



CREATING A CLEANER, SAFER, HEALTHIER WORLD.

EQUIPMENT



# T20

## HEAVY-DUTY INDUSTRIAL SCRUBBER

- Achieve excellent cleaning results with aggressive scrubbing and MaxPro<sup>2</sup>™ hydraulic technology
- Maximise productivity with ec-H<sub>2</sub>O™ technology for cleaning up to three times longer than conventional scrubbing
- Increase visibility with cab-forward design, open sightlines, and steering-wheel-mounted controls
- Improve operator and supervisor experience with available Pro-Panel™ technology

A **HIGH-PERFORMING, HEAVY-DUTY SCRUBBER** FOCUSED ON DELIVERING CUSTOMISED SOLUTIONS TO MEET CUSTOMER NEEDS



## THE T20 ADDRESSES YOUR KEY BUSINESS CHALLENGES



### REDUCE COST TO CLEAN

- Maximise productivity with an optional side brush that provides increased reach along edges and a wider cleaning path.



### MAINTAIN HEALTH & SAFETY

- Ensure safe operation with cab-forward design that improves visibility and full front shroud that ensures operator leg and foot protection.



### ENHANCE FACILITY IMAGE

- Deliver excellent cleaning results with MaxPro2™ hydraulic technology that provides consistent power to the brush drive motors regardless of floor surface changes.

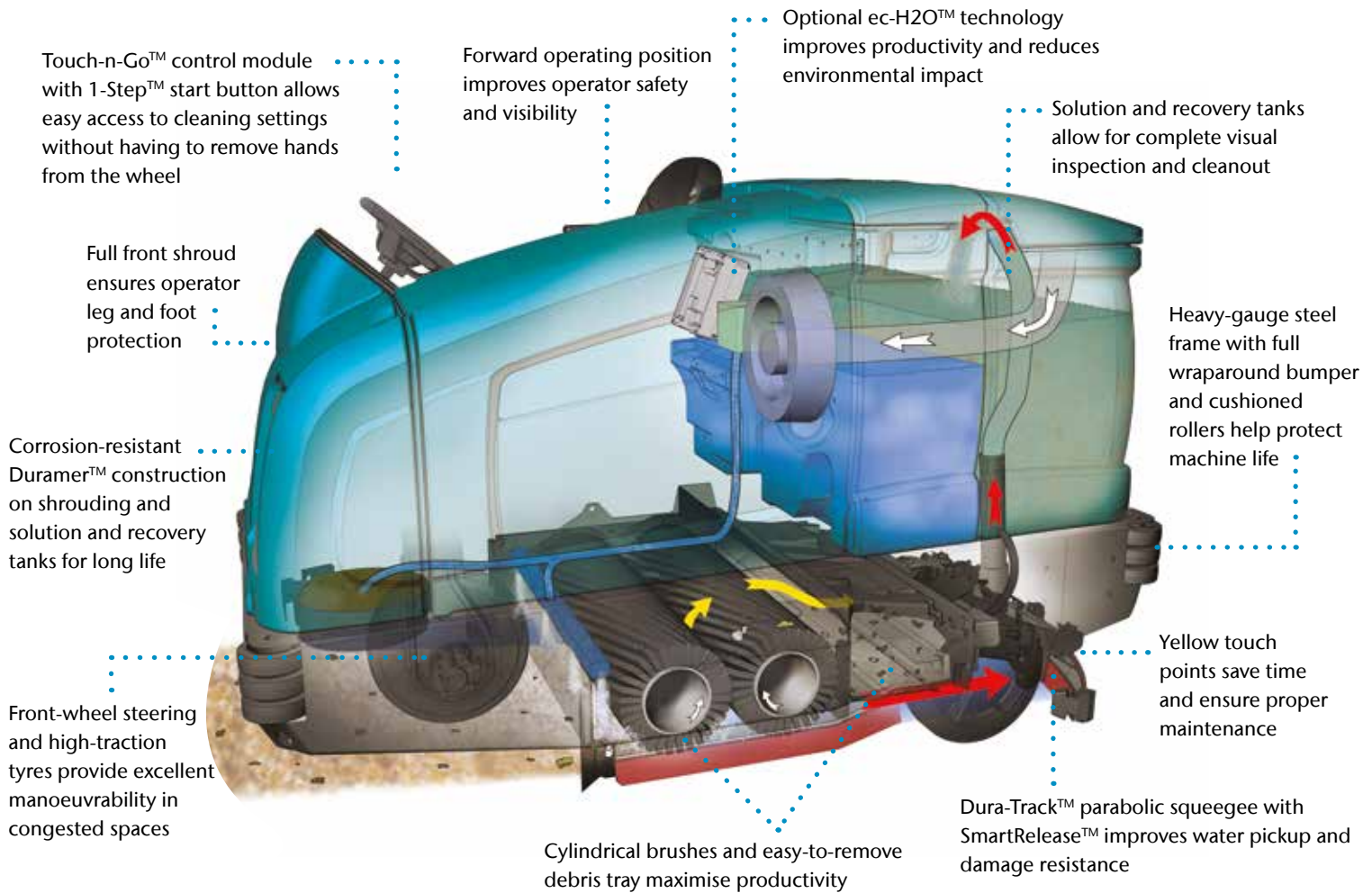


### EASY OPERATION & MAINTENANCE

- Reduce training and simplify operation with the Touch-n-Go™ control module featuring 1-Step™ start button.



# INSIDE THE T20



Scrubbing side brush widens cleaning path up to 54 in/1,370 mm.

Disk scrub head for effective scrubbing and simple no-tool brush change.

Rear and side steel guards protect squeegee upon impact and prevent it from hooking on to obstacles.

KEY OPTIONS



## ENGINEERED FOR PRODUCTIVITY



Touch-n-Go™ Control Module



Operator Compartment



Dura-Track™ Parabolic Squeegee

- ▶ **Touch-n-Go™ control module with 1-Step™ start button** allows operators quick access to all settings without removing hands from the steering wheel.
- ▶ **Cab-forward position and spacious operator compartment** provide outstanding visibility, safety and ergonomics to protect operators, the machine and your facility.
- ▶ **Dura-Track™ parabolic squeegee with SmartRelease™** delivers exceptional water pickup and reduces maintenance and replacement parts due to squeegee damage.
- ▶ **Easy-access design** offers quick service access and visibility to on-board diagnostics, helping minimise downtime and reduce maintenance costs.
- ▶ **Debris tray on cylindrical units is equipped with handle and wheels** to allow for simple and fast removal, transport, and emptying of the debris.
- ▶ **Heavy-duty frame with cushioned corner rollers** helps protect your facility and machine.



Easy-Access Design



Debris Tray



Heavy-duty Frame and Cushioned Corner Rollers

Overhead guard protects operators from falling objects.

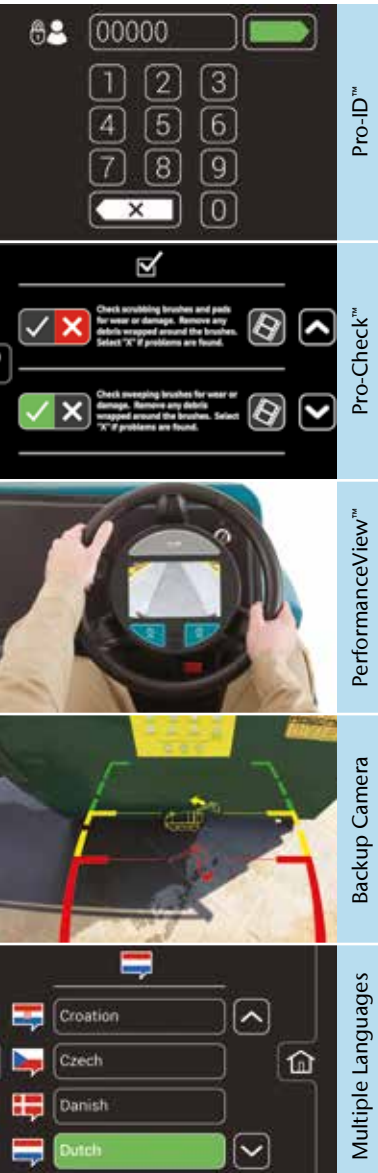
High-powered pressure washer allows for easy blast-cleaning of hard-to-reach areas.

Safety warning light ensures awareness of machine during operation.





## INNOVATIVE TECHNOLOGIES



### AVAILABLE PRO-PANEL™ TECHNOLOGY REDEFINES THE USER EXPERIENCE

Transform your cleaning operation with Pro-Panel™ technology – a revolutionary breakthrough in user experience. Pro-Panel™ technology integrates multiple controls into an intuitive, high-visibility touchscreen interface.



- Effectively manage your asset and operators with **supervisor controls** that allow the machine function to be matched to the operator skill level and prevent unauthorised use.
- Ensure successful starts with **Pro-ID™** operator login, which automatically activates the specific operator's personalised cleaning settings and downloadable **Pro-Check™** pre-operation checklists.
- Increase cleaning efficiency with programmable **Zone Settings™** that allow you to establish preferred cleaning settings by area of facility.
- Provide operators with a view of their cleaning path without having to take their eyes off the direction of travel with **PerformanceView™**.
- Increase visibility with a **backup camera** featuring coloured guidelines that help drivers safely dump debris and avoid objects when in reverse.
- Reduce the need for extensive operator training with **on-board, on-demand videos**.
- Increase machine ease of use with **28 different language** options.

### ADDITIONAL EXCLUSIVE TECHNOLOGIES

All technologies increase scrub time up to three times using a single tank of water.



ec-H2O™ technology electrically converts water into an innovative cleaning solution that cleans effectively, saves money, improves safety, and reduces environmental impact\* compared to daily cleaning floor chemicals and methods.



\* Based on a study by EcoForm™. Visit [www.tennantco.com](http://www.tennantco.com) for more information.



ES® Extended Scrubbing productivity enhancement system recycles cleaning chemicals to increase uptime and improve productivity by scrubbing floors using 66% less chemicals than traditional cleaning methods.

## ENVIRONMENTAL STEWARDSHIP



**ec-H2O and FaST technologies are NFSI (National Floor Safety Institute) Certified.** NFSI certification ensures a product has passed a two-phase testing process, proving the floor product helps to reduce potential for slip-and-fall accidents.



**ec-H2O and FaST technologies are registered by NSF International.** NSF International is an independent, not-for-profit organisation that ensures formulation and labels on these products meet appropriate food safety regulations.



**Tennant FaST 365 and FaST 965 detergents have been awarded the European Eco-label.** This proves that our Tennant FaST® detergents have a reduced environmental impact compared to standard detergents.



**ec-H2O technology won the European Business Award 2009** for the Business Innovation of the Year, one of the most prestigious business awards. The European Business Awards ([www.businessawardseurope.com](http://www.businessawardseurope.com)) is an independent awards programme designed to recognise and promote excellence, best practice and innovation in the European business community.



Conserve Resources



Reduce Detergents



Increase Safety



Improve Air Quality



Manage your cleaning program with key performance metrics based on machine data.

### GENUINE TENNANT PARTS, SUPPLIES AND SERVICE

#### Tennant Service Offering

- Maximise safety, productivity and uptime
- Control and protect your investment and lower your total cost of ownership
- Benefit from over 200 factory-trained service technicians across Europe

#### Tennant Parts & Supplies

- Operate your machine with confidence
- Benefit from years of worry-free operation

#### Tennant Cleaning Solutions

- Further your sustainable cleaning goals
- Choose sustainable benefits your company wants

## T20 HEAVY-DUTY INDUSTRIAL SCRUBBER

### SCRUBBING SYSTEM

|                                             |                |
|---------------------------------------------|----------------|
| Cleaning path                               |                |
| Cylindrical main brushes                    | 40 in/1,020 mm |
| Disk main brushes                           | 42 in/1,070 mm |
| With scrubbing side brush                   | 54 in/1,370 mm |
| With sweeping side brush (cylindrical only) | 56 in/1,420 mm |

### BRUSH DRIVE SYSTEM

|                                       |               |
|---------------------------------------|---------------|
| Cylindrical main brushes              |               |
| Brush speed                           | 480 rpm       |
| Brush down pressure (up to)           | 390 lb/177 kg |
| Brush diameter (2)                    | 12 in/300 mm  |
| Disk main brushes                     |               |
| Brush speed                           | 230 rpm       |
| Brush down pressure (up to)           | 400 lb/181 kg |
| Brush diameter (3)                    | 14 in/360 mm  |
| Disk side brush                       |               |
| Brush speed                           | 150 rpm       |
| Scrubbing brush diameter              | 16 in/410 mm  |
| Sweeping brush diameter (cylindrical) | 21 in/533 mm  |

### SOLUTION DELIVERY SYSTEM

|                            |               |
|----------------------------|---------------|
| Solution tank              | 80 gal/303 l  |
| Solution capacity with ES* | 125 gal/473 l |

### RECOVERY SYSTEM

|                   |                           |
|-------------------|---------------------------|
| Recovery tank     | 95 gal/360 l              |
| Demisting chamber | 15 gal/57 l               |
| Debris tray       |                           |
| Volume capacity   | 1.1 ft <sup>3</sup> /31 l |
| Weight capacity   | 110 lb/50 kg              |
| Vacuum fans       |                           |
| Speed             | 11,000 rpm                |
| Water lift        | 35 in/890 mm              |

### PROPELLING SYSTEM

|                                    |                  |
|------------------------------------|------------------|
| Propel speed forward (variable to) | 8.0 mph/13 km/h  |
| Propel speed reverse (variable to) | 4.0 mph/6.4 km/h |
| Engine-gasoline/LPG (2.0 L)        | 50 Hp/37.3 kW    |
| Engine-diesel (1.5 L)              | 24.8 Hp/18.5 kW  |
| Gradeability                       |                  |
| Transport at gross weight          | 10.0°/18%        |
| Working (cleaning)                 | 8.0°/14%         |
| Ground clearance                   | 3 in/76 mm       |

### MACHINE SPECIFICATIONS

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

### WARRANTY

See your local representative for warranty information.

Specifications subject to change without notice.

## SEEING IS BELIEVING

*For a demonstration or additional information contact us:*

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