and is not compatible with Water Shield Wet Dust Control. If both the Productivity Package and HEPA Dust Filter Package are required, you must order the HEPA Filter System and Dry Dust Control separately.
HEPA Dust Filter Package cannot be ordered with the Heavy Duty Protection Package or the Heavy Duty Front Bumper.
The HEPA Dust Filter Package will ship with 2 extra HEPA filters for a total of 3 filters at the time of delivery.
When ordering the HEPA Dust Filter Package, the High Rise Air Intake (326420) is recommended.
HEPA Dust Filter Package for Dual Side Brush does include the Dual Side Brush Dust Control option.
HEPA Dust Filter Package for RH Side Brush does include the RH Side Brush Dust Control option.
Both HEPA Dust Filter Packages are Custom Solutions and may add to the lead time of the machine.
- HEPA Filter System requires Side Brush Dust Control - Dry
HEPA Filter System is not available with Water Shield Wet Dust Control.
- Includes OHG, Windshield, rear view mirror, windshield wiper, and fan.
- Configuration will request you select a Back Up alarm (choice of flashing or strobe) when ordering Cab w/Alarm.
- Deluxe Seat cannot be ordered with the Soft Side Cab.
- DO NOT ORDER if Outdoor Safety Package (PN 325620 or 325827) are ordered
- All main brushes are directly interchangeable with those for a 235, 6400 and S20.
All side brushes are directly interchangeable with those for a 355, 385, 6400 and S20.
- To demonstrate continued sweeping performance even if brush is worn, order PN 370005 Half-Worn Poly & Wire Demo Brush.

IRIS Pre-Paid and Monthly Packages are available for the IRIS Information Service.
IRIS Module is required and NOT included in the price of the IRIS Information Service:
3 Year Pre-Paid IRIS Information Service \$250.00
5 Year Pre-Paid IRIS Information Service \$400.00
A monthly contract can be set up at \$10 per month w/ 12 month minimum commitment.
IRIS Telemetry Module only covers the price of the hardware.
IRIS Telemetry requires an IRIS Telemetry Module and an IRIS Information Service Package.

13 Pad wrap available only in the Continental US and is the default packaging method.
Skid or Crate is mandatory when shipping to AK and HI. Packaging is added at No Charge when shipping to these locations.

14 Part numbers beginning with "CP" followed by a 6-digit number, or a 6-digit number with the first three digits "324 & 325" indicate a CUSTOM option or accessory. Please keep in mind that these items may require a longer delivery time.

15 Shipping Weights and Dimensions

	<u>Pad Wrap</u>	<u>Crate</u>
Weight	2450 lbs / 1110 Kg	2650 lbs / 1202 Kg
Length	83" / 2090 mm	90" / 2286 mm
Width	49" / 1230 mm	55" / 1397 mm
Height	50" / 1260 mm	64" / 1626 mm

CMAS SIN 271-104 SWEEPERS, RIDER

Model S30

BUILT-IN "TENNANT VALUE" INCLUDES:

<p>50 hp (37 kW) 2.0 L @ 2300 RPMs Gas/LP Engine EPA Tier 3 24.8 hp (19 kW) 1.5 L Kubota Diesel EPA Tier 4i Engine @2300 RPMs Catalytic muffler (G/LPG only) Rugged construction: Steel T-beam frame and channel wraparound bumper Triple accessory pumps Oversized, industrial hydraulics and oil cooler 21 in (535 mm) Soft ride solid front tires 18 in (460 mm) solid rear tires on 3 wheel models 15.5 in (395 mm) foam-filled rear tires on 4 wheel model Head and Tail Lights High-Capacity, Duramer™ Multi-Level Dump Hopper 14 ft³ (396 L) or 1080 lbs (490 kg) Usable Capacity 60-inch (152 cm) Variable Dump Height Thermo-Sentry™ Hopper Fire Sensor Locking Hopper Safety Arm ErgoSpace™ Operator Compartment: Tilt Steering Wheel w/ Horn Adjustable Propel Pedal XP and X4 Models include: 1-STEP™ Button Memory Controls (Sweeping) Built-In Maintenance Diagnostics w/ Service Reminder Deluxe Suspension Seat w/ retractable belt Operator and Parts Manual Underwriters Laboratory (UL®) Certification, G, LP, D</p>	<p>SweepMax® Plus 3 stage air filtration and dust control Stage 1: Perma-filter™ Stage 2: SweepMax Plus Cyclonic pre-filter Stage 3: Nanofiber, surface loading cannister filter (no tool change) - 80 ft² (7.4 m²) Pleated Media - Nanofiber filtration of (up to) .5 micron particles @ 99% efficiency II-Speed™ sweeping system 62.5 in (1590 mm) Sweeping path w/ single side broom No tool brush change Wet sweeping by-pass Damage-resistant, spring loaded recirculation flap S30 Touch-N-Go™ Operation Panel: LCD Screen Display Hour meter Fuel Level Indicator Water & Hydraulic Temperature Indicators Clogged Filter Indicator Battery Indicator Low Oil Pressure/High Coolant Temp Shutdown (G/LPG only) Glow plug indicator (Diesel) Check engine indicator (G/LPG) Hopper door open & closed indicator Standard main brush (Select One) Retractable standard side brush (Select One)</p>
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Base Configuration

	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type				
S30 Gasoline (Petrol)	S30-G	\$37,304.02	\$36,880.11	\$36,032.29
S30 LP (Includes LP Tank) (Note 2)	S30-LP	\$37,304.02	\$36,880.11	\$36,032.29
S30 Diesel	S30-DSL	\$40,634.28	\$40,172.52	\$39,249.02
Trim Level (Note 3)				
XP (includes Plastic Hopper, Electronic Controls, Deluxe Seat, Solid Rubber Front and Rear Tires)	XP-S30	\$3,832.99	\$3,789.43	\$3,702.32
X4 (includes Plastic Hopper, Electronic Controls, Deluxe Seat, Solid Rubber Front Tires, Foam Filled)	X4-S30	\$6,603.77	\$6,528.73	\$6,378.64
LP tank, 33 lb (15 kg) w/ Outage & Filler valve - Empty (in lieu of std)	24928-1	N/C	N/C	N/C
Purifying Muffler (Diesel Only)	325644	\$1,547.20	\$1,529.62	\$1,494.46
High Rise Air Intake w/Precleaner	325686	\$1,376.08	\$1,360.44	\$1,329.17
UL Rating				
UL® Label - Type LPS (in lieu of standard)	325930	\$3,197.26	\$3,160.93	\$3,088.26

Packages

	Reference Number	1 unit	2-5 units	6-8 units
Heavy Duty Protection Package Steel Hopper, Rear Tower Bumpers & Solid Front/Rear Tires (3 Wheel Only) (Note 4)	9004101	\$4,896.08	\$4,840.44	\$4,729.17
Productivity Package (Left hand side brush & Rear Tower Bumpers - XP and X4 w/plastic hopper only)	9004491	\$1,556.07	\$1,538.39	\$1,503.02
Safety Light Package (Flashing Light and A/V Back-up Alarm): Indoor	9003863	\$588.74	\$582.05	\$568.66
Safety Light Package (StrobeLight, A/V Back-up Alarm Turn Signal/Brake Light): Outdoor	9003803	\$986.84	\$975.63	\$953.20
HEPA Dust Filter Package - Right Hand Side Brush (Note 5) Includes: Dry Dust Control (RH), HEPA Filter System	HDR-S30	\$6,414.03	\$6,341.14	\$6,195.37
HEPA Dust Filter Package - Dual Side Brush (Note 5 & 6) Includes: Dry Dust Control (Dual), HEPA Filter System	HDD-S30	\$6,907.00	\$6,828.51	\$6,671.54
HEPA Filtered Cab Package (Note 6) Includes: Cab, AC/Heater/Pressurizer, HEPA Cab Filter	HFC-S30	\$18,499.95	\$18,289.72	\$17,869.27

Cleaning Performance

	Reference Number	1 unit	2-5 units	6-8 units
Side Brush: Dual (XP & X4 Plastic Hopper Only) (Note 6)	9003395	\$1,366.33	\$1,350.80	\$1,319.75
Side Brush Dust Control, WaterShield™ Wet, Right Hand	9016088	\$2,419.67	\$2,392.17	\$2,337.18
Side Brush Dust Control, WaterShield™ Wet, Dual (Note 6)	9016089	\$2,808.91	\$2,776.99	\$2,713.15
Side Brush Dust Control, Dry, Right Hand	9017880	\$1,727.19	\$1,707.57	\$1,668.31
Side Brush Dust Control, Dry, Dual (Note 6)	9017881	\$2,220.17	\$2,194.94	\$2,144.48
Vacuum Wand	325685	\$1,024.97	\$1,013.32	\$990.03
Blower Wand Attachment (Diesel Machines Only)	326103	\$1,366.33	\$1,350.80	\$1,319.75
Blower Wand Attachment (Gas/LP Machines Only)	326118	\$1,793.69	\$1,773.31	\$1,732.54
HEPA Filter System (Note 7)	9017879	\$4,686.83	\$4,633.57	\$4,527.05

Machine Protection & Safety

	Reference Number	1 unit	2-5 units	6-8 units
Heavy Duty Front Bumper	Custom Solution	325501	\$557.70	\$551.37
Heavy Duty Rear Bumpers	9004106	\$535.54	\$529.45	\$517.28
Overhead Guard (incl rear view mirror)	9003634	\$924.78	\$914.27	\$893.25
Cab Assy/w Climate Control, AC/Heater/Pressurizer (Gas)	9003860	\$9,383.42	\$9,276.79	\$9,063.53
Cab Assy/w Climate Control, AC/Heater/Pressurizer (LP)	9003861	\$9,383.42	\$9,276.79	\$9,063.53
Cab Assy/w Climate Control, AC/Heater/Pressurizer (Diesel)	9003862	\$9,383.42	\$9,276.79	\$9,063.53
Cab Assy/w Climate Control, Heater/Pressurizer (Gas)	9003857	\$5,873.17	\$5,806.43	\$5,672.95
Cab Assy/w Climate Control, Heater/Pressurizer (LP)	9003858	\$5,873.17	\$5,806.43	\$5,672.95
Cab Assy/w Climate Control, Heater/Pressurizer (Diesel)	9003859	\$5,873.17	\$5,806.43	\$5,672.95
Steel Hopper (3 wheel only)	9003628	\$4,108.74	\$4,062.05	\$3,968.66
Deluxe Seat (Upgrade for S30 Base Model)	9003633	\$491.20	\$485.62	\$474.46
Seat Belt (S30 base version only, standard on XP and X4)	325542	\$443.32	\$438.29	\$428.21
Tires, 3 Wheel Versions: S30 & S30XP				
Front Tires, Pneumatic Bias (in lieu of standard) (not w/Steel Hopper)	9011676	\$362.64	\$358.52	\$350.28
Rear Tire, Solid Rubber (in lieu of standard)	9011679	N/C	N/C	N/C
Rear Tire, Solid Non Marking (in lieu of standard) (Note 9)	325453	\$253.58	\$250.70	\$244.94
Rear Tire, Foam Filled (in lieu of standard)	9011680	\$133.88	\$132.36	\$129.32
Tires, 4 Wheel Version: S30X4				
Side Brush Spotlight	325663	\$336.93	\$333.10	\$325.44
Fire Extinguisher	9003932	\$100.19	\$99.05	\$96.78
High Coolant Temperature Shutdown (DIESEL ONLY)	Custom Solution	325511	\$1,432.83	\$1,416.54

Brushes	Reference Number	1 unit	2-5 units	6-8 units
Main Brush				
Polypropylene Brush (main brush)	66019	N/C	N/C	N/C
Polypropylene & Wire Brush (main brush)	54925	N/C	N/C	N/C
Polypropylene, Window Brush (main brush)	370009	\$199.50	\$197.23	\$192.70
Nylon Brush (main brush)	54923	N/C	N/C	N/C
Nylon Patrol Brush (main brush)	66018	N/C	N/C	N/C
Nylon Full Fill Brush (main brush)	54922	\$199.50	\$197.23	\$192.70
Crinkle Wire Brush (main brush)	59440	\$199.50	\$197.23	\$192.70
Sand Wedge Brush (main brush)	370008	\$199.50	\$197.23	\$192.70
Fiber & Wire Full Fill Brush (main brush)	54927	\$199.50	\$197.23	\$192.70
Side Sweep Brushes (Standard with Side Brush Assembly - Pick One)				
Polypropylene (side brush, std w/side brush assy.)	1027380	N/C	N/C	N/C
Nylon (side brush, std w/side brush assy.)	1041102	N/C	N/C	N/C
Flat-Wire (For Curb Cleaning) (side brush, std w/side brush assy.)	1042097	N/C	N/C	N/C
Support (note 10)				
Reference Number				
Gold Performance Package (S30)	GPP006	\$5,664.58	\$5,664.58	\$5,664.58
Extended Warranty (note 11)	48851	\$1,432.83	\$1,416.54	\$1,383.98
Ultimate Performance Guarantee	50619	N/C	N/C	N/C
Additional Operator Manual G/LP (English)	9004080	\$39.01	\$38.57	\$37.68
Additional Operator Manual Diesel (English)	9004087	\$39.01	\$38.57	\$37.68
Additional Operator Manual G/LP (Spanish)	9004081	\$39.01	\$38.57	\$37.68
Additional Operator Manual Diesel (Spanish)	9004088	\$39.01	\$38.57	\$37.68
Additional Operator Manual G/LP (French)	9004082	\$39.01	\$38.57	\$37.68
Additional Operator Manual Diesel (French)	9004089	\$39.01	\$38.57	\$37.68
Service Manual	9004086	\$132.11	\$130.61	\$127.61
Machine Communication (Note Iris)				
IRIS Telemetry Module	9009673	\$922.12	\$911.64	\$890.68
Packaging (Note 12)				
Skid (in lieu of standard)	9004094	\$600.26	\$593.44	\$579.80
Custom Solutions				
Weatherproof Manual Pouch	325423	\$94.87	\$93.79	\$91.64
Lifting Lugs and Rear Tow Ring	325945	\$1,023.19	\$1,011.57	\$988.31
Rear Tow Ring	325425	\$412.29	\$407.61	\$398.24
Reduced Height Cab (Must order standard cab option)	325457	\$1,503.76	\$1,486.67	\$1,452.49
Notes				
2 LP models come equipped with one 33-lb (15 kg) horizontal, liquid-withdrawal tank. A Full LP Tank cannot be shipped to Alaska or Hawaii. Orders shipping to these states will receive an Empty LP Tank.				
3 X4 Trim Level is only available with Diesel Engines. (Verify ramp incline, gradeability requirements - review X4 specs.) S30 X4 4-Wheel Diesel - Gradeability Specifications Gradeability - full hopper 6° / 10.5% Gradeability - empty hopper 9° / 16%				
4 Heavy Duty Protection Package - only available with 3 wheel machines. NOT with Left Hand Side Brush. NOT with Productivity Package.				
5 HEPA Dust Filter Package cannot be ordered with the Productivity Package and is not compatible with Water Shield Wet Dust Control. If both the Productivity Package and HEPA Dust Filter Package are required, you must order the HEPA Filter System and Dry Dust Control separately. HEPA Dust Filter Package cannot be ordered with the Heavy Duty Protection Package or the Heavy Duty Front Bumper. When ordering the HEPA Dust Filter Package, the High Rise Air Intake (325686) is recommended. The HEPA Dust Filter Package will ship with 2 extra HEPA filters for a total of 3 filters at the time of delivery. HEPA Dust Filter Package for Dual Side Brush does not include the Dual Side Brush option.				
6 Only available with XP and X4 versions. Not compatible with the Steel Hopper.				
7 HEPA Filter System requires Side Brush Dust Control - Dry HEPA Filter System is not available with Water Shield Wet Dust Control.				
8 Cab HEPA Filter requires the standard Cab be ordered.				
9 ONLY available on three wheel versions (Base and XP) NOT AVAILABLE on the X4 four wheel version.				
10 Additional hard copy Operator and Parts Manuals can be ordered or digital copies can be downloaded from www.Tennantco.com.				
11 Warranty Plus Extended Warranty includes an additional 18 months trip and labor coverage.				
IRIS Pre-Paid and Monthly Packages are available for the IRIS Information Service. IRIS Module is required and NOT included in the price of the IRIS Information Service: 3 Year Pre-Paid IRIS Information Service \$250.00 5 Year Pre-Paid IRIS Information Service \$400.00 A monthly contract can be set up at \$10 per month w/ 12 month minimum commitment. IRIS Telemetry Module only covers the price of the hardware. IRIS Telemetry requires an IRIS Telemetry Module and an IRIS Information Service Package.				
12 Pad wrap available only in the Continental US and is the default packaging method. Skid is mandatory when shipping to AK and HI. Packaging is added at No Charge when shipping to these locations.				
13 Shipping Weights and Dimensions				
	Pad Wrap	Skid		
Weight	3520 lbs / 1595 Kg	3875 lbs / 1758 Kg		
Length	93" / 2360 mm	116" / 2946 mm		
Width	62.5" / 1590 mm	68" / 1727 mm		
Height	58" / 1475 mm	68" / 1727 mm		

CMAS SIN 271-104 SWEEPERS, RIDER

Model 800

BUILT-IN "TENANT VALUE" INCLUDES:

EPA Certified Engine: 57.2 hp (42.7 kw) Mitsubishi Gas/LP, EPA Tier 4 65 hp (48.5 kw) Kubota 2.4L Diesel, EPA Tier 4F Kubota engine requires using only ultra-low sulfur diesel (ULSD) fuel.	UL-Certification (Type G, LP, or D) Triple, Heavy-Duty Accessory Pumps Hydraulic By-Pass Tow Valve Tilt-Out Hydraulic Oil Cooler
Dual Element SE Type Air Cleaner Catalytic muffler (G/LPG only) Check Engine Light (G/LPG only) Industrial Radiator/Debris Screen Low-Oil/High Water Temperature Shut-down (G/LP Only) II-Speed Cleaning System No-Tool Brush Change Retractable Sidebrush Assembly Standard 26" (660 mm) Side Brush (Select One) Standard Main Sweeping Brush (Select One) Damage Resistant Recirculation Flap 30 ft ³ (850 L) Hopper 72" (1830 mm) Multi-Level Dump Vacuum Shut-off Thermo-Sentry™ Hydraulic Main and Side Brush Lift 190 ft ² (17.7 m ²) Quad Filter System: Stage 1-Debris Deflector Stage 2- Perma-Filter Stage 3- Wrap-Around Pre-Screen Stage 4- Dual Canister Filters Timed Filter Shaker	Electronic Instrument Panel: Brush Down-Pressure Indicator Clogged Filter Indicator Fuel Level Indicator Oil Pressure Indicator Engine Water Temp. Indicator Hour Meter Amp Gauge Heavy Duty Alternator (D) Headlights and Taillights Circuit Breakers Power Steering Tilt Steering Wheel Servo-Assist Adjustable Foot Pedal Luxury, Energy-Absorbing Seat T-Beam Frame Super-Structure Steel-Channel Wraparound Bumper 23" (585 mm) O. D. Pneumatic Tires

Base Configuration

	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type				
800 Gasoline (Petrol) Sweeper	800-G	\$63,418.36	\$62,039.70	\$60,661.04
800 LPG Sweeper (includes LP Tank - Note 1)	800-LP	\$65,313.05	\$63,893.20	\$62,473.35
800 Diesel Sweeper (Kubota 2.4, Tier 4F - Note 2)	800-DSL	\$73,971.71	\$72,363.63	\$70,755.55
LP Tank				
LP tank, 33 lb (15 kg) w/ Outage & Filler valve, Empty Tank (in lieu of standard)	24928-1	N/C	N/C	N/C
Neutral Start	70697	\$169.63	\$165.94	\$162.26

Packages (note 4)

Roadway Package Includes: RH Side Brush Spotlight, Brake Lights, Turn Signals, 4-Way Flashers (note 4)	70694	\$565.44	\$553.15	\$540.86
Roadway Package w/Dual Spot Light (requires Dual Side Brush) Includes: Dual Side Brush Spot Light, Brake Lights, Turn Signals, 4-Way Flashers (Note 4)	70694-CP810081	\$1,141.08	\$1,116.27	\$1,091.47
HEPA Dust Filter Package - Right Hand Side Brush (Note 5) <i>Dry Dust Control (RH), HEPA Filter System</i>	HDR-800	\$7,300.68	\$7,141.96	\$6,983.25
HEPA Dust Filter Package - Dual Side Brush (Note 5) <i>Dry Dust Control (Dual), HEPA Filter System</i>	HDD-800	\$8,847.76	\$8,655.42	\$8,463.07
HEPA Filtered Cab Package <i>Cab, AC/Heater/Pressurizer, HEPA Cab Filter, Solid Cab Windows, Sealed Op Station</i>	HFC-800	\$22,763.16	\$22,268.31	\$21,773.46

Cleaning Performance

	Reference Number			
Side Brush, Dual	77753	\$3,680.00	\$3,600.00	\$3,520.00
Side Brush Dust Control, Dry, Right Hand (Note 6)	70671	\$1,904.89	\$1,863.48	\$1,822.07
Side Brush Dust Control, Dry, Dual (Must order Dual Side Brush)	CP810029 & 70671	\$3,462.17	\$3,386.90	\$3,311.64
Vacuum Wand	70667	\$1,111.42	\$1,087.25	\$1,063.09
Blower Wand - Not available with Cab (Note 8)	324040	\$2,043.93	\$1,999.50	\$1,955.06
HEPA Filter System (with 2 Extra Filters)	CP810016	\$5,465.31	\$5,346.50	\$5,227.69
RFS-Regenerative Filter System (Not w/CP810016)	79175	\$1,725.98	\$1,688.46	\$1,650.94
Dust Control Filter, Extra Fine Media Cannister	375530	\$515.39	\$504.18	\$492.98

Machine Protection & Safety	Reference Number	1 unit	2-5 units	6-8 units
Heavy Duty Front Bumper without Cab	77546	\$2,093.06	\$2,047.56	\$2,002.06
Heavy Duty Front Bumper with Cab	77547	\$2,093.06	\$2,047.56	\$2,002.06
Overhead Guard	70455	\$1,736.18	\$1,698.44	\$1,660.70
Cab (Assembly Only, Includes Side Brush Mirror)	380713	\$7,677.02	\$7,510.13	\$7,343.23
Reduced Height Cab - 80in / 204 cm (Note 9)	CP810047	\$10,226.14	\$10,003.83	\$9,781.52
Climate Control, AC/Heater/Pressurizer Gas/LP (Note 9)	9002996	\$3,808.85	\$3,726.05	\$3,643.24
Climate Control, AC/Heater/Pressurizer for Diesel (Note 9)	380707	\$3,808.85	\$3,726.05	\$3,643.24
Climate Control, Heater/Pressurizer Gas /LP (Note 9)	374284	\$1,637.00	\$1,601.41	\$1,565.82
Climate Control, Heater/Pressurizer for Diesel (Note 9)	380705	\$1,637.00	\$1,601.41	\$1,565.82
Solid Cab Windows (Note 10)	324380	\$799.96	\$782.57	\$765.18
Sealed Operator Station (Note 10)	324706	\$1,329.25	\$1,300.35	\$1,271.46
Cab Filter - HEPA (Note 10)	326383	\$9,373.34	\$9,169.57	\$8,965.80
Stainless Steel Hopper Floor	70685	\$838.89	\$820.65	\$802.42
Seat Belt	70689	\$101.96	\$99.75	\$97.53
West Coast Mirror on Cab (Note 11)	CP810013	\$933.44	\$913.15	\$892.86
West Coast Mirror in OHG (Note 11)	324164	\$933.44	\$913.15	\$892.86
Rearview Mirror in Cab	CP810028	\$285.50	\$279.29	\$273.09
Rearview Mirror in OHG	CP810037	\$285.50	\$279.29	\$273.09
Side Brush Mirror - RH (included in cab assembly)	380711	\$221.54	\$216.73	\$211.91
Side Brush Mirror - Dual	380711 & 324087	\$683.16	\$668.31	\$653.46
Front Tires, Solid Rubber(in lieu of standard pneumatic) (Note 12)	9011664	\$701.70	\$686.45	\$671.19
Rear Tire, Solid Rubber (in lieu of standard pneumatic) (Note 12)	9011392	\$351.31	\$343.68	\$336.04
Hopper Door Open Light	79182	\$140.90	\$137.83	\$134.77
AV BU Alarm - Engine Cover	380605	\$804.59	\$787.10	\$769.61
AV BU Alarm - Flashing Light on Engine Cover	380605 & 380700	\$1,220.80	\$1,194.26	\$1,167.72
AV BU Alarm - Flashing Light on Cab	380605 & 73750	\$1,220.80	\$1,194.26	\$1,167.72
AV BU Alarm - Flashing Light on OHG	380605 & 73754	\$1,220.80	\$1,194.26	\$1,167.72
Flashing Light on Engine Cover (Note 13)	380700	\$418.98	\$409.87	\$400.77
Flashing Light on Cab	73750	\$418.98	\$409.87	\$400.77
Flashing Light on OHG	73754	\$418.98	\$409.87	\$400.77
AV BU Alarm - Strobe Light on Engine Cover	380605 & 380701	\$1,468.29	\$1,436.37	\$1,404.45
AV BU Alarm - Strobe Light on Cab	380605 & 73752	\$1,468.29	\$1,436.37	\$1,404.45
AV BU Alarm - Strobe Light on OHG	380605 & 73756	\$1,468.29	\$1,436.37	\$1,404.45
Strobe Light on Engine Cover (Note 13)	380701	\$668.33	\$653.80	\$639.27
Strobe Light on Cab	73752	\$668.33	\$653.80	\$639.27
Strobe Light on OHG	73756	\$668.33	\$653.80	\$639.27
Strobe Lens - Red	1027798	N/C	N/C	N/C
Strobe Lens - Blue	1027800	N/C	N/C	N/C
Side Brush Spotlight, Right Hand	70698	\$136.26	\$133.30	\$130.34
Side Brush Spotlight, Dual	70698-CP810081	\$734.15	\$718.19	\$702.23
Protecto-Seal Fuel Cap	325304	\$349.46	\$341.86	\$334.27
Forward Speed Control (5 MPH)	CP810002	\$62.11	\$60.76	\$59.41
Fire Extinguisher	70691	\$109.38	\$107.00	\$104.62

Brushes	Reference Number			
Main Brush				
Polypropylene Brush - Main Brush	35326	N/C	N/C	N/C
Outdoor Polypropylene Brush - Main Brush	35325	N/C	N/C	N/C
Polypropylene & Wire, 8 DR Brush - Main Brush	35324	N/C	N/C	N/C
Nylon, 8 DR Brush - Main Brush	66020	N/C	N/C	N/C
Nylon, Patrol Brush - Main Brush	35336	N/C	N/C	N/C
Nylon, Full Fill - Main Brush	35323	\$297.55	\$291.08	\$284.61
Crinkle Wire, 8 DR - Main Brush	35327	\$297.55	\$291.08	\$284.61
Polypropylene, Sand Wedge Brush - Main Brush	370011	\$297.55	\$291.08	\$284.61
Side Sweep Brushes (Standard with Side Brush Assembly - Pick One)				
Polypropylene - Side Brush	70649	N/C	N/C	N/C
Nylon - Side Brush	75011	N/C	N/C	N/C

Support (Note 14)	Reference Number			
Gold Performance Package (800)	GPP001	\$8,283.43	\$8,283.43	\$8,283.43
Extended Warranty (note 15)	09173	\$1,518.35	\$1,485.34	\$1,452.33
Ultimate Performance Guarantee	50619	N/C	N/C	N/C
Additional Operator Manual G/LP	330120	\$104.75	\$102.47	\$100.19
Additional Operator Manual Diesel	330140	\$104.75	\$102.47	\$100.19
Additional Operator Manual G/LP (Spanish)	330122	\$104.75	\$102.47	\$100.19
Additional Operator Manual Diesel (Spanish)	330142	\$104.75	\$102.47	\$100.19
Additional Operator Manual G/LP (French)	330123	\$104.75	\$102.47	\$100.19
Additional Operator Manual Diesel (French)	330143	\$104.75	\$102.47	\$100.19
Service Manual	MM337	\$139.04	\$136.02	\$133.00
Engine Manual	9012443	\$58.40	\$57.13	\$55.86
Packaging (Note 16)				
Skid (In lieu of standard)	74054	\$633.11	\$619.35	\$605.58

Notes

- 1 LP models come equipped with one 33-lb (15 kg) horizontal, liquid-withdrawal tank, Impco carburetor, Impco vaporizer/regulator, and Sherwood Selpac fittings. Any deviation may void engine warranty.
An EMPTY LP tank is also available please order PN 24928-1
A Full LP Tank cannot be shipped to Alaska or Hawaii. Orders shipping to these states will receive an Empty LP Tank.
- 2 The tier 4F diesel engine requires the use of ultra-low sulfur diesel (ULSD) fuel only.
Only ultra-low sulfur diesel (ULSD) fuel with <15 ppm should be used (on-highway grade). If any other type of fuel or additive is used, severe damage may occur to the diesel particulate filter (DPF).
Please reference the operator's manual for more information on owning the 800 diesel.
Neutral Start option is standard with the diesel engine.
- 3 A Full LP Tank cannot be shipped to Alaska or Hawaii. Orders shipping to these states will receive an Empty LP Tank.
- 4 P/N 70694 Roadway Lighting Package consists of:
Right Hand Side Brush Spotlight, Brake Lights, Turn Signals, and 4-Way Flashers.
Addition of the Dual Side Brush Spot Light requires the Dual Side Brush.
This will add part # CP810081 (LH Spot Light) to the Package.
- 5 The HEPA Dust Filter Package will ship with 2 extra HEPA filters for a total of 3 filters at the time of delivery.
HEPA Dust Filter Package for Dual Side Brush does not include the Dual Side Brush option.
- 6 P/N 70671 Side Brush Dust Control includes custom, non-vacuumized skirting mounted to the side brush and hopper assemblies.
- 7 WaterShield Wet Dust Control is not available with the HEPA Filter System or HEPA Dust Filter Package
Cannot be combined with the Dry Dust Control System.
Not compatible with the Heavy Duty Bumpers (Front & Rear).
WaterShield Wet Dust Control is a Custom Solution option and may increase lead time.
- 8 Operator must get off machine to engage blower. Not compatible with the Cab option.
- 9 Please contact CUSTOM SPECIALS Department for customers requiring a cab height less than 89" with pressurizer/heater and or air conditioner option.
- 10 Requires the standard Cab be ordered.
- 11 When ordering both the West Coast Mirror and Rear View Mirror on the same machine, the West Coast Mirror must be added as a Custom Solution option.
- 12 Foam-filled tires are available as a Custom Option.
- 13 P/N 380700 & 380701 make the flashing or strobe light on the overhead guard or cab level with the top of the overhead guard or cab, for applications with limited clearance height. Height to top of light 82". Please note this option is not available with air conditioned or heated cabs.
Strobe light or flashing light when ordered with air conditioning and/or heated cab will be mounted on pedestal next to cab.
- 14 Additional hard copy Operator and Parts Manuals can be ordered or digital copies can be downloaded from www.Tennantco.com.
- 15 Warranty Plus Extended Warranty includes an additional 18 months trip and labor coverage.
- 16 Pad wrap available only in the Continental US and is the default packaging method.
Skid is mandatory when shipping to AK and HI. Packaging is added at No Charge when shipping to these locations.
- 17 Part numbers beginning with "CP" followed by a 6-digit number, or a 6-digit number with the first three digits "324 & 325" indicate a CUSTOM option or accessory. Please keep in mind that these items may require a longer delivery time.

18 Shipping Weights and Dimensions	<u>Pad Wrap</u>	<u>Skid</u>
Weight	6180 lbs / 2803 Kg	6250 lbs / 2835 Kg
Length	114" / 2,896mm	130" / 3,302mm
Width	79" / 2,007mm	80" / 2,032mm
Height	68" / 1,727mm	68" / 1,727mm

CMAS SIN 271-104 Scrubbers-Sweepers

M20

BUILT-IN "TENANT VALUE" INCLUDES:

50 hp (37.2kW) 2.0L Gas/LP Engine EPA Tier 3
 24.8 hp (19 kW) 1.5 L Kubota Diesel EPA Tier 4i Engine
 FloorSmart™ Cleaning Technology - 40" (1020 mm) Path
 MaxPro2™ Hydraulic Technology
 1-Step™ One Button Operation
 Touch-N-Go™ Wheel Mounted Module
 Steering Wheel Mounted Horn
 Steering Wheel Mounted Water Shut Off
 Recovery Tank Full/Solution Tank Empty Indicator
 Yellow Maintenance Touch Points
 Low Oil Pressure/High Coolant Temp Shutdown (G/LPG only)
 Built-In Maintenance Diagnostics w/ Service Reminder
 ErgoSpace™ Operator Compartment
 Tilt Steering Wheel w/ Horn
 Deluxe Suspension Seat
 Retractable Seat Belt
 Ergonomic Propel Pedal
 Cup Holder
 Operator Video and Interactive DVD
 Operator Manual and Parts Manual
 Operator Checklist and Wall Chart
 Underwriters Laboratory (UL®) Certification

Standard Hybrid Scrub/Sweep Brushes (Select type)
 Hygienic® Solution and Recovery Tanks
 56 gal (212 L) Solution Tank
 72 gal (272 L) Recovery Tank
 16 gal (60 L) Demisting Chamber
 Dura-Track™ Parabolic Rear Squeegee
 SmartRelease™ Breakaway System
 Linatex Squeegees
 Reverse and Double Scrubbing Capable
 Variable Drain Valves™
 No Tool Squeegee & Brush Change
 High-Capacity, Duramer™ Multi-Level Dump Hopper
 3.9 ft³ (110 L) or 390 lbs (177 kg) Usable Capacity
 60-inch (152 cm) Variable Dump Height
 Thermo-Sentry™ Hopper Fire Sensor
 Multi-Level Locking Hopper Safety Arm
 InstantAccess™ No Tool Panel Filter Change
 Dual-seal, Self-locating Synthetic Panel Filter
 78 ft² (7.3 m2) Pleated Media with 99 % Efficiency
 Grip-N-Go™ Corner Rollers
 Head, Tail and Back-up Lights

Wet Only Trim Level

* Dry Dust Control System Removed
 * Pro-Panel Controls Standard with this Trim Llevel

ec-H2O™ Cleaning Solution Includes:
Electrically Converted Water Technology System
Two Scrubbing Modes: ec-H2O™ & Conventional Scrubbing

CUSTOM options may add 1 week or more to standard lead times.

Base Configuration

	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type				
M20 Gasoline (Petrol) Cylindrical Scrubber-Sweeper Scrubbing	M20-G	\$51,799.86	\$50,622.59	\$49,445.32
M20 LPG Cylindrical (Includes LP Tank) Scrubber-Sweeper Scrubbing	M20-LP	\$51,799.86	\$50,622.59	\$49,445.32
M20 Diesel Cylindrical Scrubber-Sweeper Scrubbing	M20-D	\$55,158.49	\$53,904.89	\$52,651.28
Trim Level				
ProPanel w/ WOC (Note 1)	WOC-M20	\$948.72	\$927.15	\$905.59
Pro Panel	P-M20	\$1,963.93	\$1,919.29	\$1,874.66
Cleaning Technology: (conventional is standard, ec-H2O can also operate in conventional mode) (note 2)				
ec-H2O™	ec-H2O-M20	\$3,473.01	\$3,394.08	\$3,315.14
ES® Extended Scrub	ES-M20	\$3,330.26	\$3,254.57	\$3,178.88
Squeegee Material				
Urethane (in Lieu of standard Linatex) (Note 3)	9001854	\$557.70	\$545.03	\$532.35
LP Tank (Note 4)				
Empty LP tank, 33 lb (15 kg) w/ Outage & Filler valve (in lieu of standard)	24928-1	N/C	N/C	N/C
UL Rating				
UL® Label - Type LPS (in Lieu of Standard)	325933	\$3,434.88	\$3,356.82	\$3,278.75

Packages

	Reference Number			
Productivity Package - Includes: Side Brush (Select Sweeping or Scrubbing), Vacuum Wand, and Spray Nozzle w/ Hose	PRD-M20	\$4,117.60	\$4,024.02	\$3,930.44
Heavy Duty Protection Package - Includes: Heavy Duty Squeegee Protection and Overhead Guard	HDP-M20	\$1,452.33	\$1,419.32	\$1,386.32

Cleaning Performance

	Reference Number			
Side Brush: RH Sweeping OR Scrubbing (Note 5)	9001959	\$3,548.37	\$3,467.73	\$3,387.08
Vacuum Wand	9001333	\$653.46	\$638.61	\$623.76
Spray Nozzle with Hose	9001309	\$834.34	\$815.38	\$796.41
High Pressure Spray (Note 6)	9016310	\$3,216.77	\$3,143.66	\$3,070.55
Solvent Based Degreaser, 5 Gal (non-FaST Units)	9006770	N/C	N/C	N/C

Machine Protection & Safety

	Reference Number			
Heavy Duty Squeegee Protection	9001337	\$612.68	\$598.75	\$584.83
Overhead Guard	9001313	\$1,167.72	\$1,141.18	\$1,114.64
Rear Tires, High Traction (in lieu of standard)	9011029	\$578.10	\$564.96	\$551.82
Audio Back-up Alarm	9001320	\$222.55	\$217.49	\$212.43
AV BU Alarm - Flash on Tank	9003492	\$478.79	\$467.91	\$457.03
AV BU Alarm - Flash on OHG	9003486	\$478.79	\$467.91	\$457.03
AV BU Alarm - Strobe on Tank	9003493	\$478.79	\$467.91	\$457.03
AV BU Alarm - Strobe on OHG	9003488	\$478.79	\$467.91	\$457.03
Flashing Light (only) on Tank	9001326	\$326.29	\$318.87	\$311.46
Flashing Light (only) on OHG	9001716	\$326.29	\$318.87	\$311.46
Strobe Light (only) on Tank	9001330	\$326.29	\$318.87	\$311.46
Strobe Light (only) on OHG	9001715	\$326.29	\$318.87	\$311.46
Alternate Strobe Lens				
Strobe Light - Red	1027798	\$19.51	\$19.06	\$18.62
Strobe Light - Blue	1027800	\$19.51	\$19.06	\$18.62
High Coolant Temperature Shutdown (DIESEL ONLY)	325433	\$996.59	\$973.94	\$951.29
Fire Extinguisher	9001315	\$100.19	\$97.91	\$95.64
Trailer Transport Kit	9001324	\$126.79	\$123.91	\$121.03

Brushes and Pads	Reference Number	1 unit	2-5 units	6-8 units
Cylindrical Scrubbing Brushes (2 Required)				
Polypropylene Brush (Cylindrical Scrub Brush, 2 required)	1026223	N/C	N/C	N/C
Heavy Duty Polypropylene Brush (Cylindrical Scrub Brush, 2 required)	1030969	N/C	N/C	N/C
Polypropylene, Window Brush (Cylindrical Scrub Brush, 2 required)	1040524	N/C	N/C	N/C
Polyester Brush (Cylindrical Scrub Brush, 2 required)	1027697	N/C	N/C	N/C
Super Abrasive Brush (Cylindrical Scrub Brush, 2 required)	1026222	\$170.24	\$166.37	\$162.50
Super Abrasive, Window Brush (Cylindrical Scrub Brush, 2 required)	1059640	\$170.24	\$166.37	\$162.50

Side Scrub/Sweep Brushes (Standard with Side Brush Assembly - Pick One)

Polypropylene Brush (Side Brush, Standard w/Side Brush Assy.)	1220236	N/C	N/C	N/C
Nylon Brush (Side Brush, Standard w/Side Brush Assy)	1220235	N/C	N/C	N/C
Super Abrasive Brush (Side Brush, Standard w/Side Brush Assy)	1221543	\$238.51	\$233.09	\$227.67
Polypropylene, Sweeping Brush (Cyl Only) (Side Brush, Standard w/Side brush Assy.)	1220185	N/C	N/C	N/C

Support (Note 7)

	Reference Number			
Gold Performance Package (M20)	GPP011	\$7,504.28	\$7,504.28	\$7,504.28
Ultimate Performance Guarantee	50619	N/C	N/C	N/C
Additional Operator Manual G/LP (English)	9016000	\$39.01	\$38.13	\$37.24
Additional Operator Manual Diesel (English)	9016050	\$39.01	\$38.13	\$37.24
Additional Operator Manual G/LP (Spanish)	9016002	\$39.01	\$38.13	\$37.24
Additional Operator Manual Diesel (Spanish)	9016052	\$39.01	\$38.13	\$37.24
Additional Operator Manual G/LP (French)	9016003	\$39.01	\$38.13	\$37.24
Additional Operator Manual Diesel (French)	9016053	\$39.01	\$38.13	\$37.24
Service Manual	9016006	\$132.11	\$129.11	\$126.11

Machine Communication (Note IRIS)

IRIS Telemetry Module	9009396	\$922.12	\$901.16	\$880.20
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Packaging (Note 8)

Crate (in lieu of standard)	9001840	\$1,043.59	\$1,019.87	\$996.15
Skid (in lieu of standard)	9001841	\$553.27	\$540.70	\$528.12

M20 Notes

- Wet Only w/ Pro Panel includes the Pro Panel w/ Economy mode (low flow, low pressure, low vac fan)
This option remove the dry dust control system to convert the machine to wet only sweeping.
Sweeping side brush is not available with this option.
- Cleaning Solutions are available factory installed only; Select only one, none are available combined with another:

ES Extended Scrubbing system	9001318
ec-H2O™ option with sidebrush	9007127
ec-H2O™ option without sidebrush	9007128

 ES on M20 includes autofill feature and detergent metering.

 ES Extended Scrubbing System is available factory installed only. This option includes autofill feature and detergent metering.
- Dura-Track™ Squeegee Kit contains: one rear and one front blade for the rear squeegee and two blades for the scrub head side squeegee. Side Brush Squeegee Kit contains: one side brush squeegee blade and side brush squeegee hardware.
- A Full LP Tank cannot be shipped to Alaska or Hawaii. Orders shipping to these states will receive an Empty LP Tank.
- The Side Brush Assembly is an option for extending the sweeping path from 40" to 56". When choosing this option you **must** also select a Side Scrub/Sweep Brush, from the Brush section above.
- Spay Nozzle w/Hose and High Pressure Spray cannot be ordered together.
High Pressure Spray is not available with the Productivity Package.
- Additional hard copy Operator and Parts Manuals can be ordered or digital copies can be downloaded from www.Tennantco.com.

IRIS Pre-Paid and Monthly Packages are available for the IRIS Information Service.
 IRIS Module is required and NOT included in the price of the IRIS Information Service:
 3 Year Pre-Paid IRIS Information Service \$250.00
 5 Year Pre-Paid IRIS Information Service \$400.00
 A monthly contract can be set up at \$10 per month w/ 12 month minimum commitment.
 IRIS Telemetry Module only covers the price of the hardware.
 IRIS Telemetry requires an IRIS Telemetry Module and an IRIS Information Service Package.

- Pad wrap available only in the Continental US and is the default packaging method.
Skid is mandatory when shipping to AK and HI. Packaging is added at No Charge when shipping to these locations.

9 Shipping Weight and Dimensions

	Pad Wrap	Crate
Weight	3300 lbs / 1497 Kg	3625 lbs / 1644 Kg
Length	95" / 2410 mm	116" / 2946 mm
Width	58" / 1470 mm	68" / 1727 mm
Height	58" / 1470 mm	68" / 1727 mm

M17

BUILT-IN "TENANT VALUE" INCLUDES:

1-Step™ One Button Operation	3.0 ft3 / 85 L Hopper Volume Capacity
Touch-N-Go™ Wheel Mounted Module	60" / 1525 mm Hopper Dump Height
Recover Tank Full & Solution Tank Empty Indicator	Onboard Diagnostics
Non Marking Drive Wheel	Steering Wheel Mounted Horn
Yellow Maintenance Touch Points	Steering Wheel Mounted Water Shut-Off
Recovery Tank Debris Tray	Maintenance Free Scrub Brush, Propel, & Dust Control Vac Fan Motors
In-Line Vacuum Fan Filter	Duramer™ Tanks & Shrouds
Tracking Rear Parabolic Squeegee	Variable Flow Tank Drains
SmartRelease™ Breakaway Rear Squeegee	No-Tool Squeegee Change
Underwriters Laboratory (UL®) E Certified	No-Tool Brush Change
Dual Side Sweeping Brushes	Full Wrap Steel Bumper with Front Cushioned Corner Rollers
Membrane Panel	Linatex Squeegee
Linatex Squeegee	Operator Manual - English
Membrane Panel	Operator Video

Base Configuration

	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type				
M17 Disk Conventional Scrubber / Sweeper	M17-D	\$42,834.94	\$41,861.42	\$40,887.90
M17 Cylindrical Conventional Scrubber / Sweeper (Note 1)	M17-C	\$43,347.43	\$42,362.26	\$41,377.09
Trim Level				
Pro-Panel (Note 2) (in lieu of Standard)	P - M17	\$1,963.93	\$1,919.29	\$1,874.66
Cleaning Technology: (conventional is standard, ec-H2O: can also operate in conventional mode)				
ES (Note 3)	ES-M17	\$2,770.78	\$2,707.81	\$2,644.84
ec-H2O w/ S.E. Switch	ecH2O-M17	\$2,970.28	\$2,902.77	\$2,835.26
Battery (Note 5-8)				
Wet 510AH C/6	9020112	\$3,681.37	\$3,597.70	\$3,514.04
Wet 750AH C/6	9020113	\$4,430.59	\$4,329.89	\$4,229.20
Wet Tubular 930AH C/6	9020114	\$6,717.26	\$6,564.59	\$6,411.93
Wet Tubular 930AH C/6 (Single Point Watering and Wi-IQ Monitor)				
*Opportunity charger required	9017261	\$7,362.74	\$7,195.41	\$7,028.07
Battery Watering System (Note 10)	WTR-M17	\$491.20	\$480.04	\$468.88
Battery Exchange System (Note 11-12)				
Battery Slide Out	9020125	\$774.93	\$757.32	\$739.71
Additional Battery				
Wet 510AH C/6 (Additional battery)	1207937	\$4,706.34	\$4,599.38	\$4,492.41
Wet 750AH C/6 (Additional battery)	1207938	\$5,692.29	\$5,562.92	\$5,433.55
Wet Tubular 930AH C/6 (Additional battery)	1210313	\$8,279.54	\$8,091.37	\$7,903.19
Wet 510AH C/6 with Watering Kit (Additional battery)	1210314	\$4,898.74	\$4,787.41	\$4,676.07
Wet 750AH C/6 with Watering Kit (Additional battery)	1210315	\$6,076.21	\$5,938.12	\$5,800.02
Wet Tubular 930AH C/6 with Watering Kit (Additional battery)	1210316	\$8,486.22	\$8,293.35	\$8,100.47
Charger (Note 13-16)				
80A 200-240VAC 50/60Hz 1Ph - For 510AH Battery	Reference Number			
	1207933	\$2,116.43	\$2,068.33	\$2,020.23
80A 200-240VAC 50/60Hz 3Ph - For 510AH Battery	1207934	\$2,628.03	\$2,568.30	\$2,508.57
100A 200-240V AC 50/60Hz 3Ph - For 750AH and 930AH Battery	1212158	\$2,533.16	\$2,475.59	\$2,418.02
120A 480V AC 50/60Hz 3Ph - For 750AH and 930AH Battery	1207936	\$2,837.28	\$2,772.80	\$2,708.31
240A 480V AC 50/60Hz 3Ph - Opportunity Charger for 930AH Battery	1219396	\$3,975.74	\$3,885.38	\$3,795.02
UL Rating				
UL Type ES (in Lieu of Standard)	Reference Number			
	9017316	\$2,599.66	\$2,540.57	\$2,481.49
Packages				
Productivity Package - LED Headlights and AV Back Up Alarm w/Strobe (Note 17)	Reference Number			
	PRD-M17	\$3,434.88	\$3,356.82	\$3,278.75
Safety Light Package - LED Headlights and AV Back Up Alarm w/Strobe	SFY-M17	\$580.76	\$567.56	\$554.36
Cleaning Performance				
Scrubbing Side Brush	Reference Number			
	9017121	\$2,912.64	\$2,846.45	\$2,780.25
Side Brush Dust Control - Sweeping Side Brooms	326461	\$2,524.29	\$2,466.92	\$2,409.55
Vacuum Wand WET	9020079	\$435.35	\$425.45	\$415.56
Spray Nozzle w/Hose	9020075	\$829.02	\$810.18	\$791.34
Auto Fill (Note 21)	9020090	\$388.35	\$379.53	\$370.70
Recovery Tank Drain - Drain Control Valve (Note 22)	9020092	\$523.12	\$511.23	\$499.35
Detergent				
Solvent Based Degreaser, 5 Gal	9006770	N/C	N/C	N/C
Machine Protection & Safety				
Heavy Duty Squeegee Protection	Reference Number			
	9020025	\$491.20	\$480.04	\$468.88
Overhead Guard	9020028	\$1,414.21	\$1,382.07	\$1,349.92
Deluxe Seat (in lieu of standard)	9020102	\$381.26	\$372.59	\$363.93
High Traction, Non-Marking Rear Tires	9020021	\$232.30	\$227.02	\$221.74
Headlights - LED	9017205	\$265.11	\$259.08	\$253.06
AV BU Alarm-Strobe on Tank (Note 24)	9020108	\$444.21	\$434.12	\$424.02
Strobe Light on OHG (Note 24)	9020106	\$311.21	\$304.14	\$297.07
Alternate Strobe/Flashing Lens				
Alternate Strobe/Flashing Lens - Red	1027798	N/C	N/C	N/C
Alternate Strobe/Flashing Lens - Blue	1027800	N/C	N/C	N/C
Clogged Filter Indicator	9017159	\$352.00	\$344.00	\$336.00
Fire Extinguisher	9020138	\$226.98	\$221.82	\$216.66
Trailer Transport Kit	9017164	\$130.34	\$127.38	\$124.41

Brushes and Pads	Reference Number	1 unit	2-5 units	6-8 units
Scrubbing Brushes/Pads (2 Required)				
Polypropylene Brush (Main Brush - 2 Required)	1220192	N/C	N/C	N/C
Nylon Brush (Main Brush - 2 Required)	1220193	N/C	N/C	N/C
Super Abrasive Brush (Main Brush - 2 Required)	1220194	\$281.07	\$274.68	\$268.29
Pad Driver				
Pad - Brown Stripping - 3M	1220201	N/C	N/C	N/C
Pad - Blue Scrubbing - 3M	17263	\$17.25	\$16.86	\$16.46
Pad - Red Cleaning - 3M	17262	\$17.25	\$16.86	\$16.46
Pad - White Polishing - 3M	17261	\$17.25	\$16.86	\$16.46
Pad - Black Stripping-Hi Pro - 3M	17260	\$17.25	\$16.86	\$16.46
	370094	\$19.10	\$18.67	\$18.24
Cylindrical Scrubbing Brushes (2 Required)				
Polypropylene Brush (Main Brush - 2 Required)	386230	N/C	N/C	N/C
Nylon Brush (Main Brush - 2 Required)	386250	N/C	N/C	N/C
Super Abrasive Brush (Main Brush - 2 Required)	386240	\$281.07	\$274.68	\$268.29
Side Scrubbing Brushes/Pads (1 Required)				
Polypropylene Brush (Side Brush - 1 Required)	1220240	N/C	N/C	N/C
Nylon Brush (Side Brush - 1 Required)	1220230	N/C	N/C	N/C
Super Abrasive Brush (Side Brush - 1 Required)	1220232	\$227.87	\$222.69	\$217.51
Side Pad Driver				
Pad - Brown Stripping - 3M	1220243	N/C	N/C	N/C
Pad - Blue Scrubbing - 3M	89046	\$0.00	\$0.00	\$0.00
Pad - Red Cleaning - 3M	89047	\$10.24	\$10.01	\$9.77
Pad - White Polishing - 3M	89048	\$10.24	\$10.01	\$9.77
	89049	\$10.24	\$10.01	\$9.77
Support (note 25)				
Gold Performance Package (M17)				
Ultimate Performance Guarantee	GPP010	\$5,840.71	\$5,840.71	\$5,840.71
Additional M17 Operator Manual - English	50619	N/C	N/C	N/C
Additional M17 Operator Manual - French	9017351	\$100.19	\$97.91	\$95.64
Additional M17 Operator Manual - Spanish	9017352	\$100.19	\$97.91	\$95.64
Service Manual	9017353	\$100.19	\$97.91	\$95.64
	9017358	\$132.11	\$129.11	\$126.11
Machine Communication (Note IRIS)				
IRIS Telemetry Module	9017310	\$922.12	\$901.16	\$880.20
Packaging (Note 26)				
Skid (in Lieu of Standard)	9017320	\$375.05	\$366.53	\$358.01

M17 Notes

- 1 Standard debris tray on cylindrical unit has a hole in the bottom for water drainage.
- 2 Pro-Panel Includes: Pro-ID Operator Login, Pro-Check Pre-Operation Checklists, PerformanceView, Rear View Camera and Clogged Filter Indicator. 28 Languages.
- 3 ES® Extended Scrub system is available factory installed only. This option includes Autofill feature and Detergent Metering system
- 4 Fuel Cell installs a prep kit to accept a fuel cell system by the customer. This option removes the need and ability to add a battery to the machine. Live Vacuum Wand (9018413) and Pressure Washer (9018411) CAN NOT be ordered with machines prepped for fuel cell. There is an interference between the hinges, lift cylinder, and the fuel cell itself that prevent this availability.
- 5 MODEL M17 - USE ONE 36 VOLT BATTERY
Unit has one battery compartment that is available in three sizes: 510AH, 750AH and 930AH and two configurations (Standard and Slide Out). Size below is entire battery compartment.
The battery format is an **Upright Forklift Battery** and the overall compartment dimensions are:

Length:	38.1 inch / 970 mm
Width:	16.3 inch / 415 mm
Height:	32.6 inch / 830 mm
Height (WITH slide out system):	31.3 inch / 795 mm
Maximum Weight:	2,300 lbs/1,045kg

6 Model M17 **Continuous** Runtime Chart. (up to)

BATTERY AH AMP HOUR	M17 USAGE SCENARIOS											
	SWEEP AND SCRUB COMBINED						SWEEP ONLY			SCRUB ONLY		
	DP1 ec-H2O	DP1/SIDE SCRUB ec-H2O	DP3 ec-H2O	DP3/SIDE SCRUB ec-H2O	DP3/SIDE SCRUB ec-H2O	DP3/SIDE SCRUB ec-H2O	BASE SWEEP	W/ SB DUST CNRTL	DP1 ec-H2O	DP1/SIDE SCRUB ec-H2O	DP3 ec- H2O	DP3/SIDE SCRUB ec-H2O
930AH	4.0 hr	3.6 hr	3.0 hr	2.8 hr	2.8 hr	11.7 hr	11.7 hr	7.7 hr	6.4 hr	4.3 hr	3.8 hr	
750AH	3.0 hr	2.8 hr	2.3 hr	2.1 hr	2.1 hr	8.9 hr	8.9 hr	5.8 hr	4.9 hr	3.3 hr	2.9 hr	
510AH	1.9 hr	1.7 hr	1.4 hr	1.3 hr	1.3 hr	5.5 hr	5.5 hr	3.6 hr	3.0 hr	2.0 hr	1.8 hr	

The runtimes are guidelines. Actual times will vary based on floor conditions, final machine configuration & usage.

- 7 To calculate weights with batteries add the following to the product "Net" or "Ship" weights:

500 AH Battery = +1458 lbs / 663 kg
750 AH Battery = +2124 lbs / 965 kg
930 AH Battery = +2178 lbs / 990 kg
- 8 Expected Cycle Life: Cycle life is the number of charge cycles a battery is expected to last.
Type of Battery = Number of Cycles

510 AH Battery = 1200+ Cycles	Flat Plate Construction
750 AH Battery = 1200+ Cycles	Flat Plate Construction
930 AH Battery = 1500+ Cycles	Tubular Construction
- 10 Each battery is available with and without a battery watering system.
Watering System is manufactured on the battery and cannot be added in the field.
- 11 Slide-out battery kit does not include battery extraction device.
- 12 For battery extraction, the height of the battery compartment is 20 inch / 510 mm off the floor
- 13 Model M17 Charge Time Estimates*

	510AH	750AH
80A Output Charger	8 Hours	Not Recommended***
100A Output Charger	Not Advised**	9 Hours
120A Output Charger	Not Advised**	8 Hours
240A Output Charger (Opportunity Charger)	Not Advised**	Not Advised**

The 7300 did have a 150AH charger, but it's output was actually equivalent to the 120A charger due to charger efficiencies with the new charger technology

* These charge times are based on the High Frequency Charger Outputs, match to closest 7300 charger for est.

** It is not advised because the charger output would overheat the battery causing premature failure.

*** This Charger not recommended for the 750AH and 930AH requires reprogramming the algorithm to work properly with the battery.
- 14 Opportunity Charging for the M17 Offering:
Wet Tubular 930AH C/6 battery is available for the Opportunity Charging system and can only be ordered with the 240A 480V AC 50/60Hz 3Ph Charger 1219396
Opportunity Charger is only available with Wet 930AH Battery, 9017261
Wet Tubular 930AH Battery for Opportunity Charging is standard with battery watering

M17 Notes Continued...

- 15 The chargers for the M17 may require a local electrician to wire them into the customers electrical system.
Only the single phase charger comes with a cord, but the customer's outlet will determine the plug needs
- 16 Sales Rep Charger Kit 223683 is available for more convenient battery charging. The 120 volt "Smart" charger is recommended for occasional use only. An adaptor is available to connect the Anderson 175 on to the charger to the Anderson 350 connectors on the battery 363480 (order this adapter as a Custom Solution).
- 17 Productivity Package includes the standard Vacuum Wand, the Scrubbing Side Brush and the Spray Nozzle & Hose.
- 18 Dual Force Sweep system is standard. Direct Throw changes the pick up style of the sweep system.
- 19 The Live Wand is a dry vacuum wand only and cannot be ordered with the Fuel Cell, High Pressure Spray, Wet Vacuum Wand or Battery Slide Out.
- 20 High Pressure Spray cannot be ordered with: Fuel Cell, Live Wand, Wet Vacuum Wand, Battery Slide Out, ES, or Spray Nozzle w/Hose.
- 21 This Auto-Fill is Available only with Conventional and ec-H2O machines (fills Soluton Tank). It is included in the ES equipped machines (fills Solution Tank-100% and Recovery Tank-50%).
- 22 Includes a single drain hose that attaches to the drain valve...provides 10 ft / 3 m reach.
- 23 The Extended Ops Station cannot be ordered with an Overhead Guard.
- 24 AV BU Alarm w/ Strobe will be mounted on the tank. Cannot be ordered with the Strobe Light on Overhead Guard.
- 25 Additional hard copy Operator and Parts Manuals can be ordered or digital copies can be downloaded from www.Tennantco.com.

IRIS Pre-Paid and Monthly Packages are available for the IRIS Information Service.
 IRIS Module is required and NOT included in the price of the IRIS Information Service:
 3 Year Pre-Paid IRIS Information Service \$250.00
 5 Year Pre-Paid IRIS Information Service \$400.00
 A monthly contract can be set up at \$10 per month w/ 12 month minimum commitment.
 IRIS Telemetry Module only covers the price of the hardware.
 IRIS Telemetry requires an IRIS Telemetry Module and an IRIS Information Service Package.

- 26 Pad wrap available only in the Continental US and is the default packaging method.
Crate or Skid is mandatory when shipping to AK and HI. Packaging is added at No Charge when shipping to these locations.
A Skid is the only packaging option for the Pre-sweep equipped unit, no crate is available

27 Shipping Weights and Dimensions	<u>Pad Wrap</u>	<u>Skid</u>
Weight (w/ Wet 750AH Battery)	5400 lbs / 2454 Kg	5700 lbs / 2590 Kg
Length	117" / 2970 mm	118" / 3000 mm
Width	55.3" / 1405 mm	79" / 1975 mm
Height	58.25" / 1480 mm	68" / 1727 mm

CMAS SIN 271-104 Scrubbers-Sweepers

Model M30

BUILT-IN "TENANT VALUE" INCLUDES:

50 hp (37.2kW) 2.0L Gas/LP Engine EPA Tier 3	Standard Hybrid Scrub/Sweep Brushes (Select type)
40.5 hp (30 kW) 1.5 L Kubota Turbo Diesel EPA Tier 4i	Hygenic® Solution and Recovery Tanks
Engine@2800 RPMs	75 gal (284 L) Solution Tank
FloorSmart® Cleaning Technology - 48" (1220 mm) Path	95 gal (360 L) Recovery Tank
MaxPro2™ Hydraulic Technology	20 gal (76 L) Demisting Chamber
1-Step™ One Button Operation	Dura-Track™ Parabolic Rear Squeegee
Touch-N-Go™ Wheel Mounted Module	SmartRelease™ Breakaway System
Steering Wheel Mounted Horn	Linatex Squeegees
Steering Wheel Mounted Water Shut Off	Non-slip, Solid, Non-Marking - Soft Ride Tires
Recovery Tank Full/Solution Tank Empty Indicator	Variable Drain Valves™
Yellow Maintenance Touch Points	No Tool Squeegee & Brush Change
Low Oil Pressure/High Coolant Temp Shutdown (G/LPG only)	High-Capacity, Duramer™ Multi-Level Dump Hopper
Built-In Maintenance Diagnostics w/ Service Reminder	7 ft³ (198 L) or 650 lbs (295 kg) Usable Capacity
ErgoSpace™ Operator Compartment	60-inch (152 cm) Variable Dump Height
Tilt Steering Wheel w/ Horn	Thermo-Sentry™ Hopper Fire Sensor
Deluxe Suspension Seat	Multi-Level Locking Hopper Safety Arm
Retractable Seat Belt	InstantAccess™ No Tool Panel Filter Change
Ergonomic Propel Pedal	Dual-seal, Self-locating Synthetic Panel Filter
Cup Holder	78 ft² (7.3 m²) Pleated Media with 99 % Efficiency
Operator Video and Interactive DVD	Grip-N-Go™ Corner Rollers
Operator Manual and Parts Manual	Cup Holder
Underwriters Laboratory (UL®) Certification	
ec-H2O™ Cleaning Solution Includes:	<u>Wet Only Trim Level</u>
Electrically Converted Water Technology System	* Dry Dust Control System Removed
Two Scrubbing Modes: ec-H2O™ & Conventional Scrubbing	* Pro-Panel Controls Standard with this Trim Level

CUSTOM options may add 1 week or more to standard lead times.

Base Configuration

	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type				
M30 Gasoline (Petrol) Cylindrical Scrubber-Sweeper Conventional Scrubbing	M30-G	\$60,206.19	\$58,837.86	\$57,469.54
M30 LPG Cylindrical Scrubber-Sweeper Conventional Scrubbing	M30-LP	\$60,206.19	\$58,837.86	\$57,469.54
M30 Diesel Cylindrical Scrubber-Sweeper Conventional Scrubbing	M30-DSL	\$63,573.68	\$62,128.83	\$60,683.97
Trim Level				
ProPanel w/ WOC (Note 1).	WOC-M30	\$948.72	\$927.15	\$905.59
Pro Panel	P-M30	\$1,963.93	\$1,919.29	\$1,874.66
Cleaning Technology: (conventional is standard, ec-H2O can also operate in conventional mode) (note 2)				
ec-H2O™	ec-H2O-M30	\$3,473.01	\$3,394.08	\$3,315.14
ES® Extended Scrub	ES-M30	\$3,330.26	\$3,254.57	\$3,178.88
Squeegee Material				
Urethane (Note 3) (In lieu of standard)	9003872	\$557.70	\$545.03	\$532.35
LP Tank (Note 4)				
LP Tank, Empty (In lieu of standard)	24928-1	N/C	N/C	N/C
UL Rating				
UL® Label - Type LPS (In lieu of standard)	325933	\$3,368.38	\$3,291.83	\$3,215.27

Packages

	Reference Number			
Productivity Package - Includes: Side Brush (Select Sweeping or Scrubbing), Vacuum Wand, and Spray Nozzle w/ Hose	PRD-M30	\$4,117.60	\$4,024.02	\$3,930.44
Heavy Duty Protection Package - Includes: Heavy Duty Squeegee Protection and Overhead Guard	HDP-M30	\$1,452.33	\$1,419.32	\$1,386.32

Cleaning Performance

	Reference Number			
Side Brush, RH Sweeping OR Scrubbing (Note 5)	9003873	\$3,548.37	\$3,467.73	\$3,387.08
Vacuum Wand	9003876	\$653.46	\$638.61	\$623.76
Spray Nozzle with Hose (Note 6)	9003878	\$834.34	\$815.38	\$796.41
High Pressure Spray (Note 6)	9003853	\$2,770.78	\$2,707.81	\$2,644.84
Solvent Based Degreaser, 5 Gal (non-FaST Units)	9006770	N/C	N/C	N/C

Machine Protection & Safety

	Reference Number			
Heavy Duty Squeegee Protection	9003496	\$612.68	\$598.75	\$584.83
Overhead Guard	9001313	\$1,167.72	\$1,141.18	\$1,114.64
Soft Side Cab	325384	\$5,256.06	\$5,136.60	\$5,017.15
AC/Heater (Gas/LP) (must purchase Soft Side Cab)	325385	\$5,911.29	\$5,776.95	\$5,642.60
AC/Heater (Diesel) (must purchase Soft Side Cab)	325386	\$5,911.29	\$5,776.95	\$5,642.60
Rear Tires, High Traction, Non-Marking (in lieu of standard)	9011351	\$567.46	\$554.56	\$541.66
Audio Back-up Alarm	9001320	\$222.55	\$217.49	\$212.43
BU Alarm - Flash on Tank	9003492	\$478.79	\$467.91	\$457.03
BU Alarm - Flash on OHG	9003486	\$478.79	\$467.91	\$457.03
Flashing Light (only) on Tank	9001326	\$326.29	\$318.87	\$311.46
Flashing Light (only) on OHG	9001716	\$326.29	\$318.87	\$311.46
BU Alarm - Strobe on Tank	9003493	\$478.79	\$467.91	\$457.03
BU Alarm - Strobe on OHG	9003488	\$478.79	\$467.91	\$457.03
Strobe Light (only) on Tank	9001330	\$326.29	\$318.87	\$311.46
Strobe Light (only) on OHG	9001715	\$326.29	\$318.87	\$311.46
Strobe Lens - Red	1027798	\$19.51	\$19.06	\$18.62
Strobe Lens - Blue	1027800	\$19.51	\$19.06	\$18.62
Fire Extinguisher	9001315	\$19.51	\$19.06	\$18.62
Trailer Transport Kit	9001324	\$100.19	\$97.91	\$95.64

Brushes	Reference Number	1 unit	2-5 units	6-8 units
Cylindrical Scrubbing Brushes (2 Required)				
Polypropylene Brush (Cyl. Brush, 2 required)	1033375	N/C	N/C	N/C
Heavy Duty Polypropylene Brush (Cyl. Brush, 2 required)	1033374	N/C	N/C	N/C
Polypropylene, Window Brush (Cyl. Brush, 2 required)	1038430	N/C	N/C	N/C
Polyester Brush (Cyl. Brush, 2 required)	1033246	N/C	N/C	N/C
Super Abrasive Brush (Cyl. Brush, 2 required)	1033372	\$170.24	\$166.37	\$162.50
Super Abrasive, Window Brush (Cyl. Brush, 2 required)	1059641	\$170.24	\$166.37	\$162.50
Side Scrub/Sweep Brushes (Standard with Side Brush Assembly - Pick One)				
Polypropylene Brush (Side brush, Standard w/side brush assy.)	1220236	N/C	N/C	N/C
Polypropylene, Sweeping Brush (Side brush, Standard w/side brush assy.)	1220185	N/C	N/C	N/C
Nylon Brush (Side brush, Standard w/side brush assy.)	1220235	N/C	N/C	N/C
Super Abrasive Brush (Side brush, Standard w/side brush assy.)	1221543	\$238.51	\$233.09	\$227.67
Support (Note 7)				
Reference Number				
Gold Performance Package (M30)	GPP011	\$7,504.28	\$7,504.28	\$7,504.28
Ultimate Performance Guarantee	50619	N/C	N/C	N/C
Additional Operator Manual G/LP	9003943	\$39.01	\$38.13	\$37.24
Additional Operator Manual Diesel	9003948	\$39.01	\$38.13	\$37.24
Additional Operator Manual G/LP (Spanish)	9003944	\$39.01	\$38.13	\$37.24
Additional Operator Manual Diesel (Spanish)	9003950	\$39.01	\$38.13	\$37.24
Additional Operator Manual G/LP (French)	9003945	\$39.01	\$38.13	\$37.24
Additional Operator Manual Diesel (French)	9003951	\$39.01	\$38.13	\$37.24
Service Manual	900394	\$132.11	\$129.11	\$126.11
Machine Communication (Note IRIS)				
IRIS Telemetry Module	9009384	\$922.12	\$901.16	\$880.20
Packaging (Note 8)				
Non-Stackable Skid (in lieu of standard)	9003623	\$600.26	\$586.62	\$572.98
Custom Solutions				
Dewatering System	325592	\$2,354.06	\$2,300.55	\$2,247.05
Head Light Cover	325861	\$157.82	\$154.24	\$150.65
Seal Kit w/Draw Latch	325982	\$640.16	\$625.61	\$611.06
Notes				
1 Wet Only w/ Pro Panel includes the Pro Panel w/ Economy mode (low flow, low pressure, low vac fan) This option remove the dry dust control system to convert the machine to wet only sweeping. Sweeping side brush is not available with this option.				
2 ES Extended Scrubbing System is available factory installed only. This option includes autofill feature and detergent metering. ES is not compatible with High Pressure Spray.				
Cleaning Solutions are available factory installed only; Select only one, none are available combined with another: ES Extended Scrubbing system 9002977 ec-H2O™ option with sidebrush 9007129 ec-H2O™ option without sidebrush 9007130				
3 Dura-Track™ Squeegee Kit contains: one rear and one front blade for the rear squeegee and two blades for the scrub head side squeegees; Side Brush Squeegee Kit contains: one side brush squeegee blade and side brush squeegee hardware.				
4 A Full LP Tank cannot be shipped to Alaska or Hawaii. Orders shipping to these states will receive an Empty LP Tank.				
5 The Side Brush Assembly is an option for extending the sweeping path from 40" to 56". When choosing this option you must also select a Side Scrub/Sweep Brush, from the Brush section above.				
6 Spay Nozzle w/Hose and High Pressure Spray cannot be ordered together. High Pressure Spray is not available with the Productivity Package.				
7 Additional hard copy Operator and Parts Manuals can be ordered or digital copies can be downloaded from www.Tennantco.com.				
IRIS Pre-Paid and Monthly Packages are available for the IRIS Information Service. IRIS Module is required and NOT included in the price of the IRIS Information Service: 3 Year Pre-Paid IRIS Information Service \$250.00 5 Year Pre-Paid IRIS Information Service \$400.00 A monthly contract can be set up at \$10 per month w/ 12 month minimum commitment. IRIS Telemetry Module only covers the price of the hardware. IRIS Telemetry requires an IRIS Telemetry Module and an IRIS Information Service Package.				
8 Pad wrap available only in the Continental US and is the default packaging method. Non-Stackable Skid is mandatory when shipping to AK and HI. Packaging is added at No Charge when shipping				
9 Shipping Weights and Dimensions				
	Pad Wrap	Non-Stackable Skid		
Weight	4000 lbs / 1815 Kg	4200 lbs / 1905 Kg		
Length	108" / 2724 mm	116" / 2947 mm		
Width	59" / 1500 mm	69" / 1753 mm		
Height	58" / 1475 mm	68" / 1727 mm		

Sweepers and Litter Vacs, Outdoor

CMAS SIN 271-104 Outdoor Riders

SWEEPER, ATLV4300

BUILT-IN "TENANT VALUE" INCLUDES:

- | | |
|--|---|
| 25hp (19 kW) Kubota diesel engine, EPA Tier 4i
ROPS Certified
Industrial-grade radiator
Swing out hydraulic cooler
Key switch
4-wheel stance w/ 18"(460mm) front & 23"(580mm) rear tires
16 MPH 25km/h transport speed
Hydrostatic dual rear wheel drive
Independent rear wheel disk brakes
Front axle spring suspension
Headlights and taillights
II-Speed™ litter system
Duramer™ canister construction

110-gallon (416L) litter collection w/ two 55 gallon (208L) containers
Two-position tilt of debris canister for easy bag removal
270-degree boom swing with 4 foot (1220mm) reach
Boom handle position control
Gas cylinder assisted boom | Luxury cool gray operator's seat with arm rests and retractable seat belt
Power steering with tilt wheel
Super-structure frame
Vacuum fan shut-off
Industrial hydraulic oil cooler
Oversized, heavy-duty hydraulics
Color-coded/numbered wiring
Triple-sealed connectors
Circuit breakers
Electronic instrument panel:
Hour meter
Fuel level indicator
Oil pressure indicator
Water temperature indicator
Amp gauge |
|--|---|

Base Configuration

	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type				
ATLV 4300 Diesel (Kubota D1105)	4300-D	\$33,424.97	\$32,153.36	\$31,608.39
Turbo Diesel Engine (Kubota D1105T, 33 HP (25 kW), EPA Tier 4i) (5 month lead time on Kubota Engine machine)	368280	\$2,757.68	\$2,652.77	\$2,607.81

Packages

	Reference Number	1 unit	2-5 units	6-8 units
Cabin ROPS and Weather Package (Note 2)	367616	\$3,640.14	\$3,501.65	\$3,442.31
Productivity Package: Includes 48" / 1220mm Vacuum Head and 15' Vacuum Wand	367555	\$3,204.47	\$3,082.56	\$3,030.32
Road Package: Includes Turns Signals, Slow Moving Vehicle Sign, Revolving Light, Brake Lightes and 4 Way Flashers	367606	\$807.38	\$776.65	\$763.50

Cleaning Performance

	Reference Number	1 unit	2-5 units	6-8 units
Vario Brush (Note 3)	324419	\$9,284.35	\$8,931.14	\$8,779.77
Vacuum Head - 48" / 1220mm	367568	\$2,886.53	\$2,776.72	\$2,729.65
Vacuum Head w/Turf Skirt (Note 4)	368531	\$3,025.57	\$2,910.47	\$2,861.14
Vacuum Wand - 15' / 4.6m	367559	\$966.81	\$930.03	\$914.27
Fence Line Nozzle	367560	\$284.57	\$273.74	\$269.11
Wet Dust Control (Water assisted)	368614	\$1,299.59	\$1,250.15	\$1,228.96
Dust Control Filter, Panel Filter	367614	\$1,329.25	\$1,278.68	\$1,257.01
Dust Control Filter, Cloth Filter Bag	368039	\$230.81	\$222.03	\$218.27
Bagless Canister Liners	367749	\$324.43	\$312.09	\$306.80
Broom/Rake Holder	368659	\$165.92	\$159.61	\$156.91
Storage Box	367953	\$165.92	\$159.61	\$156.91

Machine Protection & Safety

	Reference Number	1 unit	2-5 units	6-8 units
Soft Cab Door (Note 5)	324192	\$1,200.40	\$1,154.73	\$1,135.16
Deluxe Seat with Armrests	367617	\$568.22	\$546.60	\$537.34
Front Tire, Pneumatic	9011107	N/C	N/C	N/C
Front Tire, Foam Filled	9011108	\$330.92	\$318.33	\$312.94
Front Tire, High Wear	9011109	\$79.72	\$76.69	\$75.39
Rear Tire, Pneumatic	9011110	N/C	N/C	N/C
Rear Tire, Foam Filled	9011111	\$463.48	\$445.84	\$438.29
Rear Tire, High Wear	9011112	\$118.65	\$114.14	\$112.20
Rear Tire, All-Terrain	9011113	N/C	N/C	N/C
AV BU Alarm	368656	\$752.69	\$724.05	\$711.78
AV BU Alarm and Revolving Light on Tank	9011404	\$1,081.75	\$1,040.59	\$1,022.96
Revolving light (Note 7)	367645	\$331.85	\$319.22	\$313.81
Work Lights (Note 8)	367642	\$406.93	\$391.45	\$384.82
Thermo-Sentry Fan Shut-off	367610	\$126.07	\$121.27	\$119.21
Fire Extinguisher	367608	\$104.75	\$100.76	\$99.05
Trailer Hitch Kit	367380	\$84.35	\$81.14	\$79.77
Transport Kit	367643	\$110.31	\$106.11	\$104.31

Support

	Reference Number	1 unit	2-5 units	6-8 units
Gold Performance Package	GPP002	\$5,840.71	\$5,840.71	\$5,840.71
Extended warranty (2 years/2000 hrs parts & labor) (Note 9)	376033	\$1,499.81	\$1,442.75	\$1,418.30
Ultimate Performance Guarantee	50619	N/C	N/C	N/C
Additional Operator Manual	330510	\$104.75	\$100.76	\$99.05
Additional Operator Manual (Spanish)	330512	\$104.75	\$100.76	\$99.05
Additional Operator Manual (French)	330513	\$104.75	\$100.76	\$99.05
Service Manual	330495	\$138.12	\$132.86	\$130.61
Packaging (Note 10)				
Crate (in lieu of standard)	368250	\$630.33	\$606.35	\$596.07
Skid (in lieu of standard)	375164	N/C	N/C	N/C

Notes

- 2 ROPS is Roll Over Protection per OSHA Spec.
Cabin ROPS and Weather Package includes Windshield Wiper, Left-Hand Rear View Mirror and Top and Front Covers with Open Sides. Front Foam-Filled Tires (9011108) and Rear Foam-Filled tires (9011111) must be ordered with Cabin ROPS and Weather package.
- 3 367629 foam-filled tires are Mandatory and an Additional Price when ordering 324419 Vario Brush
- 4 Includes the Vacuum Head and Turf Skirt. Turf Skirt option is not available with the Productivity Package.
- 5 Soft cab Door : only available with Cabin ROPS and Weather Package
- 6 Front Tire, High Wear Foam Filled will include Rear High Wear Foam Filled Tires.
Rear High Wear Foam Filled Tires are not available with any other tire option.
- 7 Revolving Light is included in the Road Package so this option cannot be added in addition to the Road Package.
- 8 Working Light Package P/N 367642 Includes Lights Mounted on the ROPS.
Headlights are standard on the machine.
- 9 Warranty Plus Extended Warranty includes an additional 18 months trip and labor coverage.
- 10 Pad wrap available only in the Continental US and is the default packaging method.
Either a crate or skid must be chosen when shipping to AK and HI. Packaging is added at No Charge when shipping to these locations.
- 11 ENGINE EMISSION CERTIFICATION: We cannot certify that engine emissions will meet a particular customer's tolerable limits. Oxycatalyst Muffler is available as a Custom Option to help reduce emission levels.

12 Shipping Weights and Dimensions

	<u>Pad Wrap</u>	<u>Crate</u>
Weight	2600 lbs / 910 Kg	2750 lbs / 1247 Kg
Length	102" / 2590 mm	116" / 2946 mm
Width	46" / 1680 mm	70" / 1778 mm
Height	83" / 2113 mm	90" / 2286 mm

SWEEPER, SENTINEL

CMAS SIN 271-104 Outdoor Riders

BUILT-IN "TENANT VALUE" INCLUDES:

100 hp (75kW) Turbocharged Tier 4F / Stage 4 Cummins Diesel Engine	AQMD Rule 1186 Certification (PM-10)
Dual stage air cleaner	Pressurized cabin
Leaf-spring suspension system	Filtered air (MERV 15 Rated)
Oil bath power disc service brakes	Total view glass cab doors
4 Wheel power steering	Sliding glass windows
Hydraulic towing bypass valve and hooks	Premium suspension seat
3.4 yd ³ (2600 L) Stainless steel hopper	Tilt steering
High-speed debris transport system	Seat belts
Hopper movement warning alarm	Heater/defroster
Thermo-Sentry™	Keyed door locks
Easy-reach controls	Slow moving vehicle sign
One-button sweeping	Audio back-up, and hopper moving alarm
Premium carbide inserted skids	Backup lights
Synthetic Filter with Shaker System	Dual headlights/taillights
Conveyor: Automatic Hydraulic Self-Tensioning System	Polypropylene main brush
PerformanceView™ Camera System	Polypropylene & wire side brush
LCD Instrument Panel Display	Pneumatic-Bias Ply Tires

CUSTOM options may add 1 week or more to standard lead times.

Base Configuration	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type (Note 1)				
Sentinel DIESEL Tier 4f (Wet and Dry Sidebrush Dust Control)	SENTINEL-W/D4	\$163,106.50	\$160,003.93	\$157,344.58
Sentinel DIESEL Tier 4f (Wet Sidebrush Dust Control)	SENTINEL-WET4	\$160,650.08	\$157,594.23	\$154,974.93
Sentinel DIESEL Tier 4f (Dry Sidebrush Dust Control)	SENTINEL-DRY4	\$160,650.08	\$157,594.23	\$154,974.93
Steering				
Left Side of Cab (ONLY) (Note 2) (in lieu of standard right side)	9018344	\$2,354.46	\$2,309.67	\$2,271.28
Engine Air Pre-Cleaner - Heavy Duty (Note 3)	1243444	\$2,215.42	\$2,173.27	\$2,137.15
Packages (Note 4)	Reference Number			
Airport Package	326757	\$10,381.86	\$10,184.38	\$10,015.11
Aluminum / Steel / Mining Package	326755	\$13,718.89	\$13,457.93	\$13,234.26
Cement and Heavy Dust Package	326759	\$8,412.09	\$8,252.08	\$8,114.92
Landfill Package	326756	\$11,322.72	\$11,107.35	\$10,922.73
Municipalities Package	326758	\$11,827.91	\$11,602.92	\$11,410.08
Shipyards and Dock Package	326760	\$9,501.26	\$9,320.52	\$9,165.61
HEPA Filtered Cab Package	HFC-SENT	\$16,648.06	\$16,331.39	\$16,059.95
Air Conditioning, HEPA Cab Filter, Solid Cab Windows				
Cleaning Performance	Reference Number			
Side and Vario Brush for RH Steering:				
Dual Side Brush Assembly (Wet Dust Control) (Note 5)	9000035	\$3,693.90	\$3,623.64	\$3,563.42
Dual Side Brush Assembly (Dry Dust Control) (Note 5)	9000043	\$3,693.90	\$3,623.64	\$3,563.42
Vario Sweeping Brush Assembly (Wet Dust Control) (Note 6)	9018244	\$15,062.97	\$14,776.44	\$14,530.85
Side and Vario Brush for LH Steering:				
Dual Side Brush Assembly (Wet Dust Control) (Note 5)	9000102	\$3,693.90	\$3,623.64	\$3,563.42
Dual Side Brush Assembly (Dry Dust Control) (Note 5)	9000101	\$3,693.90	\$3,623.64	\$3,563.42
Vario Sweeping Brush Assembly for LH Steering Unit (Note 6)	9018238	\$15,062.97	\$14,776.44	\$14,530.85
(NOTE: All of the above Optional Brush Assemblies come with a brush.)				
Vacuum Wand (Note 7)	9018334	\$1,747.30	\$1,714.07	\$1,685.58
Extension Nozzle, vacuum wand	770177	\$913.05	\$895.68	\$880.80
Vac Wand Extension Hose, 12 -feet (Only with Vacuum Wand)	9000088	\$452.35	\$443.75	\$436.37
High Pressure Spray (Note 5)	9018498	\$4,481.81	\$4,396.56	\$4,323.49
Magnet Bar (Custom Option)	324788	\$3,360.20	\$3,296.28	\$3,241.50
Multi-Level High Dump (9 ft 6 in / 2.9m) with Overload Indicator	9000064	\$11,554.46	\$11,334.67	\$11,146.29
Hopper Clean-Out Tool	9000076	\$184.46	\$180.96	\$177.94
Hopper Drain (Note 7)	324688	\$1,436.78	\$1,409.44	\$1,386.02
Hydrant Wash Down Hose Kit	9018364	\$1,056.73	\$1,036.62	\$1,019.40
Hydrant Water Tank Fill (Note 5)	9018363	\$420.84	\$412.83	\$405.96
Machine Protection & Safety	Reference Number			
Rubber Rear Bumper	9000079	\$194.66	\$190.95	\$187.78
Rubber Skids	324747	\$108.45	\$106.39	\$104.62
Central Lubrication (Low Dump)	9000196	\$6,419.14	\$6,297.04	\$6,192.38
Central Lubrication (Multi-Level Dump)	9000091	\$7,332.19	\$7,192.72	\$7,073.17
Cab Tilt, Hydraulic Lift Assist	9000057	\$1,093.80	\$1,073.00	\$1,055.16
Cab Door Interior Locks	9000185	\$462.55	\$453.75	\$446.21
Air Conditioning	9018215	\$3,327.76	\$3,264.45	\$3,210.20
Solid Cab Windows	326447	\$1,668.51	\$1,636.78	\$1,609.57
Cab Filter - HEPA	326400	\$10,859.24	\$10,652.69	\$10,475.63
Deluxe Seat w/Air Suspension	324754	\$704.48	\$691.08	\$679.60
Passenger Seat	9000089	\$505.19	\$495.58	\$487.35
Passenger Seat with Suspension	9000086	\$903.78	\$886.59	\$871.85
Passenger Seat, Deluxe w/Air Suspension	325091	\$1,307.00	\$1,282.14	\$1,260.83
Tires, Foam-Filled - Bias Ply in lieu of Std (Note 8)	9000074	\$1,297.73	\$1,273.05	\$1,251.89
Tires, Foam-Filled - Radial in lieu of Std (Note 8)	9000080	\$1,677.78	\$1,645.86	\$1,618.51
Tires, Pneumatic - Radial	9000078	\$1,158.69	\$1,136.64	\$1,117.75
Spare Tire, Foam Filled - Bias Ply	760105	\$699.85	\$686.54	\$675.12
Spare Tire, Foam-Filled - Radial	761795	\$1,158.69	\$1,136.64	\$1,117.75
Spare Tire, Pneumatic - Bias Ply	9000073	\$637.74	\$625.61	\$615.21
Spare Tire, Pneumatic - Radial	760062	\$1,093.80	\$1,073.00	\$1,055.16
Jack & Lug Wrench Kit	760047	\$537.63	\$527.41	\$518.64
Radio/CD/Weather Band	9000082	\$862.07	\$845.66	\$831.61
Strobe Light -Dual with Guards (Note 9)	770163	\$764.74	\$750.19	\$737.72
Arrow Stick Sign Board -Halogen (Note 10)	770164	\$2,016.12	\$1,977.77	\$1,944.90
Work Lights: Halogen (Note 11)	9000084	\$495.92	\$486.49	\$478.40
Work Lights: LED (Note 11)	325753	\$1,755.65	\$1,722.25	\$1,693.62
Synthetic Hydraulic Oil	9000123	\$1,612.90	\$1,582.22	\$1,555.92
High Ambient Hydraulic Oil (Note 12)	9000126	\$126.99	\$124.57	\$122.51
Protectoseal Gas Cap	9000077	\$356.88	\$350.09	\$344.27
Fire Extinguisher	9000075	\$203.93	\$200.05	\$196.73

Support	Reference Number			
Gold Performance Package (Sentinel)	GFP021	\$34,156.93	\$34,156.93	\$34,156.93
Ultimate Performance Guarantee	75806	N/C	N/C	N/C
Additional Operator Manual (English)	331000	\$101.04	\$99.11	\$97.47
Additional Operator Manual (Spanish)	331002	\$101.04	\$99.11	\$97.47
Additional Operator Manual (French)	331003	\$101.04	\$99.11	\$97.47
Service Manual Paper	9018572	\$72.30	\$70.92	\$69.74
Custom Solutions (note 14)				
Frame Lift Lugs (Front / Rear)	325539	\$2,410.08	\$2,364.23	\$2,324.94
Frame Lift Lugs (Side)	325519	\$3,619.75	\$3,550.89	\$3,491.88
Hyd Hose Sleeve Protection - Includes: Low Dump, Hopper Dump (Hyd Hose Sleeve Protection) (Note 15)	324710	\$1,770.48	\$1,736.80	\$1,707.93
Multi-Level Dump, Hopper Dump Height (Hyd Hose Sleeve Protection)	324702	\$2,062.47	\$2,023.23	\$1,989.61
Hydraulic Lift Assist, Cab Tilt (Hyd Hose Sleeve Protection)	325870	\$80.64	\$79.11	\$77.79
Vario Brush (Hyd Hose Sleeve Protection)	325871	\$254.91	\$250.07	\$245.90
Hinged Convey Door	325877	\$922.32	\$904.78	\$889.73
Hinged Side Brush Cover (Right Hand Side) (note 16)	325879	\$848.16	\$832.03	\$818.20
Hinged Side Brush Cover (Dual)	325879-325878	\$1,687.05	\$1,654.96	\$1,627.46
Hinged Main Brush Cover (Note 16)	325264	\$1,666.66	\$1,634.95	\$1,607.78
LED Turn Signals	325751	\$852.80	\$836.57	\$822.67
LED Headlights	325754	\$2,039.29	\$2,000.50	\$1,967.25
Main Brush Tool Kit	324753	\$380.05	\$372.82	\$366.62
Filter Clogged Indicator	326761	\$500.55	\$491.03	\$482.87
In Cab Wheel Alignment Kit	325265	\$618.28	\$606.52	\$596.43

Notes

1 All Sentinels are shipped with a Cummings Tier 4f Diesel Engine.
The Tier 4f diesel engine requires the use of ultra-low sulfur diesel (ULSD) fuel only.
Only ultra-low sulfur diesel (ULSD) fuel with <15 ppm should be used (on-highway grade). If any other type of fuel or additive is used, severe damage may occur to the emissions equipment or engine AND may affect the emissions equipment or engine warranty).
Please reference the operator's manual for more information.

2 Not DUAL STEERING, Moves driver from Right side to Left side of cab

3 The Heavy Duty Engine Air Pre-Cleaner is required for the Aluminum/Steel/Mining, Cement/Heavy Dust, and Landfill Packages.
When the Heavy Duty Engine Air Pre-Cleaner is selected with one of these packages, the price will be included in the price of the package selected.

4 Packages are not compatible with each other. Packages are only available with Dry or Wet and Dry Dust Control.
Selection of a package provides a 10% discount over ordering individual options.
Please see below for full package details. Contact Custom Solutions group with any questions.

Airport Package:

Magnet Bar w/Stripper Plate*, Hinged Main Brush Doors, Hopper Restriction Kit, LED Front/Side Turn Signals, LED Headlights, Hinged Conveyor Door.
*Stored in hopper for transport
Factory installed Polypropylene Side Brush and Vario Brush available as custom options

Aluminum / Steel / Mining Package:

Rod End Seal Kit (Main Brush Linkage), Solid Tires*, Sound Reduction Kit., Hinged Main Brush Doors, Hopper Restriction Kit, LED Worklights (on top of cab and rear hopper**), Manual Conveyer Tensioning Kit, Hinged Conveyor Door
Low Hyd Oil Shut Down.
Requires the Heavy Duty Engine Air Pre-Cleaner. Price of package includes the Pre-Cleaner.
*Speed is reduced to 15mph / 24kmh
**Cannot be ordered with 9000084 Halogen Work Lights
Central Lubrication is recommended with this package.
Reduced Travel Speed Kit available separately.

Cement and Heavy Dust Package:

Air Suspension Driver Seat, Hinged Main Brush Doors, Hopper Restriction Kit, Hinged Conveyor Door, Vacuum Wand, Halogen Work Light Kit.
Requires the Heavy Duty Engine Air Pre-Cleaner. Price of package includes the Pre-Cleaner.
Central Lubrication is recommended with this package.

Landfill Package:

Air Suspension Driver Seat, Hinged Main Brush Doors, Hopper Restriction Kit, Hinged Conveyor Door, Strobe Light Kit*, Arrow Stick Sign Board**, Foam Filled Tires-Radial.
Requires the Heavy Duty Engine Air Pre-Cleaner. Price of package includes the Pre-Cleaner.
*Two lights - 1 on cab and 1 on rear of hopper
**Located on rear hopper

Municipalities Package:

DOT Reflector Kit, 3 Point Seatbelt, Air Suspension Driver Seat, Hinged Main Brush Doors, Hopper Restriction Kit, LED Front/Side Turn Signals, LED Headlights, Hinged Conveyor Door, Strobe Light Kit*, Arrow Stick Sign Board**, Fire Extinguisher, Halogen Work Light Kit.
*Two lights - 1 on cab and 1 on rear of hopper
**Located on rear hopper
Central Lubrication is recommended with this package.

Shipyard and Dock Package:

Rubber Skids, Hinged Main Brush Doors, Hopper Restriction Kit, Rust Proofing (Hardware, Non-Painted Parts)*, Hinged Conveyor Door, Low Hyd Oil Shut Down, Strobe Light Kit**, Arrow Stick Sign Board***, Halogen Work Light Kit.
*Hardware under the frame: Includes axle mounting hardware, ends of any pins and shackles.
**Two lights - 1 on cab and 1 on rear of hopper
***Located on rear hopper

5 Units equipped with Dry Side Brush Dust Control cannot be equipped with options requiring use of water. Options using water include Vario Sweeping Brush™ High Pressure Spray and Hydrant Fill Kit.
If you have a customer interested in ordering a Dry Side Brush Control with one of these options, they must order the combined Wet and Dry Side Brush Dust Control PN 9018072.

6 Recommended for use with flat wire side brushes. The cost shown is for a single brush assembly.

7 Vacuum Wand and Hopper Drain cannot be ordered together as standard options.
If both options are required, please contact Custom Solutions.

8 Foam fill tires are not intended for applications where sustained maximum travel speed is required.

9 The strobe options include dual lights with installed limb guards.

- 10 Select 770164 Arrow stick lamp when ordered **WITH** Additional Revolving light 770162 or 770163
 Select 770165 Arrow stick lamp when ordered **withOUT** Additional Revolving light 770162 or 770163
- 11 Work Light Package consists of:
 Twin Flood Lights on top of Cab (Front)
 Single Flood Light on top of Hopper (Rear)
- 12 Recommended for applications where the ambient temperature exceeds 100°F for extended periods of time and does not get below 30°F. Please contact Current Products Engineering (Bruce Johnson x1801) to discuss the customer application and determine if this is the appropriate hydraulic oil for the application.
- 13 Sentinel brushes are included in our brush quantity discount programs, but are **NOT** included in the brush volume discount program.
- 14 Custom Options are not part of the UPG program and will not be compensated for if unit is returned.
- 15 The Hyd Hose Sleeve Protection is a complete kit for ALL Hyd Hoses.
 When ordering, select the part numbers and pricing that match the options chosen for your machine.
- 16 Hinged Side Brush and Hinged Main Brush covers are not compatible with each other.
- 18 Machine Weight and Dimensions
- | | |
|--------|----------------------|
| Weight | 20,000 lbs / 9072 Kg |
| Length | 175" / 4445 mm |
| Width | 70" / 1780 mm |
| Height | 102" / 2590 mm |

Dual Technology Carpet Maintainer

CMAS SIN 271-104 CARPET RIDER

Model R14

BUILT-IN "TENNANT VALUE" INCLUDES:

ReadySpace® cleaning technology and deep extraction	Standard (4) 6V 360AH battery pack
700mm/28" cleaning path	Battery Tray
121 l/32-gal. solution & 106 l/28-gal. recovery tanks	25 Amp Off-board charger
Hygienic® fully cleanable solution/recovery tanks	One set of ReadySpace® rollers & extraction brushes
Solution tank empty indicator	Rugged Duramer™ Tank Construction
Recovery tank full indicator	Vacuum fan in-line air filter
Touch Panel Controls	Virtual DVD manual
Featuring on-board diagnostics	Operators manual
One-button operation	CRI certified, Bronze Cleaning Performance
E-stop, hour meter and horn	

Base Configuration

	Reference Number	2019 CMAS Price Including IFF		
		1 unit	2-5 units	6-8 units
Cleaning Type				
R14 Ride-On Dual Technology Carpet Maintainer 700mm/28"	R14-700	\$12,837.58	\$12,640.08	\$12,442.58
Battery Option				
HydroLink® Battery Watering Kit (Note 1)	9009619	\$277.03	\$272.77	\$268.50
Machine Protection & Safety	Reference #			
Strobe Light on Tank	9000580	\$348.41	\$343.05	\$337.69
Utility Basket (small storage)	1018315	\$108.06	\$106.40	\$104.74
Support	Reference #			
Gold Performance Plan (R14)	GPP019	\$3,576.02	\$3,576.02	\$3,576.02
Additional R14 Operator Manual (English)	1032047	\$75.31	\$74.16	\$73.00
Additional R14 Operator Manual (Spanish)	1032123	\$75.31	\$74.16	\$73.00
Additional R14 Operator Manual (French)	1032124	\$75.31	\$74.16	\$73.00
Packaging				
Skid w/ Carton, Non-Stackable	9002882	\$225.29	\$221.82	\$218.36
Skid with Stretch Wrap	9007286	\$154.56	\$152.18	\$149.80

Notes

1 Only available as factory-installed when batteries are ordered with machine.

2 Shipping Weights and Dimensions	Pad Wrap	Skid w/ Carton
Weight (w/360AH batteries)	590 lbs / 268 Kg	650 lbs / 295 Kg
Length	60" / 1,524mm	68" / 1,727mm
Width	28" / 711mm	33" / 838mm
Height	42" / 1,067mm	48" / 1,219mm

SWEEPING BRUSHES

Tennant sweeping brushes are built to last. Manufactured with premium, heavy-duty raw materials and a unique spline drive system, these brushes last longer and ensure superior performance by efficiently transferring power from hub to brush.



Full-Fill -Designed with a dense pattern for trapping sand, dust and other fine debris



Sand Wedge -A high-density brush with a zigzagged pattern that effectively picks up the accumulation of heavier fine debris.



Full-Fill Tube Broom -Heavy-gauge polypropylene fill material provides superior sweeping performance on uneven or irregular surfaces.



Window Brush- A patented brush with open "windows" to trap light litter.



6/8 Double Row - Bristles pick up fine debris while the spacing between the rows effectively traps bulkier litter.



Patrol Brush -Wider spaced rows effectively pick-up bulky litter during high-speed sweeping.



Side Brushes- Round, flared design reaches into corners or along edges, pushing debris in front of the sweeper for pick up by the main broom.

SCRUBBING BRUSHES

Long-life disk and cylindrical brushes feature plastic backings to protect against warping and splitting. Drain holes help flush water and grit from high-wear spots to protect the machine's drive plug and ensure optimum spin rates.



Cylindrical and Disk- Full-fill bristle patterns are trimmed to an optimal length for excellent floor surface coverage, and appropriate bristle stiffness delivers effective scrubbing performance.

Cylindrical Scrub Brush

Disc Scrub Brush

BRUSH FILL MATERIAL GUIDE

