

| FLOOR SCRUBBER<br>BID OPENING DATE 3-4-14             | ACTION TIME USA<br>INC                                  | ALL TYPE VACUUM   | BUCKEYE<br>INTERNATIONAL                                 | HILLYARD INC  | INDUSTRIAL SOAP<br>COMPANY                              | HP PRODUCTS   | TENNANT SALES AND<br>SERVICE CO                         | QUILL<br>CORPORATION                       |
|---|---|---|--|---|---|---|---|--|
|   | 125 WEST COUNTRY CLUB<br>DR TAMPA FL 33612              | 10678 TRENTON AVE<br>ST LOUIS MO 63132  | 300 ZODIAC INDUSTRIAL<br>CT MARYLAND HEIGHTS<br>MO 63043 | 815 FEE FEE MARYLAND<br>HEIGHTS MO 63043                        | 722 S VANDEVENTER<br>ST LOUIS MO 63110                  | 4220 SAGUARO TRAIL<br>INDIANAPOLIS IN 46268                           | 701 N LILAC DR<br>MINNEAPOLIS MN 55422                  | 100 SCHEYLER ROAD<br>LINCOLNSHIRE IL 60069 |
| TOTAL BID AMOUNT (INCLUDING<br>ALL SHIPPING AND FEES) | \$4,810.00  | \$5,579.17  | \$3,825.92   | Advance- \$4,854.85<br>Windsor- \$6,154.94<br>Viper- \$4,901.25 | \$4,441.75  | \$6,021.62 (Advanced<br>Adfinity x20d w/130ah<br>batt axp pad holder) | \$6,418.29  | NO BID                                     |
| ADDENDUM INCLUDED                                     | NO  | YES   | NO   | NO  | YES   | YES   | NO  |  |
| AFFIDAVIT COMPLETED                                   | YES   | YES   | YES  | YES   | YES   | YES   | YES   |  |
| COPY OF INSURANCE PROVIDED                            | YES   | YES   | YES  | NO  | YES   | YES   | YES   |  |
| COMMENTS:   | SEE ATTACHED<br>SHEETS FOR<br>ADDITIONAL<br>INFORMATION | (INCLUDES<br>TRAINING FOR THE<br>LIFE OF THE<br>MACHINE)<br><br>SEE ATTACHED<br>SHEETS FOR<br>ADDITIONAL<br>INFORMATION |  | SEE ATTACHED<br>SHEETS FOR<br>ADDITIONAL<br>INFORMATION         | SEE ATTACHED<br>SHEETS FOR<br>ADDITIONAL<br>INFORMATION | SEE ATTACHED<br>SHEETS FOR<br>ADDITIONAL<br>INFORMATION               | SEE ATTACHED<br>SHEETS FOR<br>ADDITIONAL<br>INFORMATION | NO BID                                     |



**JEFFERSON COUNTY**  
**DEPARTMENT OF ADMINISTRATIVE SERVICES**  
729 MAPLE ST / PO BOX 100  
HILLSBORO MO 63050  
WWW.JEFFCOMO.ORG

**Invitation for Bid: FLOOR SCRUBBER**

**Date Issued: 02-03-14**

**BIDS SHALL BE ACCEPTED UNTIL: MARCH 4, 2014, AT 2:00 P.M. LOCAL TIME.**

**Specification**  
**Contact:** **JASON JONAS**  
Department of Public Works  
636-797-5369

**Contract**  
**Contact:** **VICKIE PRATT**  
Department of Administrative Services  
636-797-5382

**Mail (3) Three  
Complete Copies  
With Vendor And  
Bid Information As  
Shown In Sample:**

**SAMPLE ENVELOPE**

*VENDOR NAME*

*VENDOR ADDRESS*

*CONTACT NUMBER*

**DEPARTMENT OF THE COUNTY CLERK**

**JEFFERSON COUNTY MISSOURI**

**729 MAPLE ST / PO BOX 100**

**HILLSBORO MO 63050-0100**

*SEALED BID: (BID NAME)*

**Contract Term:**  
**UPON APPROVAL OF THE  
COUNTY COUNCIL AND  
COUNTY EXECUTIVE**

**Vendor  
Information:**

The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. This Bid, if accepted, will constitute an Agreement and Contract with Jefferson County, Missouri, upon approval of the County Council and County Executive. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful Bidder. Price increases for renewals are not authorized unless approved in writing by the County.

Action Time USA, Inc.  
**Company Name**

Chris Arafles

**Authorized Agent (Print)**

125 West Country Club Drive  
**Address**

[Signature]  
**Signature**

Tampa, Florida 33612  
**City/State/Zip Code**

GSA Account Manager  
**Title**

813-402-0792  
**Telephone #**

02/19/2014  
**Date**

59-3436314  
**Tax ID #**

chrisroberts@actiontimeusa.com  
**E-mail**

727-234-0732

**Fax #**



**ACTION TIME USA, INC.**  
*Keeping America Clean*

125 West Country Club Drive, Tampa, FL 33612  
Office: (800) 617-0641 Fax: (727) 234-0732  
info@actiontimeusa.com www.actiontimeusa.com

**From: Action Time USA, Inc.**  
**BID : Floor Scrubber**  
**Due Date: March 4<sup>th</sup> 2014**  
**Attention: Vickie Pratt**

Hello,

Thank You for the opportunity to participate in this bid. The Bid includes Delivery and all the specifications outlined in the Bid Documents. We have included some additional information for your viewing. They are as follows:

1. This cover sheet
2. A Tri-Fold Brochure
3. A notarized affidavit stating we own no property in Jefferson County
4. A 2 page insurance document showing proof of liability and workmans comp.
5. A 2 Page E-Verify document
6. A 1 page capability statement.
7. 4 Pages of Government and Commercial References
8. A specification Document for the item Offered

Respectfully,  
Chris Arafiles





# Action Time USA, Inc.

www.actiontimeusa.com

## MISSION STATEMENT

We distinguish ourselves with an exceptional combination of Industry expertise and knowledge, gained through many years of experience. Our cleaning ability has created a winning combination of outstanding and completely guaranteed facility maintenance services.

## CORE COMPETENCIES

Our cleaning strategies are designed and managed to shift the cleaning burden from you to us.

- Complete First Class Janitorial Services and Supplies
- Complete Line of Green Cleaning Products
- Authorized Dealer for Tennant and Windsor Floor Cleaning Equipment
- Janitorial Equipment Repair
- Carpet and Upholstery Cleaning
- Tile and Grout Cleaning
- Concrete and Masonry Cleaning
- Window Washing and Power Washing

## PAST PERFORMANCE

- Veterans Administration
- U.S. Army
- U.S. Air Force
- National Park Service
- Wal-Mart Stores
- Public School System

## DIFFERENTIATORS

Not only do we offer high quality project management and maintenance services, but we also offer janitorial supplies.

- Fully vetted, experienced, and well-trained employees
- Insurance certified safety and training programs
- Quality control and quality assurance programs
- Qualified personnel, professional equipment and quality green cleaning products
- Reliable management and operations oversight
- Consistent performance-based processes
- Direct-line client relationship management

## ID/IQ CONTRACTS

- GSA Contract Holder #GS-07F-0561X
- TXMAS Contract #13-73060
- CMAS Contract #4-13-73-0025A
- Authorized Ability One Distributor



Schedule #73  
Contract GS-07F-0561X



TXMAS-13-73060

## AUTHORIZED DISTRIBUTOR FOR:



## COMPANY SNAPSHOT

SOCIO-ECONOMIC STATUS: Small Business

DUNS: 042394507

FEIN #: 59-3436314

CAGE: 57AC7

NAICS: 561720, 561740, 424690, 423850, 339994, 325612, 238340, 811310, 333318, 335210

Geographic Coverage: The Continental United States

Contact: Chris Roberts

E-mail: [chrisroberts@actiontimeusa.com](mailto:chrisroberts@actiontimeusa.com)

Phone: (813) 400-1477 ext. 313

Fax: (727) 234-0732

Address: 125 West Country Club Drive Tampa, FL 33612



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info@actiontimeusa.com www.actiontimeusa.com

## GOVERNMENT REFERENCES FOR FLOOR MACHINES

1. Veterans Administration  
Irma Ferro, Supervisory Contract Specialist  
NCO2 Supply Team, VISN 2 NCO (2-90)  
1304 Buckley Rd, Suite C102  
Syracuse, NY 13212  
Office (315) 425-4400 ext 53254  
Fax (315) 425-4883  
E-mail: [Irma.ferro@va.gov](mailto:Irma.ferro@va.gov)
  
2. NH Veterans Home  
Linda Laduke, Housekeeping Supervisor  
139 Winter Street  
Tilton, NH 03276  
Office (603) 527-4400  
E-mail: [linda.laduke@nhvh.nh.gov](mailto:linda.laduke@nhvh.nh.gov)
  
3. Veterans Administration  
Cassandra Dutton, Supervisory Purchasing Agent  
1400 Blackhorse Hill Road  
Coatesville, PA 19320  
Office (610) 384-7711 ext 3230  
Fax (610) 466-2236  
E-mail: [Cassandra.dutton@va.gov](mailto:Cassandra.dutton@va.gov)





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125 West Country Club Drive, Tampa, FL 33612  
Office: (800) 617-0641 Fax: (727) 234-0732  
info@actiontimeusa.com www.actiontimeusa.com

## References

Fort Bend ISD/PFC  
13500 Murphy Rd.  
Stafford, TX 77477

Contact: Don Johnson  
Ph: 281-634-5549  
Cell: 713-289-4871

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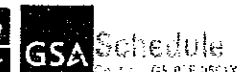
Douglas County School System  
9030 Highway 5  
Douglasville, GA 30134

Contact: Candy Ellis  
Email: [candy.ellis@douglass.k12.ga.us](mailto:candy.ellis@douglass.k12.ga.us)  
Phone: 770-651-2268

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Kenai Peninsula Borough School District  
139 East Park Avenue  
Soldotna, AK 99669

Contact: Bette Gilliland  
Email: [bgilliland@kpbsd.k12.ak.us](mailto:bgilliland@kpbsd.k12.ak.us)  
Phone: 907-714-8876





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125 West Country Club Drive, Tampa, FL 33612

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**REFERENCE SHEET**

1. Hernando County Schools, 352-797-7071 ext.430 Sean Arnold  
Company Telephone Number/Name of Contact Person  
8008 Mobley Road Brooksville, Florida 34601  
Address, City, State, Zip Code  
Floor Cleaning Equipment/Janitorial Supplies  
Scope of Work Completed
2. Seminole County Schools, 407-320-7468 Terry Carver  
Company Telephone Number/Name of Contact Person  
820 E. SR 434 Winter Springs, Florida 32708  
Address, City, State, Zip Code  
Floor Cleaning Equipment/ Janitorial Supplies  
Scope of Work Completed
3. Hillsborough County Schools, 813-635-1142 Joe Leavens  
Company Telephone Number/Name of Contact Person  
901 East Kennedy Blvd Tampa, Florida 34744  
Address, City, State, Zip Code  
Janitorial Supplies  
Scope of Work Completed
4. Sarasota County Schools, 941-316-8143 Louis Stoecklin  
Company Telephone Number/Name of Contact Person  
1960 Landings Blvd. Sarasota, Florida 34231  
Address, City, State, Zip Code  
Janitorial Supplies  
Scope of Work Completed
5. Wal-Mart Stores ( Georgia) 912-667-0547, Jay Di Lorenzo, District Manager  
Company Telephone Number/Name of Contact Person  
No exact store address, He has numerous stores as he is a District Manager  
Address, City, State, Zip Code  
Janitorial Services and Supplies  
Scope of Work Completed





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Office: (800) 617-0641 Fax: (727) 234-0732

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**REFERENCE SHEET**

1. Wal-Mart 5054, 904-641-8088, Cathy / Invoice Office  
Company Telephone Number/Name of Contact Person  
11900 Atlantic Blvd Jacksonville, Florida 32225  
Address, City, State, Zip Code  
Floor Cleaning Equipment/ Buffers  
Scope of Work Completed
2. Wal-Mart 2499, 407-605-4001, Sandy/Invoice Office  
Company Telephone Number/Name of Contact Person  
8801 Conroy Windermere Road Orlando, Florida 32835  
Address, City, State, Zip Code  
Floor Cleaning Equipment/ Buffers  
Scope of Work Completed
3. Wal-Mart 1960, 813-872-6992, Mary/Invoice Office  
Company Telephone Number/Name of Contact Person  
1505 N. Dale Mabry Highway Tampa, Florida 33607  
Address, City, State, Zip Code  
Floor Cleaning Equipment/ Buffers  
Scope of Work Completed
4. Wal-Mart # 1270, 808-279-0545, Joni/Invoice Office  
Company Telephone Number/Name of Contact Person  
1201 Knox Ave Augusta, South Carolina 29841  
Address, City, State, Zip Code  
Janitorial Services and Supplies  
Scope of Work Completed
5. TrilogyFM, 678-354-6726 Tom Ward  
Company Telephone Number/Name of Contact Person  
120 Interstate North Pkwy 304 Atlanta, Georgia 30339  
Address, City, State, Zip Code  
Floor Cleaning Equipment/ Carpet Cleaning Machines  
Scope of Work Completed



Schedule  
Contract GS 07F 0521



## Speed Scrub

### 17 & 20" disk specifications



| Scrubbing System                          |  |   |                                 |
|---|--|---|---------------------------------|
| Cleaning path (3 models available)        | 17 in / 430 mm<br>Pad Assist   | 20 in / 500 mm<br>Pad Assist                  | 20 in / 500 mm<br>Kobaxia Drive |
| Solution tank capacity                    |  | 10.5 gal / 40 L                               |                                 |
| Productivity (per hour)                   |  |   |                                 |
| Theoretical max                           | 20,230 ft² / 1,880 m²  | 23,800 ft² / 2,210 m²                         | 23,800 ft² / 2,210 m²           |
| Estimated actual* (conventional)          | 8,440 ft² / 785 m²   | 10,125 ft² / 940 m²                           | 10,125 ft² / 940 m²             |
| Estimated actual* (FaST®)                 | 11,250 ft² / 1,045 m²  | 13,500 ft² / 1,255 m²                         | 13,500 ft² / 1,255 m²           |
| Solution flow rates                       |  |   |                                 |
| Conventional (fully variable)             |  | 0 - 0.4 gpm / 0 - 1.5 lpm                     |                                 |
| FaST®                                     |  | 0.13 gpm / 0.50 lpm                           |                                 |
| Scrub motors                              |  | 1.0 hp / 0.746 kW                             |                                 |
| Scrub motor speed                         |  | 230 rpm                                       |                                 |
| Brush / pad down pressure                 |  | 50 & 90 lb / 23 & 41 kg                       |                                 |
| Recovery System                           |  |   |                                 |
| Recovery tank capacity                    |  | 15 gal / 57 L<br>(Includes demisting chamber) |                                 |
| Vacuum fan                                |  |   |                                 |
| Motor                                     |  | 0.5 hp / 0.370 kW                             |                                 |
| Stages                                    |  | 2-stage                                       |                                 |
| Water lift                                |  | 40 in / 1,020 mm                              |                                 |
| Propelling & Power System                 |  |   |                                 |
| Propel speed (variable to)                |  |   |                                 |
| Transport                                 | NA   | NA  | 2.3 mph / 3.7 km/h              |
| Scrubbing                                 | NA   | NA  | 2.4 mph / 3.8 km/h              |
| Batteries (24 V system, charger included) | (2) 12V, 105 AH  | (2) 12V, 130 AH                               | (2) 12V, 155 AH                 |
| Run time**                                | 2.5 hr   | 2.5 hr  | 3.0 hr                          |
| Gradeability (ramp climb)                 |  |   |                                 |
| Scrubbing / transporting (full)           | NA   | NA  | 3.0° / 3.0°                     |
| Trailer ramps (empty)                     | NA   | NA  | 0°                              |
| Speed control                             |  | Variable speed potentiometer                  |                                 |
| Dimensions / Weight / Sound level         |  |   |                                 |
| Length                                    | 48 in / 1,220 mm   | 50.25 in / 1,275 mm                           | 50.25 in / 1,275 mm             |
| Width                                     |  |   |                                 |
| Body                                      |  | 18 in / 460 mm                                |                                 |
| Scrub head                                | 20 in / 510 mm   | 21.5 in / 550 mm                              | 21.5 in / 550 mm                |
| Squeegee                                  |  | 30 in / 760 mm                                |                                 |
| Height                                    |  | 43 in / 1,090 mm                              |                                 |
| Net weight                                |  |   |                                 |
| Less batteries                            | 203 lb / 92 kg   | 205 lb / 93 kg                                | 216 lb / 98 kg                  |
| With batteries (2) 12V                    | 315 lb / 143 kg  | 340 lb / 154 kg                               | 366 lb / 166 kg                 |
| Minimum aisle turn:                       | 51.5 in / 1,310 mm   | 53 in / 1,350 mm                              | 53 in / 1,350 mm                |
| Sound level*** (operator's ear)           |  | 68.5 dBA                                      |                                 |
| Warranty                                  |  |   |                                 |
|   | 3-year/2,500 hrs on parts and labor (excluding batteries)<br>10-year on non-removably molded polyethylene tank |   |                                 |

\* Estimated coverage rates use the practical speed and empty/fill time standards from the 2004 ISSA Cleaning Times handbook.

\*\* Run times are based on Continuous Scrubbing Run Times.

\*\*\* Sound levels per ISO 11201 as recommended by the American Association of Cleaning Equipment Manufacturers & OSHA

Chris Roberts  
GSA Account Manager

800-617-0641 Toll Free  
813-400-1477 x313 Office  
727-282-2628 Cell  
727-234-0732 Fax

chrisroberts@actiontimeusa.com  
www.actiontimeusa.com



**Action Time USA, Inc.**

*Keeping America Clean*

**COMPANY SNAPSHOT**

**Authorized Ability One Distributor**

**Current ID/IQ Contracts**

GSA Contract Holder #GS-07F-0561X

TXMAS Contract #13-73060

CMAS Contract #4-13-73-0025A

**SOCIO-ECONOMIC STATUS:**

Small Business

**DUNS:**

042394507

**CAGE:**

57AC7

**FEI #:**

59-3436314

**NAICS:**

561720, 561740, 424690, 423850, 339994,  
325612, 238340, 811310, 333318, 335210

**GEOGRAPHIC COVERAGE:**

Continental United States

*Since 1997, Action Time USA, Inc.  
has been committed to providing high quality  
and cost effective project management services,  
along with excellent customer service,  
to clients throughout the United States.*

*Our staff works around the clock,  
24/7, to better serve you!*

**CONTACT US:**  
125 West Country Club Drive  
Tampa, FL 33612

Government Sales: (813) 402-0792  
Fax: (727) 234-0732

gsa.sales@actiontimeusa.com  
www.actiontimeusa.com

**ONE STOP  
JANITORIAL & SUPPLY  
COMPANY**

- ✓ *Environmentally Friendly*
- ✓ *Flexible Schedules*
- ✓ *Customized Plans and Professional Staff*



# WHO WE ARE

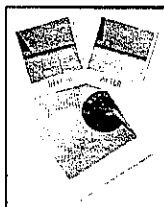
## Differentiators

### What Sets Action Time USA apart from the competition?

- Fully vetted, experienced, and well-trained employees
- Insurance certified safety and training programs
- Quality control and assurance programs
- Qualified personnel, professional equipment and quality green cleaning products
- Reliable management and operations oversight
- Consistent performance-based processes
- Direct-line client relationship management

## Past Performance

- Walmart Stores
- Veterans Administration
- United States Army
- United States Air Force
- The National Park Service
- The Public School System
- GSA Contract Holder #GS-07F-0561X
- TXMAS Contract #13-73060
- CMAS Contract #4-13-73-0025A



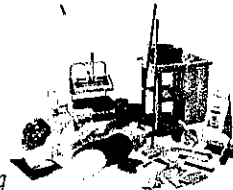
# WHAT WE OFFER

## Complete Janitorial Services

- Floor stripping, waxing and polishing
- Concrete cleaning and polishing
- Pressure washing and rust cleaning
- Carpet and upholstery cleaning
- Tile and grout restoration and cleaning
- Specialized restroom cleaning
- Window cleaning
- Graffiti removal
- Project management, consulting and training
- Floor cleaning equipment and repair services

## Full Line of Janitorial Supplies

- Chemicals
- Odor Control
- Skin Care
- Paper and dispensers
- Mops, brooms and brushes
- Floor and carpet care
- Facility maintenance supplies
- Waste receptacles
- Bags and can liners
- Storage and material handling



## Floor Cleaning Equipment

- Walk behind scrubbers
- Rider scrubbers
- Scrubber—sweepers
- Walk behind sweepers
- Rider sweepers
- Carpet extractors
- Burnishers and single disc machines
- Vacuums/all styles
- Specialty cleaning equipment

## Janitorial Experts for any Government Facility

- Medical and health care facilities
- Court houses
- Municipal facilities
- Military bases and installations
- Law enforcement facilities
- Parks and recreation
- Correctional facilities
- Government office buildings
- Warehouse and distribution centers



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**Mail (3) Three  
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*VENDOR NAME*

*VENDOR ADDRESS*

*CONTACT NUMBER*

**DEPARTMENT OF THE COUNTY CLERK**

**JEFFERSON COUNTY MISSOURI**

**729 MAPLE ST / PO BOX 100**

**HILLSBORO MO 63050-0100**

*SEALED BID: (BID NAME)*

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ALLTYPE VACUUM

Company Name

John Merriman

Authorized Agent (Print)

10678 TRENTON AVE

Address

John Merriman

Signature

ST. LOUIS MO 63130

City/State/Zip Code

SALES

Title

314-407-0634

Telephone #

2/10/14

Date

43-1468006

Tax ID #

John@All-TYPEVACUUM.COM

E-mail

314-407-0079

Fax #



**3A** MEMBER  
SINCE 1988

**John Merriman**  
Sales Consultant

P.O. Box 8488  
10678 Trenton Ave.  
St. Louis, Missouri 63132  
[www.all-typevacuum.com](http://www.all-typevacuum.com)

(314) 427-0634  
CELL (314) 303-4187  
FAX (314) 427-0079

**NOBLES**  
ENGINEERED BY TENNANT COMPANY

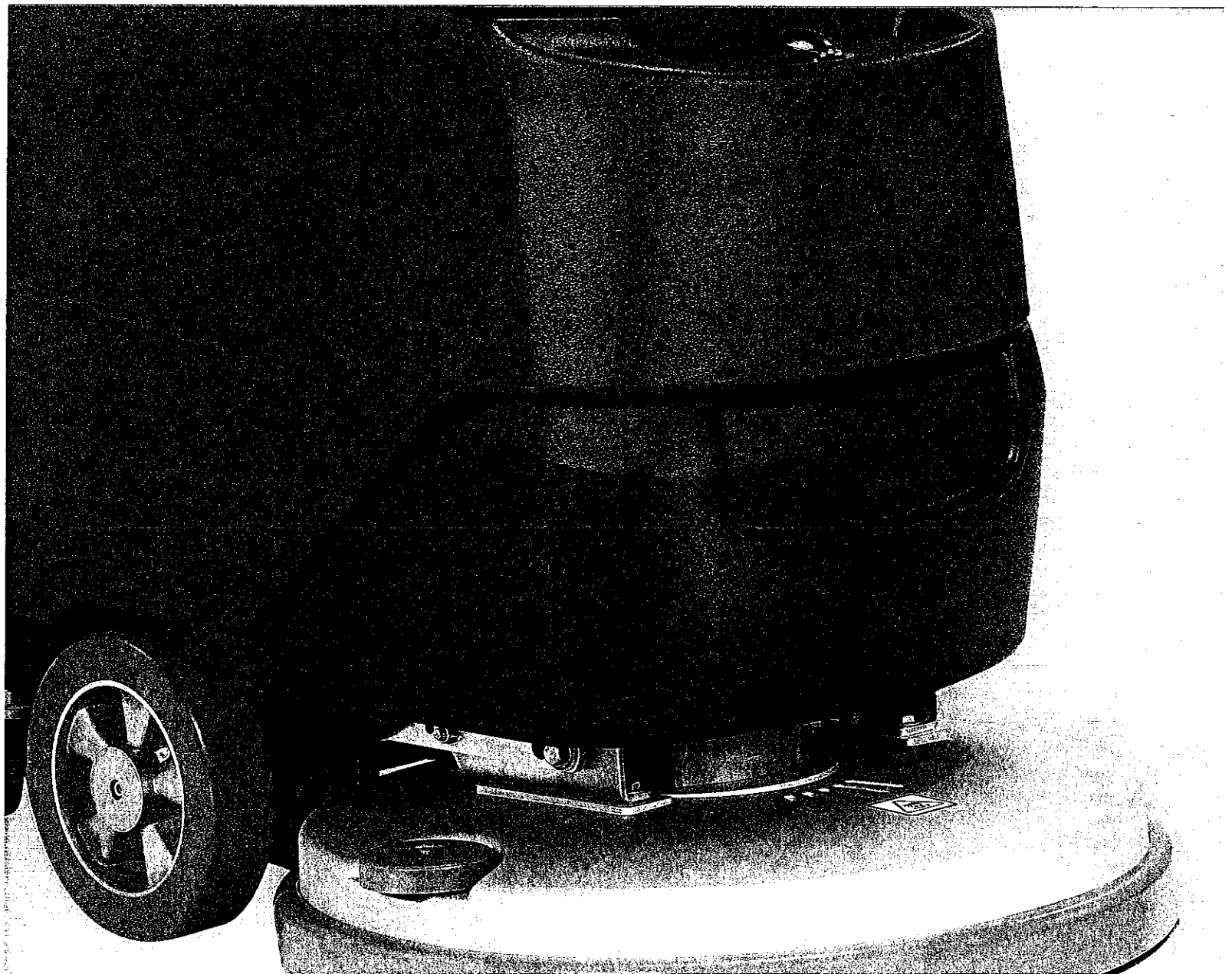
ES  
JB

ecH<sub>2</sub>O™  
an ORBIO Technology



**SPEED BORUB® 1720 inch**

Robust and dependable clean - even in the most noise-sensitive locations



# Reliable, effective cleaning results. Anytime. Every time.

## The Speed Scrub®

### It's rugged

- Non-corroding cast aluminum scrub decks and squeegee frames
- Tested to over 100,000 real-world vacuum cycles

### It performs

- Virtually 100% water recovery – even in 180-degree turns
- Top of the line results in any application, thanks to powerful scrub motor and exceptional down pressure
- Reduce water consumption with optional ec-H2O™ or FaST™ technologies
- Quiet 68.5 dBA noise level

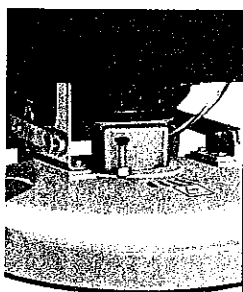
### It's easy

- Simple, familiar Quick-Train™ controls
- Easy, no-tool brush and squeegee replacement



## Five no-nonsense features

- 1. Powerful motor**  
Get a reliable clean from the 1.0 hp brush motor, which delivers vigorous 230 rpm agitation; especially when combined with up to 90 pounds of pad pressure.



- 2. Low noise level**  
The Speed Scrub can clean in the quietest places at 68.5 dBA.



- 3. On-board charger**  
No need to worry about where to charge the machine. Just find any 120 volt outlet, plug it in, and you're good to go.

Built to be **tough**. Made to be **easy**.

## EXCLUSIVE TECHNOLOGIES

(optional cleaning innovations)



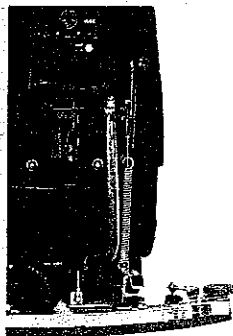
ec-H2O™ technology electrically converts water into an innovative cleaning solution that cleans effectively, saves money, improves safety, and reduces environmental impact compared to daily cleaning floor chemicals.



FaST® Foam Scrubbing Technology uses up to 70% less water and 90% less chemicals to improve floor traction as certified by NFSI, helping reduce the risk of slip and fall accidents.

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

- 4.** Quick and easy brush/squeegee replacement  
No tools are needed to replace brushes or blades, and operators can stop worrying and messing around with squeegee adjustments, it's factory set.



- 5.** Iron-clad warranty  
3 years/2500 hours on parts and labor (excluding batteries).  
10 years on tanks.



# NOBLES

ENGINEERED BY TENNANT COMPANY



**ec-H2O™ and FaST® technologies are NFSI (National Floor Safety Institute) Certified.** NFSI certified products must pass a 2-phase wet slip resistance process and have been shown to reduce the potential for slip-and-fall accidents.



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



**ec-H2O and FaST technologies may contribute to LEED or LEED-EBOM (Existing Building: Operations & Maintenance) points,** provided other appropriate criteria are met. For more information on obtaining LEED points, please contact your sales rep or refer to the USGBC website at: [www.usgbc.org](http://www.usgbc.org)



**FaST is a Green Seal (GS-37) Certified Detergent.** 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.



Conserve Resources



Reduce Detergents



Increase Safety



Improve Air Quality



Reduce Noise

## Specifications

|   | 17 in / 430 mm<br>Pad assist                           | 20 in / 500 mm<br>Pad assist               | 20 in / 500 mm<br>Transaxle drive |
|---|--|--|-----------------------------------|
| Cleaning path (3 models available)        |  |  |                                   |
| Solution tank capacity                    |  | 10.5 gal / 40 L                            |                                   |
| Productivity (per hour)                   |  |  |                                   |
| Theoretical max                           | 20,230 ft² / 1,880 m²                                  | 23,800 ft² / 2,210 m²                      | 23,800 ft² / 2,210 m²             |
| Estimated actual* (conventional)          | 8,440 ft² / 785 m²                                     | 10,125 ft² / 940 m²                        | 13,500 ft² / 1,250 m²             |
| Estimated actual* (ec-H2O™/FaST®)         | 11,250 ft² / 1,045 m²                                  | 13,500 ft² / 1,255 m²                      | 15,300 ft² / 1,420 m²             |
| Solution flow rates                       |  |  |                                   |
| Conventional (fully variable)             |  | 0-0.4 gpm / 0-1.5 lpm                      |                                   |
| ec-H2O™/FaST®                             |  | 0.13 gpm / 0.50 lpm                        |                                   |
| Scrub motors                              |  | 1.0 hp / 0.746 kW                          |                                   |
| Scrub motor speed                         |  | 230 rpm                                    |                                   |
| Brush/pad down pressure                   |  | 50 & 90 lb / 23 & 41 kg                    |                                   |
| Recovery tank capacity                    |  | 15 gal / 57 L (includes demisting chamber) |                                   |
| Vacuum fan                                |  |  |                                   |
| Motor                                     |  | 0.5 hp / 0.370 kW                          |                                   |
| Stages                                    |  | 2-stage                                    |                                   |
| Water lift                                |  | 40 in / 1,020 mm                           |                                   |
| Propel speed (variable to)                |  |  |                                   |
| Transport                                 | NA   | NA   | 2.6 mph / 4.2 km/h                |
| Scrubbing                                 | NA   | NA   | 2.4 mph / 3.9 km/h                |
| Batteries (24 V system, charger included) | (2) 12V, 105 AH  | (2) 12V, 130 AH                            | (2) 12V, 155 AH                   |
| Run time**                                | 2.5 hrs  | 2.5 hrs                                    | 3.0 hrs                           |
| Gradeability (ramp climb)                 |  |  |                                   |
| Scrubbing/transporting (full)             | NA   | NA   | 3.0° / 5.0°                       |
| Trailer ramps (empty)                     | NA   | NA   | 9°                                |
| Speed control                             |  | Variable speed potentiometer               |                                   |
| Product length                            | 48 in / 1,220 mm                                       | 50.25 in / 1,275 mm                        | 50.25 in / 1,275 mm               |
| Product width (body)                      |  | 18 in / 460 mm                             |                                   |
| Product width (scrub head)                | 20 in / 500 mm   | 21.5 in / 550 mm                           | 21.5 in / 550 mm                  |
| Product width (squeegee)                  |  | 30 in / 760 mm                             |                                   |
| Product height                            |  | 43 in / 1,090 mm                           |                                   |
| Product weight                            |  |  |                                   |
| Less batteries                            | 203 lb / 92 kg   | 205 lb / 93 kg                             | 216 lb / 98 kg                    |
| With batteries (2) 12V                    | 315 lb / 143 kg  | 340 lb / 154 kg                            | 386 lb / 175 kg                   |
| Minimum aisle turn                        | 51.5 in / 1,310 mm                                     | 53 in / 1,350 mm                           | 53 in / 1,350 mm                  |
| Sound level*** (operator's ear)           |  | 68.5 dBA                                   |                                   |
| Warranty                                  | See your local representative for warranty information |  |                                   |

## Nobles

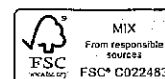
701 North Lilac Drive  
Minneapolis, MN 55422  
USA/Canada: +1.800.553.8033  
Quebec: +1.800.361.9050  
[www.nobles.com](http://www.nobles.com)  
[nobles@tennantco.com](mailto:nobles@tennantco.com)

\* Estimated coverage rates use the practical speed and empty/fill time standards from the 2004 ISSA Cleaning Times handbook.

\*\* Run times are based on Continuous Scrubbing Run Times.

\*\*\* Sound levels per ISO 11201 as recommended by the American Association of Cleaning Equipment Manufacturers & OSHA.

Specifications subject to change without notice.





**JEFFERSON COUNTY**  
**DEPARTMENT OF ADMINISTRATIVE SERVICES**  
 729 MAPLE ST / PO BOX 100  
 HILLSBORO MO 63050  
 WWW.JEFFCOMO.ORG

**Invitation for Bid: FLOOR SCRUBBER**

**Date Issued: 02-03-14**

**BIDS SHALL BE ACCEPTED UNTIL: MARCH 4, 2014, AT 2:00 P.M. LOCAL TIME.**

**Specification  
Contact:**

**JASON JONAS**  
 Department of Public Works  
 636-797-5369

**Contract  
Contact:**

**VICKIE PRATT**  
 Department of Administrative Services  
 636-797-5382

**Mail (3) Three  
Complete Copies  
With Vendor And  
Bid Information As  
Shown In Sample:**

**SAMPLE ENVELOPE**

VENDOR NAME

VENDOR ADDRESS

CONTACT NUMBER

DEPARTMENT OF THE COUNTY CLERK

JEFFERSON COUNTY MISSOURI

729 MAPLE ST / PO BOX 100

HILLSBORO MO 63050-0100

SEALED BID: (BID NAME)

**Contract Term:  
UPON APPROVAL OF THE  
COUNTY COUNCIL AND  
COUNTY EXECUTIVE**

The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. This Bid, if accepted, will constitute an Agreement and Contract with Jefferson County, Missouri, upon approval of the County Council and County Executive. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful Bidder. Price increases for renewals are not authorized unless approved in writing by the County.

**Vendor  
Information:**

Company Name

*Hillyard, Inc.*

Authorized Agent (Print)

*Brian Dean*

Address

*815 Fee Fee*

Signature

*[Signature]*

City/State/Zip Code

*Mayland Heights MO 63043*

Title

*District Rep*

Telephone #

*(314) 432-4600*

Date

*3/4/14*

Tax ID #

*44-0522196*

E-mail

*bdean@hillyard.com*

Fax #

*(800) 432-0945*

*[Signature]*



HILLYARD / ST. LOUIS  
815 FEE FEE ROAD  
MARYLAND HEIGHTS MO 63043-3268

Phone: 314 432 4600  
Fax: 314 432 0945

## Quotation

### Sold-to Party Address

JEFFERSON COUNTY  
DEPT OF ADMINISTRATIVE SERVICE  
PO BOX 100  
HILLSBORO MO 63050  
Customer Phone

[www.hillyard.com](http://www.hillyard.com)

### Information

Quotation No. 100274945

Valid from 02/25/2014 to 04/11/2014

Document Date 02/25/2014

Customer No. 304316

Customer P.O. SCRUBBER BID

Sales Rep BRIAN DEAN

Phone 800-726-1685

Extension

Ship By

Entered By: BRID

Page 1 of 1

### Quotation Details

| Item                             | Material Description                                     | Quantity | Unit Price | Amount    |
|----------------------------------|--|----------|------------|-----------|
| 0010                             | ADV317327<br>AUTOSCRUBBER ADVANCE ADFINITY 20D           | 1 EA     | 4,854.85   | 4,854.85  |
| 0020                             | WINSCC20TD1<br>SCRUBBER SABER 20 IN AUTO W/TRACTION DR   | 1 EA     | 6,154.94   | 6,154.94  |
| 0030                             | VIPFANG20HD195<br>SCRUBBER 20HD AUTO W/BATTERIES/CHARGER | 1 EA     | 4,901.25   | 4,901.25  |
| Gross Price                      |  |          |            | 15,911.04 |
| Applicable taxes may be applied. |  |          |            |           |

# Adfinity™ 20D / X20D / X20C / X24D

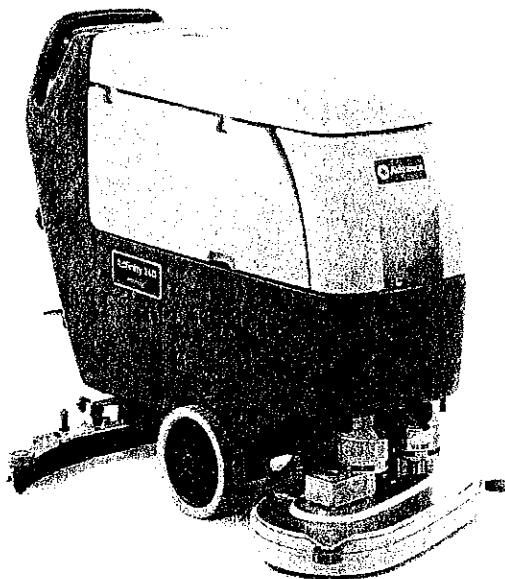
Available with EcoFlex™ System

Walk-Behind Scrubbers



## Advance

### FACT SHEET



#### Traction Drive For Increased Productivity.

The new line of Adfinity™ traction-drive scrubbers from Advance offers multiple versions to choose from for the scrubber size and performance you need. With scrub paths ranging from 20 to 24 inches wide, most of these high-feature models are available with an onboard detergent dispensing system, for the highest level of cleaning productivity.

If you're looking for a scrubber that offers the most efficient use of cleaning chemicals, an Adfinity model with EcoFlex™ is your answer. Advance's patented EcoFlex onboard detergent dispensing system eliminates guesswork by dispensing detergent at the manufacturer's recommended dilution ratio. Adfinity models with EcoFlex eliminate premixing of chemicals, which saves time and prevents detergent and water waste. Multiple pad pressure settings on select models help to maximize run time, yet still offer more pressure when cleaning highly-soiled areas. All Adfinity machines come standard with an onboard battery charger, allowing the flexibility to charge the machine at any available electrical outlet.

One-Touch™ operation makes the Adfinity line of scrubbers easy to learn and easy to use. Features not offered on other small disc scrubbers, include Advance's unique "click on" brushes for fast and easy changeovers. Adfinity drive models are equipped with forward and reverse traction drive and an ergonomic and safe paddle design for extra operator comfort. All Adfinity scrubber models are designed for easy access to the battery, detergent dispensing system, where applicable, and the recovery tank.

Adfinity scrubbers are a great addition to any green cleaning program. Operating at a sound level of only 65 dB A, this machine is well below the requirements for sound level set by LEED-EB and GS-42 – making Adfinity ideal for daytime cleaning in any facility. This line of scrubbers also features Smart Solutions™ flow rate, which is engineered to provide effective cleaning, and the longest run time (over 1.5 hours) on the floor between dump and refills. This saves water and costly chemicals, while increasing productivity. The Adfinity X20D and X24D disc models have received NFSI certification for reducing the possibility of slip-and-fall accidents.

#### STANDARD FEATURES INCLUDE

- Smart Solutions™ Flow Rate
- EcoFlex™ Onboard Detergent Dispensing System (X20D, X20C, X24D)
- Onboard Battery Charger
- Variable Pad Pressure
- Interchangeable Scrub Decks
- Tools-free removal of squeegee and squeegee blades

#### OPTIONAL ACCESSORIES INCLUDE

- Variety of Scrub Brushes
- 20 inch Disc Deck Kit
- Polyurethane Squeegee Blades
- 20 inch Cylindrical Deck Kit
- Integrated Solution Fill Hose
- 24 inch Disc Deck Kit
- Hour Meter Kit
- Wet Pick-up Wand Kit
- Scrub and Vac Kit

#### TYPICAL APPLICATIONS INCLUDE

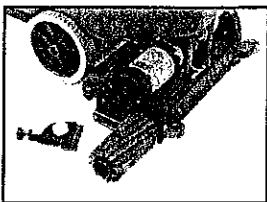
- Hospitals / Healthcare Facilities
- Schools and Universities
- Churches and Religious Facilities
- Hotels
- Commercial Cleaning
- Manufacturing Facilities
- Distribution / Warehouse
- Government Buildings and Installations
- Airports, Train Stations, Bus Depots
- Casinos
- Office Buildings
- Health Clubs

ecoflex™ system

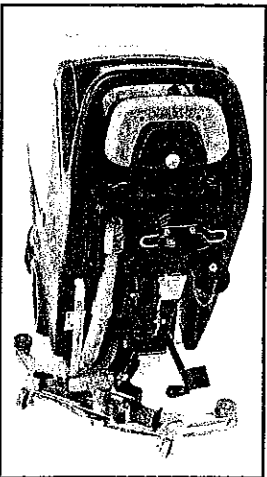
# Advance Adfinity™ Available with EcoFlex™ System Automatic Scrubbers



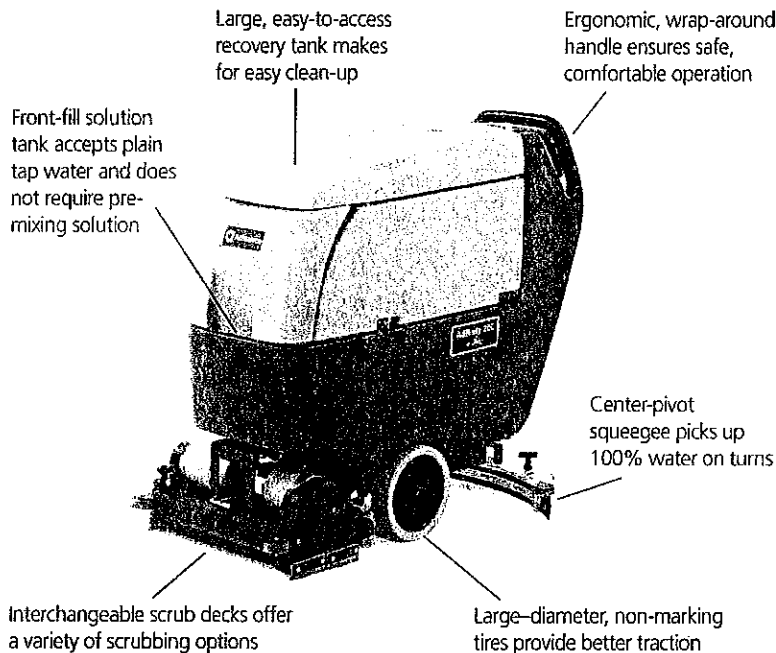
A wrap-around safe paddle system makes it easier to control and maneuver the machine.



Tools-free removable brushes can be easily changed.



Easy access rear-port features include the solution tank fill, a large recovery drain hose with pinch-flow regulation, and the solution drain hose which also functions as a solution level indicator.



## Defining Cleaning Innovation...

- Our products are designed using innovative technology that increases productivity and drives down the cost to clean.
- You can get expert service and maintenance for your Advance machines from factory-trained personnel around the world. Fast parts delivery, too.
- Maintain peak performance with Nilfisk Genuine OEM Parts.

**Nilfisk** Genuine OEM Parts

## Technical Specifications

| Models                                 | Adfinity™ 20D   | Adfinity™ X20D   | Adfinity™ X20C   | Adfinity™ X24D   |
|--|---|--|--|--|
| Scrub Head Type                        | Disc  | Disc   | Cylindrical with debris hopper                                 | Disc   |
| Deck Interchangeability                | All deck types interchangeable – ALL MODELS   |  |  |  |
| Scrub Path                             | 20 in (50.8 cm) pad holder standard; brushes available – 20D and X20D                                       |  | Dual 20 in (50.8 cm) cylindrical brush system                  | (2) 12 in (30.5 cm) pad holders standard; brushes available    |
| Drive System                           | 0.3 hp (200 W) variable forward and reverse<br>Max speed 3.5 mph (5.6 km/hr), 16% gradeability – ALL MODELS |  |  |  |
| Max Productivity @ 3.0 mph (4.8 km/hr) | 26,400 ft² (2,453 m²)   | 26,400 ft² (2,453 m²)  | 26,400 ft² (2,453 m²)  | 31,680 ft² (2,943 m²)  |
| Scrub Pressure (2 settings)            |   |  |  |  |
| Floating                               | 50 lb (25 kg)   | 50 lb (25 kg)  | 57 lb (26 kg)  | 61 lb (28 kg)  |
| Locked                                 | 70 lb (32 kg)   | 70 lb (32 kg)  | –  | –  |
| Scrub Head Speed                       | 170 rpm   | 170 rpm  | 570 rpm  | 230 rpm  |
| EcoFlex™ System Available              | NA  | Yes  | Yes  | Yes  |
| Solution Flow Rates                    |   |  |  |  |
| Smart Solutions™ variable up to        | 0.15 gal/min (0.55 L/min)<br>0.3 gal/min (1.1 L/min) – ALL MODELS   |  |  |  |
| Squeegee Width                         | 29.9 in (75.9 cm)   | 29.9 in (75.9 cm)  | 29.9 in (75.9 cm)  | 31.9 in (81.0 cm)  |
| Dimensions (w/o squeegee)              |   |  |  |  |
| L                                      | 52 in (132 cm)  | 52 in (132 cm)   | 49.2 in (125 cm)   | 51.6 in (131 cm)   |
| W                                      | 21.3 in (54 cm)   | 21.3 in (54 cm)  | 22.4 in (57 cm)  | 25.6 in (65 cm)  |
| H                                      | 42.9 in (109 cm)  | 42.9 in (109 cm)   | 42.9 in (109 cm)   | 42.9 in (109 cm)   |
| Weights                                |   |  |  |  |
| Without batteries                      | 240 lb (109 kg)   | 244 lb (111 kg)  | 247 lb (112 kg)  | 243 lb (110 kg)  |
| With batteries                         | 346 lb (157 kg)   | 350 lb (159 kg)  | 362 lb (164 kg)  | 374 lb (170 kg)  |
| Voltage                                | 24 V – ALL MODELS   |  |  |  |
| Power Source                           | (2) 12 V batteries (wet-acid and maintenance free available) – ALL MODELS                                   |  |  |  |
| Onboard Battery Charger                | 24 V wet/maintenance free compatible – ALL MODELS   |  |  |  |
| Solution Tank                          | 14.5 gal (55 L) – ALL MODELS  |  |  |  |
| Recovery Tank                          | 14.5 gal (55 L) – ALL MODELS  |  |  |  |
| Scrub Motor(s)                         | 0.65 hp (480 W)   | 0.65 hp (480 W)  | (2) 0.54 hp (400 W)  | (2) 0.47 hp (350 W)  |
| Vacuum Motor                           | 0.44 hp (330 W) – ALL MODELS  |  |  |  |
| Sound Level                            | 65.8 dB A at operator's position – ALL MODELS   |  |  |  |
| Approvals                              | ETL, CSA, CE – ALL MODELS   |  |  |  |
| Certification                          | –   | NFSI   | –  | NFSI   |
| Part Number                            | 56317327 w/130 Ah wet-acid batt.<br>56317328 w/98 Ah gel batt.  | 56317329 w/130 Ah wet-acid batt.<br>56317330 w/98 Ah gel batt. | 56317331 w/130 Ah wet-acid batt.<br>56317332 w/98 Ah gel batt. | 56317333 w/130 Ah wet-acid batt.<br>56317334 w/98 Ah gel batt. |

Specifications are subject to change without notice.



# Advance

14600 21st Avenue North  
Plymouth, MN 55447-3408  
www.advance-us.com  
Phone: 800-850-5559  
Fax: 800-989-6566

240 Superior Boulevard  
Mississauga, Ontario, Canada L5T 2L2  
www.nilfisk-advance.com  
Phone: 905-564-1149 or 800-688-8400  
Fax: 905-564-1030 or 800-263-5111



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# Saber™ Compact 20

20 Inch Automatic Scrubbers

***Durable construction gives you the dependability you need***

- Rugged machine construction ensures years of maximum performance
- Saber's ergonomic handle and simple controls make operation easy and increases productivity
- Saber Compact 20 scrubbers are available with brush/pad assist drive or traction drive
- Large solution and recovery tanks increase productive cleaning time
- Saber Compact reduces service down-time with its wide open accessibility and reduced parts design



**WINDSOR®**

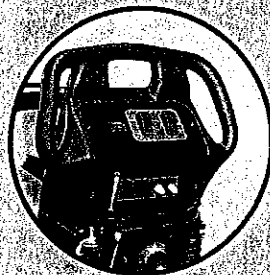
a Castle Rock Industries company

**INNOVATIVE EQUIPMENT SOLUTIONS**

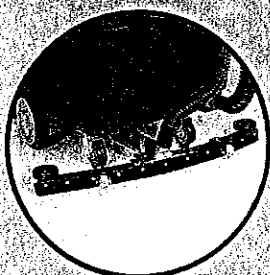
## Performance Features



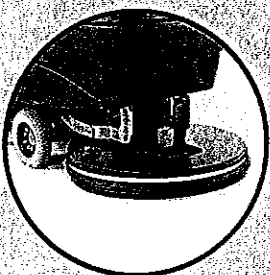
- Saber's wide-open accessibility reduces service down-time.



- Ergonomic handle and simple controls increase operator productivity.



- Saber Compact's squeegee is easy to use and leaves the floor safe and dry.



- Front-mounted brush or pad driver cleans in corners and in other hard to reach areas.

## Technical Specifications

|                                |   |   |
|--------------------------------|---|---|
| Model Number:                  | SC20  | SC20T/SCX20T  |
| Brushes/Pads:                  | 20" (51 cm) diameter  | Same  |
| Brush Motor:                   | 0.75 hp (550 watts)   | Same  |
| Brush/Pad Speed:               | 200 rpm   | Same  |
| Vacuum Motor:                  | One, 3-stage, 590 watts, 0.75 hp, 21 amps, 68" (173 cm) sealed waterlift, 69 cfm, circuit breaker protected with float shut-off | Same  |
| Drive System:                  | Brush/pad assist  | 0.4 hp (300 watts) transaxle  |
| Operating Speed:               | n/a   | 0-240" (0-73 m) per min.  |
| Solution Feed System:          | Gravity feed, variable  | Gravity feed, variable, with automatic shut-off in neutral                                  |
| Down Pressure:                 | 55 lbs. (24.8 kg) floating  | 50 lbs. (22.7 kg) floating, 90 lbs. (40.8 kg) locked  |
| Solution Tank:                 | 14 gallon (53 liters), polyethylene   | Same  |
| Recovery Tank:                 | 16 gallon (60.5 liters), polyethylene   | Same  |
| Electrical System:             | 24 volts, Two 12v 105 A/H, 130 A/H or 195 A/H batteries, Chargers available   | Same  |
| Tires:                         | 2 x 8" (20 cm) solid wheels<br>2 x 3.5" (9 cm) urethane casters   | 2 x 8" (20 cm) foam-filled drive wheels<br>2 x 3.5" (9 cm) urethane casters                 |
| Handle:                        | Ergonomic Grip Handle   | Ergonomic Grip Handle with propel buttons at fingertips                                     |
| Dimensions:                    |   |   |
| Length                         | 53" (135 cm)  | Same  |
| Width                          | 22" (56 cm)   | Same  |
| Height                         | 43" (109 cm)  | Same  |
| Squeegee:                      | 30.5" (77 cm) curved gum rubber squeegee  | SC20T-Same<br>SCX20T-33.5" (85 cm) Deluxe curved gum rubber squeegee with adjustment system |
| Weight:<br>(without batteries) | 210 lbs. (95 kg)  | 230 lbs. (104 kg)   |

Specifications are subject to change without notice.

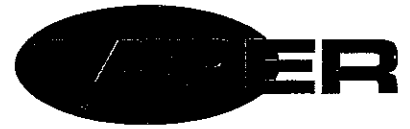
Windsor Industries manufactures a full line of innovative floor maintenance equipment including:

- Carpet Extractors & Chemicals
- Vacuum Products
- Floor Scrubbers and Sweepers
- Floor Machines and Burnishers



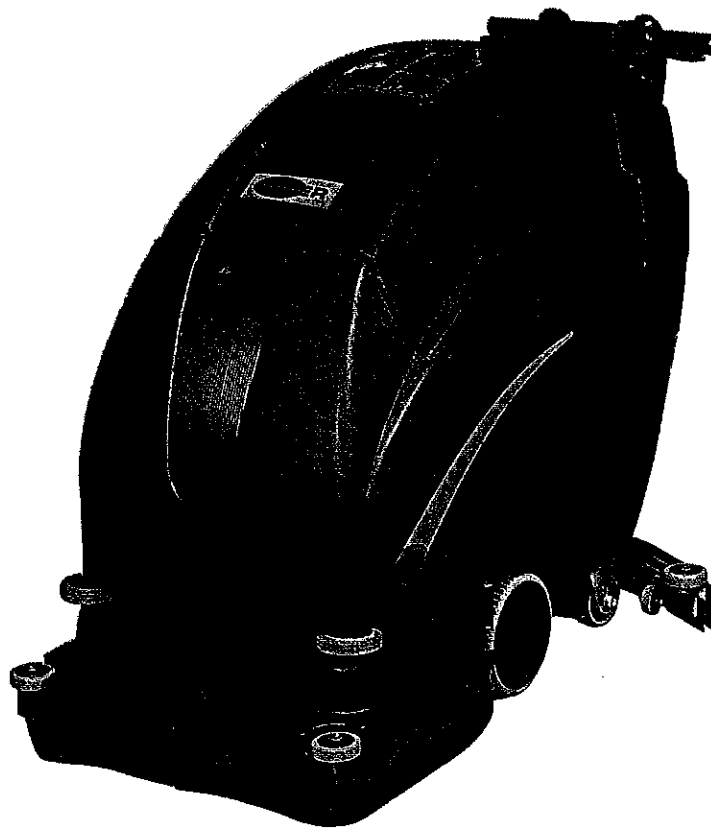
a Castle Rock Industries company

1351 W. Stanford Ave.  
Englewood, CO 80110 USA  
www.windsorind.com  
800-444-7654



# **FANG20HD<sup>TM</sup>**

**20-INCH AUTOMATIC SCRUBBER**



*Business Is Fun Again!*



**VIPER...exceptional value**



## FANG™ 20-INCH AUTOMATIC SCRUBBER

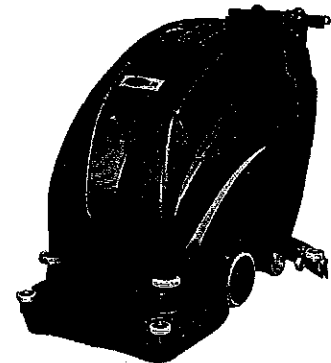
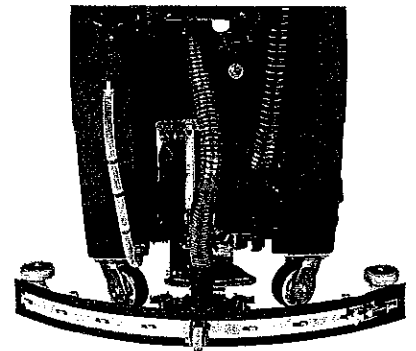
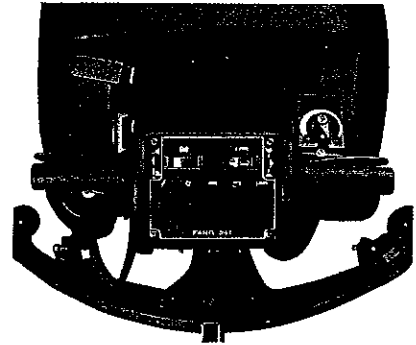
MODEL FANG20HD

### Standard Features

- Variable speed transaxle drive
- Forward and reverse drive
- Simple, easy-to-use controls
- Heavy duty, cast aluminum squeegee assembly
- Rotationally-molded housing
- Extra set of squeegee blades on-board
- Variable pad pressure up to 200 lbs

### Technical Specifications

|                         |                     |
|-------------------------|---------------------|
| Solution Tank:          | 16 gal (61 ltr)     |
| Recovery Tank:          | 16 gal (61 ltr)     |
| Cleaning Path:          | 20" (50.8 cm)       |
| Pad Diameter:           | 20" (50.8 cm)       |
| Pad Pressure:           | Up to 200 lbs       |
| Squeegee Width:         | 28" (71.2 cm)       |
| Speed Control:          | Variable Fwd/Rev    |
| Cleaning Speed (max):   | 21,600 sq'/hr       |
| Drive System:           | 1/3 hp Transaxle    |
| Brush Motor:            | 3/4 hp, 200 rpm     |
| Vacuum Motor:           | 3-stage             |
| Waterlift:              | 67.7" (172 cm)      |
| Batteries:              | 2-12V / 215 amp.hr. |
| Run Time Per Charge:    | Approx 5 hrs        |
| Weight (w/o batteries): | 209 lbs (95 kg)     |
| Dimensions:             |                     |
| Length:                 | 56.7" (144 cm)      |
| Width:                  | 22.0" (56 cm)       |
| Height:                 | 39.0" (99 cm)       |



### VIPER NORTH AMERICA

P.O. BOX 104  
HAMILTON, MI 49419

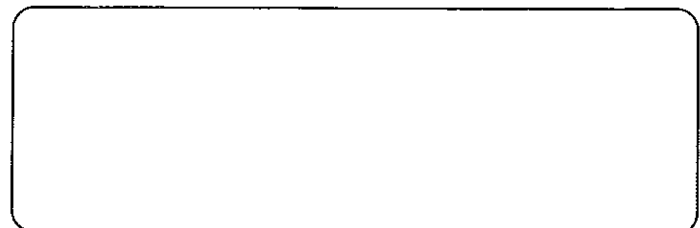
#### Accounting:

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(866)418-4737 (866-41-VIPER) toll free  
(269)751-2605 fax  
E-mail:slubbers@fnwusers.com

#### Sales:

(616)928-1402 phone  
(866)428-4737 (866-4A-VIPER) toll free  
Web site:www.usvipер.com

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JEFFERSON COUNTY  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
729 MAPLE ST / PO BOX 100  
HILLSBORO MO 63050  
WWW.JEFFCOMO.ORG

Invitation for Bid: **FLOOR SCRUBBER**

Date Issued: **02-03-14**

BIDS SHALL BE ACCEPTED UNTIL: **MARCH 4, 2014**, AT 2:00 P.M. LOCAL TIME.

Specification

Contact:

JASON JONAS  
Department of Public Works  
636-797-5369

Contract

Contact:

VICKIE PRATT  
Department of Administrative Services  
636-797-5382

Mail (3) Three  
Complete Copies  
With Vendor And  
Bid Information As  
Shown In Sample:

SAMPLE ENVELOPE

VENDOR NAME

VENDOR ADDRESS

CONTACT NUMBER

DEPARTMENT OF THE COUNTY CLERK

JEFFERSON COUNTY MISSOURI

729 MAPLE ST / PO BOX 100

HILLSBORO MO 63050-0100

SEALED BID: (BID NAME)

Contract Term:  
UPON APPROVAL OF THE  
COUNTY COUNCIL AND  
COUNTY EXECUTIVE

Vendor  
Information:

The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. This Bid, if accepted, will constitute an Agreement and Contract with Jefferson County, Missouri, upon approval of the County Council and County Executive. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful Bidder. Price increases for renewals are not authorized unless approved in writing by the County.

HP Products

Company Name

4220 Saguaro Trail

Address

Indianapolis, IN 46268

City/State/Zip Code

800-457-0916

Telephone #

bids@hproducts.com

E-mail

Megan Tackett

Authorized Agent (Print)

*Megan Tackett*

Signature

Bid Coordinator

Title

2-27-2014

Date

35-1116846

Tax ID #

317-216-3440

Fax #



# STATE OF INDIANA

Michael R. Pence, Governor

DEPARTMENT OF ADMINISTRATION  
Minority and Women's Business Enterprises Division

Indiana Government Center South  
402 West Washington Street, Room W478  
Indianapolis, IN 46204  
(317) 232 - 3061

January 31, 2014

Mrs. Bridget Shuel-Walker  
HP Products Corporation  
4220 Saguaro Trail  
Indianapolis, Indiana 46268

Subject: Application for WBE certification

Dear Mrs. Bridget Shuel-Walker,

**Congratulations!** The Indiana Department of Administration, Minority and Women's Business Enterprises Division is pleased to inform you that HP Products Corporation is hereby certified as a Women Business Enterprise (WBE).

Your company provides a commercially useful function in the areas listed below. Only work performed in these areas will be counted towards Women Business participation:

| UNSPSC CODE(S) |                                   |
|----------------|-----------------------------------|
| Code           | Description                       |
| 47000000       | Cleaning Equipment and Supplies   |
| 23181801       | Coffee Brewing Equipment/Supplies |
| 24121500       | Packaging Boxes/Bags/Pouches      |
| 42132105       | Hospital Bed Sheets               |
| 50201700       | Coffee & Tea                      |
| 52121701       | Bath Towels                       |
| 46181500       | Safety apparel                    |
| 14111700       | Personal paper products           |
| 39101600       | Lamps and lightbulbs              |
| 24141600       | Cushioning supplies               |

This certification is valid through February 28, 2017.

Although your certification is valid for a three-year period, you are required to submit an annual Affidavit of Continued Eligibility (ACE) form, located at [http://www.in.gov/idoa/files/ACE\\_Form.pdf](http://www.in.gov/idoa/files/ACE_Form.pdf). Please remember you must notify us immediately if any changes occur. Failure to notify us of changes or to provide the ACE form annually will result in revocation of your certification. Changes include, but are not limited to, changes in location, contact information, ownership or control.

We encourage you to visit IDOA's procurement website, <http://www.in.gov/idoa/2463.htm>, and update your Business Registration Profile. It is important that you review and update your profile regularly, because state purchasing agents and prime contractors may use this information to contact you for business opportunities. For questions regarding your registration profile, you may contact our office at 317-232-3061.

While this letter serves as notification of certification, it does not serve to prove continued eligibility. Please visit <http://www.in.gov/idoa/minority/Certifications.xls> to verify certification status. Please contact our office at (317) 232-3061 if you have any other questions.

We ask that you please contact Luther Taylor, Deputy Director of Certification and Operations, at (317) 234-3424 or [ltaylor@idoa.in.gov](mailto:ltaylor@idoa.in.gov) if you have any questions or concerns about your letter.

Sincerely,

A handwritten signature in cursive script, appearing to read "Terrie F. Daniel".

Terrie F. Daniel, Deputy Commissioner  
Indiana Department of Administration  
Minority and Women's Business Enterprises Division

TFD/JKW/NIW

**HP Products Corporation**  
*Excellence In Distribution*

P.O. Box 68310  
4220 Saguaro Trail \* Indianapolis, Indiana 46268-4819  
Telephone (317) 298-9950 \* Facsimile (317) 293-0459  
[www.hpproducts.com](http://www.hpproducts.com)

March 15, 2013

Dear Valued Customer:

Effective April 15, 2013, HP Products will implement a credit card processing fee of 3% on the total invoice for customers paying via credit card. The fee will be itemized as a separate line item.

This surcharge is new (January 27, 2013), and under the parameters for this surcharge, we are making adjustments within our computer system so details will be operational come April 15. For those customers who order online and use credit cards, we will implement a "pop-up message" to notify them that a processing fee will be applied when paying via credit card. For those customers who pay their account balances via credit card, this fee will also apply at time of payment.

This letter will serve as the official notification for this new processing fee. Please contact your system consultant with any questions or contact our Customer Service Department, 800-382-5326.

Thank you for your business and continued support of HP Products.

Sincerely,



Bridget Shuel-Walker  
President and Chief Executive Office

/psh



hereby grants

# National Women's Business Enterprise Certification

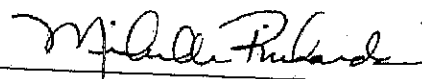
to

## HP Products Corporation

who has successfully met WBENC's standards as a Women's Business Enterprise (WBE).  
This certification affirms the business is woman-owned, operated and controlled; and is valid through the date herein.

WBENC National WBE Certification was processed and validated by Women's Business Enterprise Council – Great Lakes, a WBENC Regional Partner Organization.

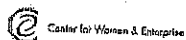
Expiration Date: 05/27/2014  
WBENC National Certificate Number: 2005110533

  
Authorized by Michelle Richards, President,  
Women's Business Enterprise Council – Great Lakes



NAICS Codes: 561720, 423850, 423840, 423220, 424490

UNSPSC Codes: 47120000, 23181801, 14121500, 24121500, 42132105, 42132100, 46000000, 47110000, 47130000, 50201700, 52121701



# ADVANCE COMMERCIAL U.S. AND CANADA LIMITED WARRANTY

Nilfisk-Advance, Inc. warrants to the original end user, each new machine, new accessory and genuine replacement parts against defects in material and workmanship under normal use and service. Our obligation under this warranty is limited to repair or replacement of the defective item at our factory or by an Authorized Service Center. Warranty coverage shall begin on the date of purchase by the original end user (as evidenced by your invoice from the factory or Authorized Dealer) or six (6) months from the date the machine was shipped from the factory, whichever is earlier. The start date of the warranty coverage on rider equipment is the date of purchase by the original end user, or one year from the date the machine was shipped from the factory, whichever is earlier. The warranty registration card should be completed and returned within 30 days of purchase. The warranty coverage period is specified below.

| GROUP  | Parts <sup>1</sup>          | Labor <sup>2</sup> | Travel <sup>3,4</sup> |
|--|-----------------------------|--------------------|-----------------------|
| All Battery Riders (Except Terra 4300B)          | 3 years                     | 2 years            | 180 days              |
| Terra 4300B                                      | 2 years                     | 6 months           | 180 days              |
| SelectSweep                                      | 1 year                      | 1 year             | none                  |
| All Battery Walk-Behinds                         | 3 years                     | 2 years            | 180 days              |
| Cord Automatic Scrubbers                         | 3 years                     | 2 years            | 180 days              |
| Floor Machines                                   | 3 years                     | 2 years            | 180 days              |
| Cord Burnishers                                  | 3 years                     | 2 years            | 180 days              |
| Cord Carpet Extractors                           | 3 years                     | 2 years            | 180 days              |
| Large-Area Vacs                                  | 3 years                     | 2 years            | 180 days              |
| Canister Vacs (including BackVacs)               | 3 years                     | 2 years            | 180 days              |
| UZ 964, UZ 934                                   | 3 years                     | 2 years            | 180 days              |
| Wet/Dry Vacs & All-Purpose                       | 1 year                      | 1 year             | none                  |
| Single-Motor (enclosed bag) Vacs                 | 3 years                     | 2 years            | 180 days              |
| Spectrum Vacs (single & dual motor) <sup>5</sup> | 1 year                      | 1 year             | 180 days              |
| Dual-Motor Vacs                                  | 1 year                      | 1 year             | none                  |
| Propane Burnishers (Internal Combustion)         | 2 years                     | 1 year             | 180 days              |
| PBU 21 & 27 (Propane Burnishers)                 | 1 year                      | 1 year             | 180 days              |
| Pressure Washers                                 | 2 year                      | 2 year             | none                  |
| Single-Motor (exposed bag) Vacs                  | 1 year                      | 1 year             | 180 days              |
| Carpet Dryers                                    | 1 year                      | 1 year             | none                  |
| Accessories/Replacement Parts <sup>6</sup>       | 3 years                     | 2 years            | 180 days              |
| <b>EXCEPTIONS</b>                                | 90 days                     | none               | none                  |
| Roto-mold Components                             | 8 years                     | See Note 5         | See Note 5            |
| Vacuum motors and rectifiers                     | 1 year                      | 1 year             | none                  |
| Batteries  | As offered by manufacturer. |                    |                       |
| Internal Combustion Engines                      | As offered by manufacturer. |                    |                       |
| External Battery Chargers                        | As offered by manufacturer. |                    |                       |

**NOTES:**  
1-Parts repaired or replaced are guaranteed for the remainder of the original machine warranty period.  
2-Coverage only applicable to products sold and used in the United States and Canada.  
3-Travel warranty coverage limited to 3 hours of round trip travel time to remedy a defective product or part.  
4-Applies to replacement parts only after machine warranty coverage has expired.  
5-Follows warranty offered on original machine.  
6-Except on belts & motors which are 2 yr parts & labor

This warranty shall not apply to repairs resulting from accidents or misuse, damage in transit, overloading the capacity of the machine, failure due to lack of proper maintenance or care as described in the operating and maintenance instructions. Minor adjustments, such as tightening of screws or bolts not connected with the replacement of parts, are not covered. Replacement of expendable wear items such as scrub brushes, pad holders, carbon motor brushes, bulbs, bags, filters and various rubber/plastic parts are also not covered. Repairs or alterations by an organization other than the factory or an Authorized Service Center are not covered and will void any Nilfisk-Advance, Inc. warranty as to the parts or systems repaired or altered by a non-authorized organization.

**THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION OF THE LIMITED WARRANTIES STATED WITHIN. NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS MADE EXCEPT AS EXPRESSLY STATED HEREIN. ANY STATUTORY IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, THAT ARE IMPOSED BY LAW DESPITE THE EXPRESS LIMITATION OR WARRANTIES ABOVE, ARE EXPRESSLY LIMITED TO THE DURATION OF THE WRITTEN WARRANTY. BUYER UNDERSTANDS, ACKNOWLEDGES AND AGREES THAT THE REMEDIES PROVIDED UNDER THIS LIMITED WARRANTY ARE THE SOLE AND EXCLUSIVE REMEDIES AVAILABLE TO THE BUYER. NILFISK-ADVANCE, INC. WILL NOT BE LIABLE FOR ANY OTHER OR ADDITIONAL DAMAGES, INCLUDING BUT NOT LIMITED TO INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE FURNISHING, PERFORMANCE, USE OF OR INABILITY TO USE THE MACHINE. ANY EXTENSIONS OF OR MODIFICATIONS MADE TO THIS WARRANTY BY A DEALER/DISTRIBUTOR OF NILFISK-ADVANCE, INC. ARE THE SOLE RESPONSIBILITY OF THE DEALER/DISTRIBUTOR.**

All transportation or shipping charges resulting from the return of machines, parts, or accessories shall be the responsibility of the end-user. When returning, please provide an explanation of the problem and include the serial number of the machine as well as the name of the selling organization. The Technical Service department of the authorized Dealer Service Center or the factory will investigate and then contact you.

Transportation of hazardous waste or contaminated equipment is subject to various laws and regulations. In returning machines, parts, or accessories under this limited warranty, the end user must certify in writing that the machines, parts or accessories being returned have not been used for handling, clean up, or disposal of hazardous waste or hazardous materials including but not limited to such things as asbestos, anthrax etc. or if the machines, parts or accessories being returned have been used for handling, clean up, or disposal of hazardous waste or hazardous materials, then the end user must have the machines, parts or accessories decontaminated by licensed and qualified decontamination professionals and provide written certification of this decontamination signed by the Warranty service along with decontamination certification.

NILFISK-ADVANCE, INC. Reserves the right to change its warranty policy without notice.



**Advance**

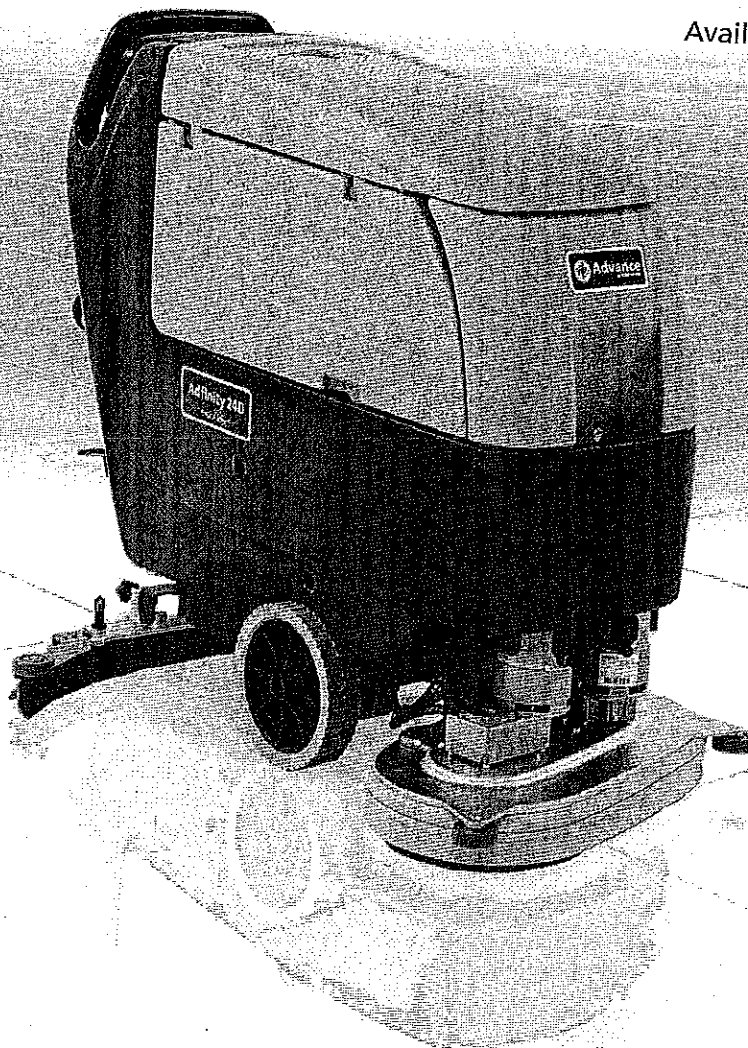
14600 21<sup>st</sup> Avenue North  
Plymouth, MN 55447-3408  
www.advance-us.com  
uswarranty@nilfisk-advance.com  
Phone: 800-989-2235  
Fax: 800-989-6566

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Form L1261A 12-09

# Adfinity™ 20D/X20D/X20C/X24D

Walk-Behind Scrubbers

Available with **ecoflex™** system



Smart cleaning.

A Nilfisk-Advance Brand

 **Advance**

# Adfinity™ available with EcoFlex™ System

## Walk-Behind Scrubbers



### Flexible cleaning on a compact platform.

The Advance Adfinity™ with EcoFlex™ System is the mid-sized scrubber that could. An easy-to-maneuver platform, interchangeable scrub decks and traction-drive operation let the Adfinity keep up with bigger machines and make it a crafty solution for cleaning hard floors. Get even more versatility with the Adfinity's EcoFlex System option, which offers One-Touch™, flexible scrubbing modes to take on any cleaning challenge.

### Ideal applications include:

- Routine scrubbing
- Ultra-light to heavy scrubbing
- Entryway cleaning
- Spill cleanup
- Grease removal
- Grout and porous-surface cleaning
- Detergent residue removal (using water only)

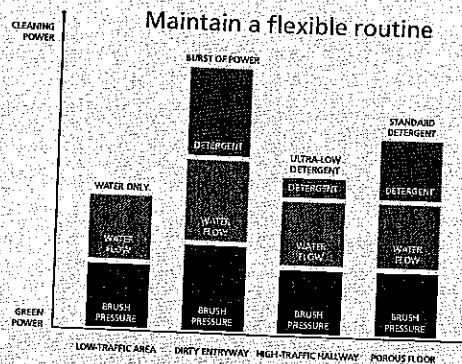
## ecoflex™ system

### Green

EcoFlex elevates green cleaning to a new standard – one that promotes good health and hygiene in addition to environmental sustainability. Efficient operation reduces all of the environmental impacts in cleaning—from the obvious (water, detergent) to the not-so-obvious (machine run-time and energy use).

### Clean

Maintaining a clean, healthy indoor environment for you and the people in your building is hassle-free with EcoFlex. Detergent use, pad pressure and flow rate are right at your fingertips. Operators won't have to hesitate to make adjustments for higher sanitary standards, different surface types or unexpected cleaning challenges.



### Cost-efficient

Flexibility means doing more with one machine. You'll save time, use fewer machines, and reduce water and detergent costs. Today's increasing demands for cost efficiency are tough to meet. Now you can do more with less.

Ergonomic, wrap-around handle ensures safe, comfortable operation

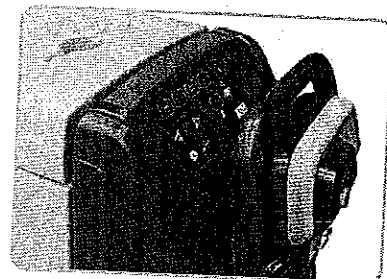
Large, easy-to-access recovery tank makes for easy clean-up

Front-fill solution tank accepts plain tap water and does not require pre-mixing solution

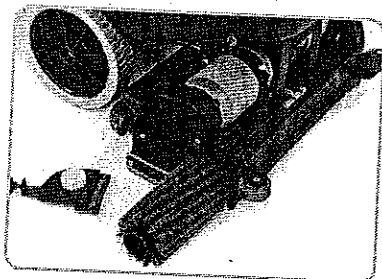
Center-pivot squeegee picks up 100% water on turns

Large-diameter, non-marking tires provide better traction

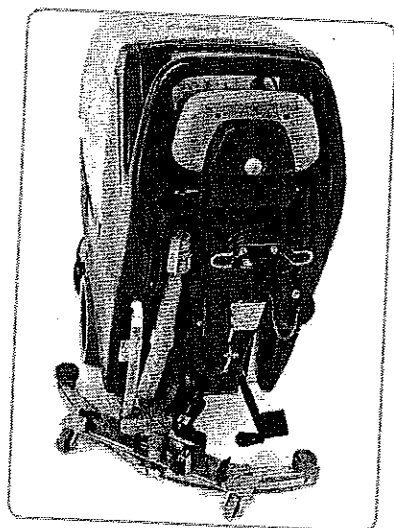
Interchangeable scrub decks offer a variety of scrubbing options



A wrap-around safe paddle system makes it easier to control and maneuver the machine.

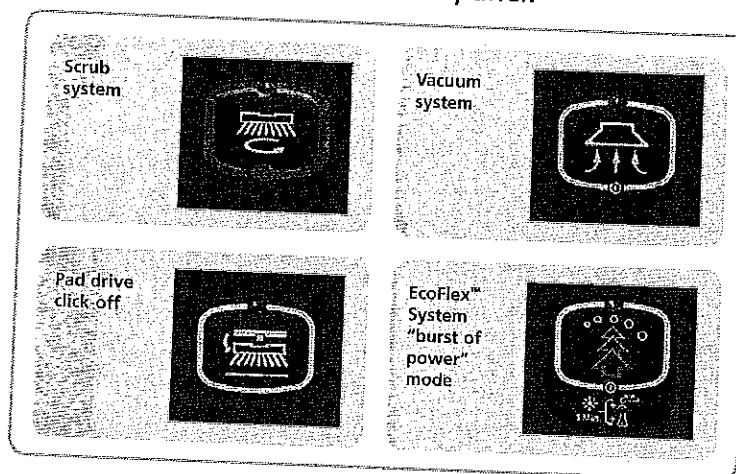


Tools-free removable brushes can be easily changed.



Easy access rear-port features include the solution tank fill, a large recovery drain hose with pinch-flow regulation, and the solution drain hose which also functions as a solution level indicator.

Easy-to-use, One-Touch™ control panel:



 **Advance**

## Technical Specifications

| Models                                 | Adfinity™ 20D   | Adfinity™ X20D                   | Adfinity™ X20C                                | Adfinity™ X24D  |
|--|---|----------------------------------|---|---|
| Scrub Head Type                        | Disc  | Disc                             | Cylindrical with debris hopper                | Disc  |
| Deck Interchangeability                | All deck types interchangeable – ALL MODELS   |                                  |   |   |
| Scrub Path                             | 20 in (50.8 cm) pad holder standard; brushes available – 20D and X20D                                       |                                  | Dual 20 in (50.8 cm) cylindrical brush system | (2) 12 in (30.5 cm) pad holders standard; brushes available |
| Drive System                           | 0.3 hp (200 W) variable forward and reverse<br>Max speed 3.5 mph (5.6 km/hr), 16% gradeability – ALL MODELS |                                  |   |   |
| Max Productivity @ 3.0 mph (4.8 km/hr) | 26,400 ft² (2,453 m²)   | 26,400 ft² (2,453 m²)            | 26,400 ft² (2,453 m²)                         | 31,680 ft² (2,943 m²)                                       |
| Scrub Pressure (2 settings)            |   |                                  |   |   |
| Floating                               | 50 lb (25 kg)   | 50 lb (25 kg)                    | 57 lb (26 kg)                                 | 61 lb (28 kg)   |
| Locked                                 | 70 lb (32 kg)   | 70 lb (32 kg)                    | –   | –   |
| Scrub Head Speed                       | 170 rpm   | 170 rpm                          | 570 rpm                                       | 230 rpm   |
| EcoFlex™ System Available              | N/A   | Yes                              | Yes   | Yes   |
| Solution Flow Rates                    | 0.15 gal/min (0.55 L/min)   |                                  |   |   |
| Smart Solutions™ variable up to        | 0.3 gal/min (1.1 L/min) – ALL MODELS  |                                  |   |   |
| Squeegee Width                         | 29.9 in (75.9 cm)   | 29.9 in (75.9 cm)                | 29.9 in (75.9 cm)                             | 31.9 in (81.0 cm)   |
| Dimensions (w/o squeegee)              |   |                                  |   |   |
| L                                      | 52.0 in (132 cm)  | 52.0 in (132 cm)                 | 49.2 in (125 cm)                              | 51.6 in (131 cm)  |
| W                                      | 21.3 in (54 cm)   | 21.3 in (54 cm)                  | 22.4 in (57 cm)                               | 25.6 in (65 cm)   |
| H                                      | 42.9 in (109 cm)  | 42.9 in (109 cm)                 | 42.9 in (109 cm)                              | 42.9 in (109 cm)  |
| Weights                                |   |                                  |   |   |
| Without batteries                      | 240 lb (109 kg)   | 244 lb (111 kg)                  | 247 lb (112 kg)                               | 243 lb (110 kg)   |
| With batteries                         | 346 lb (157 kg)   | 350 lb (159 kg)                  | 362 lb (164 kg)                               | 374 lb (170 kg)   |
| Voltage                                | 24 V – ALL MODELS   |                                  |   |   |
| Power Source                           | (2) 12 V batteries (wet-acid and maintenance free available) – ALL MODELS                                   |                                  |   |   |
| Onboard Battery Charger                | 24 V wet/maintenance free compatible – ALL MODELS   |                                  |   |   |
| Solution Tank                          | 14.5 gal (55 L) – ALL MODELS  |                                  |   |   |
| Recovery Tank                          | 14.5 gal (55 L) – ALL MODELS  |                                  |   |   |
| Scrub Motor(s)                         | 0.65 hp (480 W)   | 0.65 hp (480 W)                  | (2) 0.54 hp (400 W)                           | (2) 0.47 hp (350 W)   |
| Vacuum Motor                           | 0.44 hp (330 W) – ALL MODELS  |                                  |   |   |
| Sound Level                            | 65.8 dB A at operator's position – ALL MODELS   |                                  |   |   |
| Approvals                              | ETL, CSA, CE – ALL MODELS   |                                  |   |   |
| Certification                          | –   |                                  |   |   |
| Part Number                            | –   | NFSI                             | –   | NFSI  |
|  | 56317327 w/130 Ah wet-acid batt.  | 56317329 w/130 Ah wet-acid batt. | 56317331 w/130 Ah wet-acid batt.              | 56317333 w/130 Ah wet-acid batt.                            |
|  | 56317328 w/98 Ah gel batt.  | 56317330 w/98 Ah gel batt.       | 56317332 w/98 Ah gel batt.                    | 56317334 w/98 Ah gel batt.                                  |

Specifications are subject to change without notice.

Specifications are subject to change without notice.



### Accessories and options:

- Variety of scrub brushes
- Polyurethane squeegee blades
- Integrated solution fill hose
- Hour meter kit
- Wet pick-up wand kit
- Scrub and vac kit
- 20 inch disc deck kit
- 20 inch cylindrical deck kit
- 24 inch disc deck kit

14600 21st Avenue North  
Plymouth, MN 55447-3408  
www.advance-us.com  
Phone 800-850-5559  
Fax 800-989-6566

240 Superior Boulevard  
Mississauga, Ontario, Canada L5T 2L2  
www.nilfisk-advance.com  
Phone 800-668-8400  
Fax 800-263-5111



### Smart cleaning.

Our products are designed using innovative technologies that increase productivity and drive down the cost to clean.



# Advance

A Nilfisk-Advance Brand

www.advance-us.com



JEFFERSON COUNTY  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
729 MAPLE ST / PO BOX 100  
HILLSBORO MO 63050  
WWW.JEFFCOMO.ORG

Invitation for Bid: **FLOOR SCRUBBER**

Date Issued: **02-03-14**

BIDS SHALL BE ACCEPTED UNTIL: **MARCH 4, 2014**, AT 2:00 P.M. LOCAL TIME.

**Specification**  
**Contact:** JASON JONAS  
Department of Public Works  
636-797-5369

**Contract**  
**Contact:** VICKIE PRATT  
Department of Administrative Services  
636-797-5382

**Mail (3) Three  
Complete Copies  
With Vendor And  
Bid Information As  
Shown In Sample:**

SAMPLE ENVELOPE

VENDOR NAME  
VENDOR ADDRESS  
CONTACT NUMBER DEPARTMENT OF THE COUNTY CLERK  
JEFFERSON COUNTY MISSOURI  
729 MAPLE ST / PO BOX 100  
HILLSBORO MO 63050-0100  
SEALED BID: (BID NAME)

**Contract Term:**  
UPON APPROVAL OF THE  
COUNTY COUNCIL AND  
COUNTY EXECUTIVE

The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. This Bid, if accepted, will constitute an Agreement and Contract with Jefferson County, Missouri, upon approval of the County Council and County Executive. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful Bidder. Price increases for renewals are not authorized unless approved in writing by the County.

**Vendor  
Information:**

|                          |                          |
|--------------------------|--------------------------|
| Industrial Soap Company  | Thomas Sher              |
| Company Name             | Authorized Agent (Print) |
| 722 S. Vandeventer Ave.  | <i>Thomas Sher</i>       |
| Address                  | Signature                |
| St. Louis / MO / 63110   | Vice President           |
| City/State/Zip Code      | Title                    |
| (314) 241-6363           | 2/28/2014 43-0336850     |
| Telephone #              | Date Tax ID #            |
| tsher@industrialsoap.com | (314) 533-5556           |
| E-mail                   | Fax #                    |

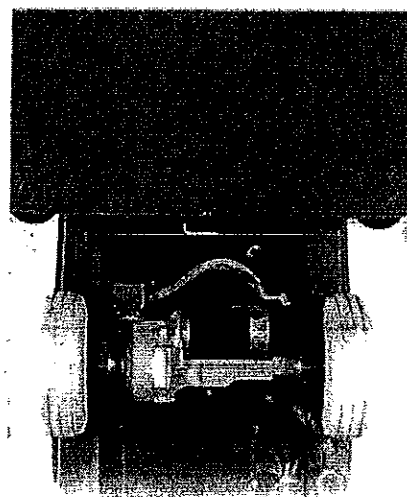


## **Focus® II** Compact Autoscrubbers®

- 3 models to choose from
- Superior solution clean up
- Quiet operation at 65.8 dB A
- Easy operation
- Environmentally friendly

The Focus II models are the first 20 in. autoscrubbers available with Clarke's revolutionary BOOST® Technology. If you demand high levels of cleaning with the ultimate in green benefits, BOOST technology offers 70% reduction in water and chemicals, 40% increase in pad life, and an added benefit of chemical-free removal of floor finish, compared to traditional disc models.

No other manufacturer comes close to matching Clarke's combination of serious cleaning ability and green benefits in autoscrubbers. The Focus II models are also available in 2' disc models. And all of the Focus II scrubbers feature important benefits such as low noise levels, improved user ergonomics, onboard chargers, breakaway squeegees and more.



The Focus II Compact BOOST features high speed orbital action and agitation.

**Trusted. Reliable. Efficient.**

A Nilfisk-Advance Brand

# **Clarke®**

# The Clarke Focus II Has 3 Models Available!

The L20 BOOST Orbital, S20 and L20 Disc to fill all application needs

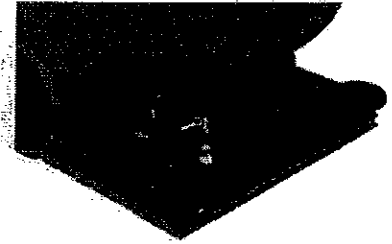
## BOOST Orbital



### Focus II - BOOST L20

BOOST technology produces high speed agitation with small 1/4 in. orbits. The orbital scrubbing action cleans 6x more effectively than traditional disc scrubbers. That means not only chemical-free removal of floor finish\*, but huge cost and labor savings every day: up to 70% less water usage and chemical costs, 50% less dump-and-fill time, and 40% longer pad life!

\*using maroon prep pad

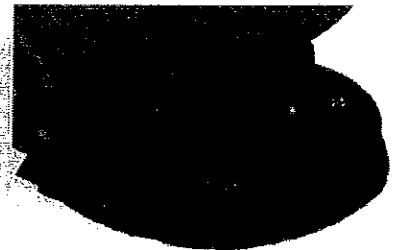


## 2 Disc Models



### Focus II S20 with Brush Assist Traverse L20 with Power Traverse

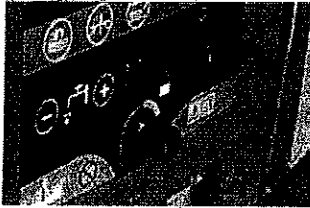
Conventional disc models of the Focus II are available with a 20 inch disc scrub deck. They may be selected with either power traction or brush assist drive. The brush/pad driver installation and removal is made simple with an easy on/off push button control.



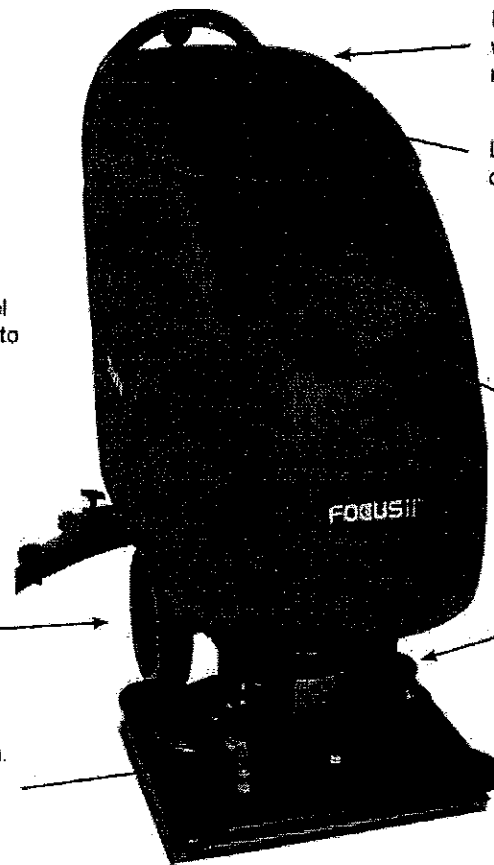
The high speed agitation of BOOST not only has superior cleaning performance, but also wet shines the floor to reduce burnishing requirements.



Easy access to battery compartment is great for maintenance and installation. Choose either 130 AH wet or 114 AH AGM batteries.



One-touch control panel is simple and effortless to operate. Ergonomically placed controls for all functions.



Rugged Polydur® tanks withstand impact and resists chemical damage

Large opening aids in clean out of recovery tank

Convenient front and rear fill

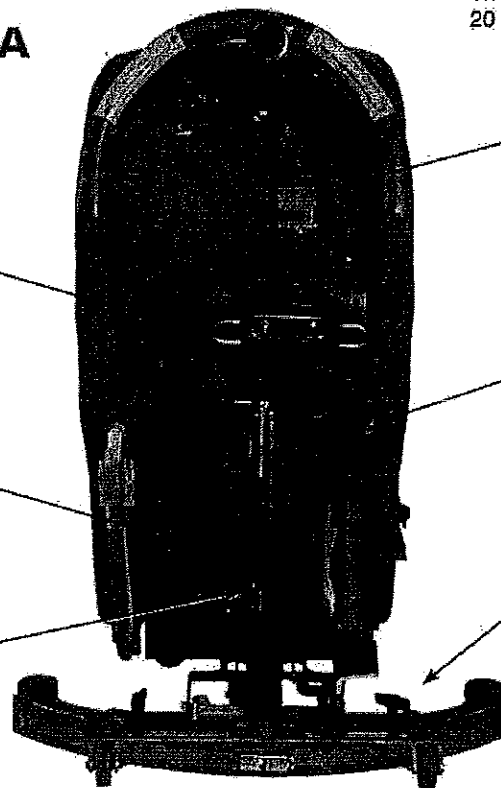
Powerful 3/4 HP motor drives the high speed orbital agitation of the BOOST model

Large diameter, non-marking wheels provide high traction

Clarke's patented pulse solution control applies an accurate and conservative amount of solution

## Very Quiet - Only 65.8 dB A

Two scrub decks to choose from to fit your application. 20 in. BOOST and 20 in. disc. As shown with BOOST.



Recovery drain is located high on the machine to allow draining into a high deep sink or toilet

Solution level indicator is conveniently located for the operator

Emergency power disconnect

Onboard battery charger allows charging at any convenient electrical outlet

The solution tank fill is conveniently located on the rear of the machine for ease of filling while draining the recovery tank

Squeegee is easy to remove without tools, and breaks away upon impact to prevent damage. Polyurethane front and rear blades wear longer and resist chemicals. Blades easily index without the use of tools.



| SPECIFICATIONS            | S20   | L20            | BOOST L20             |
|---------------------------|---|----------------|-----------------------|
| Part Number               | See price catalog for part numbers  |                |                       |
| Scrub Head Type           | Disc  | Disc           | BOOST                 |
| Cleaning Width            | 20 in   | 20 in          | 20 in                 |
| Drive Type                | Drive Assist  | Power Traction |                       |
| Working Voltage           | 24 V DC   |                |                       |
| Standard Batteries (2)    | 12 V 130 Ah @ 20 hr rating (wet) or 12 V 114 Ah @ 20 hr rating (AGM)  |                |                       |
| Battery Protection System | Low voltage cut-off of brush and solution   |                |                       |
| Vacuum Motor Power        | 0.5 hp, 2-stage tangential discharge  |                |                       |
| Solution & Recovery Tank  | 14.5 gal  |                |                       |
| Solution Flow             | 0 - 0.63 gal/min  |                | 0 - 0.3 gal/min*      |
| Brush Motor Power         | 0.7 hp (480 W)  |                | 0.75 hp (560 W)       |
| Brush Pressure            | 45 & 90 lb  |                | 40 & 75 lb            |
| Disc, Pad, Brush Sizes    | 20 in   |                | 14 x 20 in            |
| Brush Speed               | 153 RPM   |                | 2,250 RPM             |
| Sound Level               | 65.8 dB A   |                |                       |
| Onboard Charger           | Standard  |                |                       |
| Dimensions                | 52 in x 29 in x 42 in   |                | 51 in x 29 in x 42 in |
| Width (without squeegee)  | 21 in   |                | 20 in                 |
| Squeegee Width            | 29.9 in   |                |                       |
| Agency Approval           | 10 T3 CETLUS  |                |                       |
| Warranty                  | Polydur Body - 8 Years, Parts - 3 Years, Labor - 1 Year<br>Batteries - 18 months prorated (90 days unconditional) |                |                       |

\*BOOST normal operating flow rate is 0.1 gal/min. Specifications are subject to change without notice.



#### What enhances its productivity?

- Efficient utilization of solution
- Compact design, large capacity
- Easy on/off brush
- Long run times
- Solution and brush off in neutral

#### What makes it "green"?

- Low sound level
- Ergonomic design

- AGM battery (optional)
- Chemical-free floor finish removal with BOOST® Technology

#### What are the safety features?

- Security key switch
- Safety yellow palm switches
- Circuit breaker protection

#### What are the accessories?

- Full line of brushes and pads
- Battery Maintenance System
- Replacement Squeegee Blade Kit
- Hour meter kit



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14600 21st Avenue North • Plymouth, MN 55447-3408  
Phone: 800.253.0367 • Fax: 800.825.2753

240 Superior Boulevard • Mississauga, Ontario, Canada L5T 2L2  
Phone: 800.668.8400 • Fax: 800.263.5111

# Clarke®

A Nilfisk-Advance Brand

[www.clarkeus.com](http://www.clarkeus.com)

# CLARKE U.S. AND CANADA LIMITED WARRANTY

Nilfisk-Advance, Inc. warrants to the original end user, each new machine, new accessories and genuine replacement parts against defects in material and workmanship under normal use and service. Our obligation under this warranty is limited to repair or replacement of the defective item at our factory or by an Authorized Service Center. Warranty coverage shall begin on the date of purchase by the original end user (as evidenced by your invoice from the factory or Authorized Dealer) or one (1) year from the date the machine was shipped from the factory, whichever is earlier. The warranty registration card must be completed and returned within 30 days of purchase. The warranty coverage period is specified below.

| GROUP   | Parts <sup>1,2</sup>                          | Labor <sup>3</sup> | Travel <sup>3,4</sup> |
|---|---|--------------------|-----------------------|
| Comfort Pak <sup>5</sup> 6 & 10, Summit Wet/Dry Vacs, TFC 400   | 2 years                                       | 2 years            |                       |
| Carpet Master <sup>11</sup> , Upright Vac <sup>13</sup> , STV Line, SW 26   | 1 year  | 1 year             |                       |
| UZ 964, UZ 934,   | 3 year  | 1 year             |                       |
| RellaVac  | 1 year  | 1 year             |                       |
| Manual Sweeper  | 1 Year  | 1 Year             |                       |
| BOS 18, Grinder   | 1 year  | 1 year             |                       |
| Polishers: CFP, MP-18, FM <sup>8</sup>  | 5 years                                       | 5 years            |                       |
| Fusion 20 & 20T, RSW 37   | 3 years                                       | 1 year             |                       |
| PBU and Propane Stripper <sup>12</sup>  | 2 years                                       | 2 years            |                       |
| Ultra Speed Burnishers  | 3 years                                       | 1 year             |                       |
| Carpet Extractors <sup>10</sup> , Drying System   | 1 year  | 1 year             |                       |
| All Scrubbers   | 3 years                                       | 1 year             | 30 days               |
| EXCEPTIONS  |   |                    |                       |
| Roto-mold Components  | 8 years                                       | See Note 5         | See Note 5            |
| Vacuum motors and rectifiers  | 1 year  | 1 year             |                       |
| Batteries <sup>14</sup>   | 90 days full coverage, prorated for 18 months |                    |                       |
| 12 V starter batteries and Engines  | As offered by manufacturer.                   |                    |                       |
| NOTES:  |   |                    |                       |
| 1-Parts repaired or replaced are guaranteed for the remainder of the original machine warranty period.  |   |                    |                       |
| 2-Coverage only applicable to products sold and used in the United States and Canada.   |   |                    |                       |
| 3-Travel warranty coverage limited to 1 hour of round trip travel time to remedy a defective product or part.   |   |                    |                       |
| 4-Applies to replacement parts only after machine warranty coverage has expired.  |   |                    |                       |
| 5-Follows warranty offered on original machine.   |   |                    |                       |
| 6-In California the emission control system is warranted to the original owner and each subsequent owner for a period of two (2) years from the date of delivery to the original owner. |   |                    |                       |
| 9-Warranty coverage for seven (7) years on motor and gearbox coverage   |   |                    |                       |
| 10- BEXT SERIES tank and main frame warranty for ten (10) years on hot and cold water extractors and ten (10) years on heater (hot water extractor).                                    |   |                    |                       |
| 11-Electrical line drive is three (3) year.   |   |                    |                       |
| 12-110 volt starters are 90 days.   |   |                    |                       |
| 13-Motor and belts are covered for two (2) years.   |   |                    |                       |
| 14-Batteries in Canada are covered through battery OEM  |   |                    |                       |
| 15-Backplates are warranted for the life of the machine.  |   |                    |                       |

This warranty shall not apply to repairs resulting from accidents or misuse, damage in transit, overloading the capacity of the machine, failure due to lack of proper maintenance or care as described in the operating and maintenance instructions. Minor adjustments, such as tightening of screws or bolts not connected with the replacement of parts, are not covered. Replacement of expendable wear items such as scrub brushes, pad holders, carbon motor brushes, bulbs, bags, filters and various rubber/plastic parts are also not covered. Repairs or alterations by an organization other than the factory or an Authorized Service Center are not covered and will void any Nilfisk-Advance, Inc. warranty as to the parts or systems repaired or altered by a non-authorized organization.

THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION OF THE LIMITED WARRANTIES STATED WITHIN. NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS MADE EXCEPT AS EXPRESSLY STATED HEREIN. ANY STATUTORY IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, THAT ARE IMPOSED BY LAW DESPITE THE EXPRESS LIMITATION OR WARRANTIES ABOVE, ARE EXPRESSLY LIMITED TO THE DURATION OF THE WRITTEN WARRANTY. BUYER UNDERSTANDS, ACKNOWLEDGES AND AGREES THAT THE REMEDIES PROVIDED UNDER THIS LIMITED WARRANTY ARE THE SOLE AND EXCLUSIVE REMEDIES AVAILABLE TO THE BUYER. NILFISK-ADVANCE, INC. WILL NOT BE LIABLE FOR ANY OTHER OR ADDITIONAL DAMAGES, INCLUDING BUT NOT LIMITED TO INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE FURNISHING, PERFORMANCE, USE OF OR INABILITY TO USE THE MACHINE. ANY EXTENSIONS OF OR MODIFICATIONS MADE TO THIS WARRANTY BY A DEALER/DISTRIBUTOR OF NILFISK-ADVANCE, INC. ARE THE SOLE RESPONSIBILITY OF THE DEALER/DISTRIBUTOR.

All transportation or shipping charges resulting from the return of machines, parts, or accessories shall be the responsibility of the end-user. When returning, please provide an explanation of the problem and include the serial number of the machine as well as the name of the selling organization. The Technical Service department of the authorized Dealer Service Center or the factory will investigate and then contact you.

Transportation of hazardous waste or contaminated equipment is subject to various laws and regulations. In returning machines, parts, or accessories under this limited warranty, the end user must certify in writing that the machines, parts or accessories being returned have not been used for handling, clean up, or disposal of hazardous waste or hazardous materials including but not limited to such things as asbestos, anthrax etc. or if the machines, parts or accessories being returned have been used for handling, clean up, or disposal of hazardous waste or hazardous materials, then the end user must have the machines, parts or accessories decontaminated by licensed and qualified decontamination professionals and provide written certification of this decontamination signed by the decontamination professionals. These machines, parts or accessories are to be returned only to the local Nilfisk-Advance, Inc. Authorized Service Center for Warranty service along with decontamination certification.

NILFISK-ADVANCE, INC. Reserves the right to change its warranty policy without notice.

## Clarke

14600 21<sup>st</sup> Avenue North  
 Plymouth, MN 55447-3408  
[www.clarkeus.com](http://www.clarkeus.com)  
[uswarranty@nilfisk-advance.com](mailto:uswarranty@nilfisk-advance.com)  
 Phone: 800-253-0367  
 Fax: 800-340-6035

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 Form L3123C 6-11



**Suggested Specifications For**  
**Clarke®**  
**BATTERY POWERED AUTOMATIC SCRUBBER**  
**MODEL FOCUS II L20**

**GENERAL**

The machine shall be capable of scrubbing a swath 20" (50.8 cm) wide by means of a single rotating power driven brush, and have a vacuum fan for picking up the dirty water from the swath by means of a squeegee. The machine shall be battery powered, with motors to drive self-propelled traverse, scrub brush agitation, and vacuuming dirty cleaning solution from the floor. Tanks for storing scrubbing solution and recovered dirty water shall be carried on the machine.

**BATTERIES**

The machine shall carry two, twelve volt storage batteries, connected in series circuit providing a 24 volt system. Batteries shall be either 130 amp hour capacity wet lead acid as measured by the SAE 20 hour rate, or 114 amp hour capacity maintenance free Absorbed Glass Mat (AGM) batteries. The batteries shall be carried in a compartment integral with the solution tank which will contain any spillage, and be positioned to provide a low center of gravity for stability and safety. A quick disconnect shall be furnished to permit the operator to disconnect the battery pack from the machine control system in the case of an emergency.

**BATTERY CHARGER**

The machine shall be equipped with an on-board battery charger integral to the machine, rated at 110 to 230 volt, 50/60 cycles AC input. The charger shall have a 10' (3 meter) AC power cord that permanently affixes and stores on the machine. The charger shall have built-in over current protection for safety.

**SCRUB BRUSH POWER**

The machine shall be equipped with a .7 HP (.56 kW), permanent magnet, DC motor mounted to a high torque gear box to drive the furnished pad driver or optional brush. The motor and gear box shall be mounted with the shaft in a vertical plane to assure symmetrical pressure is applied to the brush. The alloy steel motor shaft shall be mounted in sealed, permanently lubricated ball bearings. The pad driver / brush shall be driven at 153 rpm and shall be attached directly to the motor-gearbox shaft by means of a clutch plate adaptor. The brush drive mechanism and pad driver / brush shall be designed to elevate off of the floor by means of a foot pedal lever controlled by the operator from the rear of the machine. This mechanism shall also be capable of lowering to the floor and applying 45 or 90 lbs. (20 or 40.8 kg) of pad / brush pressure.

**PAD DRIVER / BRUSH REMOVAL & INSTALLATION**

To minimize operator handling and contamination, the machine shall have a touch control push button on the operator control panel which when depressed and the scrub deck is elevated, the pad driver / brush will automatically spin off and be removed from the machine. The machine shall facilitate automatic pad driver / brush installation by the operator maneuvering the machine scrub deck over the pad driver / brush and lowering the scrub deck onto the center of the pad driver / brush then momentarily depressing the same button used in removal to install the pad driver / brush onto the scrub deck.

**SELF PROPELLED TRACTION DRIVE**

The machine shall be self-propelled, forward and reverse via a battery powered transaxle drive unit having a low-speed, high torque, permanent magnet traction motor with permanently lubricated bearings. The traction motor shall develop .27 (.2 kW) hp. The machine shall have variable speeds, adjustable by an electronic potentiometer conveniently located on the control handle in such a position that the operator does not have to look away from the traverse path to adjust the traverse speed. The machine shall be capable of traversing at speeds variable from 0 to 3.5 miles per hour (5.6 km/h).

**TRACTION WHEELS**

The machine shall be equipped with two traction drive wheels, each being 9.8" (24.9 cm) in diameter, and a tread width of 2 3/8" (6 cm). The traction drive wheels shall be gray, and be made of non-marking Neoprene.

**CASTER WHEEL**

The machine shall be equipped with one gray, non-marking caster with anti-friction bearings on wheel and stem.

## **TANKS**

The machine shall be equipped with a 14.5 gallon (55 liters) solution tank and a 14.5 gallon (55 liters) recovery tank. The tanks shall be constructed of tough Polydur™ which will not rust or corrode. The recovery tank shall be equipped with a 1 1/4" (3.2 cm) drain hose that is positioned to allow complete draining into toilets or high deep sinks. The recovery tank shall have a lid which will provide a large access for easy and thorough cleaning and sanitation of the recovery tank. The recovery tank lid shall have a sealing gasket that is easily removable and replaceable by the operator without tools or glue, so that it may be routinely removed and sanitized. A float shutoff ball shall be provided in the recovery tank to shut off the air flow to the vacuum motor when the recovery tank is full to prevent liquid from entering and damaging the vacuum motor. This float shutoff ball shall be positioned at an angle in a cage that points toward the front of the tank to assure positive and quick air flow shutoff when the recovered solution sloshes in the tank. The solution tank shall have a fill port at the rear of the machine so that the machine can be filled at the same time that the recovery tank is being emptied therefore saving operator time. It shall also have a fill port at the front of the machine for convenience and this port shall have a molded in funnel shape at its tank entrance to accommodate easy bucket filling. The solution tank shall have a clear level indicator hose that is marked with graduations indicating the tanks solution level. This indicator hose will provide means to drain the solution tank.

## **SOLUTION DELIVERY SYSTEM**

Solution shall be gravity fed from the solution tank through a screen filter which may be easily removed and cleaned by the operator even with a full tank of solution with a petcock valve to accommodate shutting off the solution while the removal and cleaning is being performed. An electronic control will pulse a solution solenoid to allow precise delivery of solution to the center of the scrubbing brush or pad driver. This electronic control shall have a means for the operator to control the rate of solution delivery by means of a touch control on the operator control panel.

## **VACUUM FAN**

The machine shall be equipped with a vacuum fan. The vacuum fan should be located in a patented acoustically confined space within the underside of the recovery tank. The vacuum fan shall be driven by 24-volts, and be a 1/2 HP continuous duty, series wound, ball bearing, universal type motor. The vacuum motor shall be a 2 stage tangential discharge type to provide increased efficiency with unrestricted airflow.

## **SQUEEGEE**

The squeegee shall be a double bladed 29.9" (75.9 cm) wide parabolic unit, and have Polyurethane front and rear blades for maximum chemical resist, maximum wear resistance, and low noise. The squeegee shall be swing mounted so it follows the scrubbing path to pick up water on the inside areas of turns, and have down pressure applied by two torsion springs. The squeegee shall be affixed to the machine in a break-away design so that upon accidental impact it will disengage from its mounting without damage to the squeegee or the machine. The squeegee shall be easily removed for servicing with two knobs. The squeegee shall be raised and lowered by means of a hand lever.

## **FRAME**

The machine frame shall be constructed of fabricated 10-gauge steel and shall be powder coated.

## **CONTROLS**

All operator controls will be located on the operator control panel at the rear of the machine. The control panel shall be in full view of the operator and shall provide easily read and understood graphics with international symbols. Control switch and indicator functions will be on an easy to clean tactile touch control panel.

## **SOUND LEVEL**

The machine shall be acoustically engineered to produce no greater than 65.8 dB(A) at the operators ears.

## **AGENCY APPROVAL**

For safety, the total machine shall possess *CETLus* agency approval.

## **ACCESSORIES AND OPTIONS**

### **Brushes**

Optional equipment shall include poly, nylon, and grit brushes for scrubbing and stripping.

### **Chemical Mixing System**

A Chemical Mixing System shall be available which will allow any concentrated chemical in a standard gallon jug to be placed in a storage area on-board the machine. A pump shall be provided in the system to regulate the precise mixture of chemical into the water flow from the solution tank to the scrub deck. The Chemical Mixing System shall have an easy to set potentiometer on the operator control panel to allow the operator to set the correct proportion to mix.

### **Hour Meter**

An hour meter kit shall be available for easy installation which will indicate the accumulative hours of operation for tracking routine maintenance and productivity.

### **CBMS (Clarke Battery Maintenance System)**

A battery maintenance system shall be available which is installed on the battery pack to condition the plates of the batteries by cleaning the sulfate crystals which accumulate during the charge and discharge cycles on all batteries. Installation of this option doubles the battery warranty to 36 months pro-rated with an unconditional 6 months full replacement.

**DIMENSIONS**

The machine shall be 52.1 (132.3 cm) long, 21.3" (54.1 cm) wide, 29.9" (75.9 cm) squeegee width, and 42.8" (108.8 cm) high. The weight shall not exceed 531.3 lbs. (241 kg) with batteries and full solution tank.

**WARRANTY**

The machine shall be warranted by the manufacturer, except for normal wear parts such as carbon motor brushes, floor brushes or pads, and squeegee blades for a period of three year on parts, and a period of one year on labor from date of purchase, with no limit to hour of use. Solution and recovery tanks shall be warranted for eight years from the date of purchase. Batteries shall be prorated for 18 months from date of purchase with an unconditional warranty for the first ninety days.

**MODEL DESIGNATION**

The machine shall be a Clarke® model Focus II L20, or equal.



JEFFERSON COUNTY  
DEPARTMENT OF ADMINISTRATIVE SERVICES  
729 MAPLE ST / PO BOX 100  
HILLSBORO MO 63050  
WWW.JEFFCOMO.ORG

Invitation for Bid: **FLOOR SCRUBBER**

Date Issued: **02-03-14**

BIDS SHALL BE ACCEPTED UNTIL: **MARCH 4, 2014**, AT 2:00 P.M. LOCAL TIME.

**Specification**  
**Contact:** JASON JONAS  
Department of Public Works  
636-797-5369

**Contract**  
**Contact:** VICKIE PRATT  
Department of Administrative Services  
636-797-5382

**Mail (3) Three  
Complete Copies  
With Vendor And  
Bid Information As  
Shown In Sample:**

SAMPLE ENVELOPE

VENDOR NAME

VENDOR ADDRESS

CONTACT NUMBER

DEPARTMENT OF THE COUNTY CLERK

JEFFERSON COUNTY MISSOURI

729 MAPLE ST / PO BOX 100

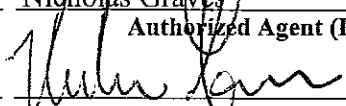
HILLSBORO MO 63050-0100

SEALED BID: (BID NAME)

**Contract Term:**  
**UPON APPROVAL OF THE  
COUNTY COUNCIL AND  
COUNTY EXECUTIVE**

The undersigned certifies that he/she has the authority to bind this company in an agreement/contract to supply the commodity or service in accordance with all terms, conditions, and pricing specified. This Bid, if accepted, will constitute an Agreement and Contract with Jefferson County, Missouri, upon approval of the County Council and County Executive. Prices are firm during this agreement term, unless agreed upon in writing by the County. The County has the option to renew this agreement at the same terms and conditions as the original agreement for one additional one-year term with the written consent of the successful Bidder. Price increases for renewals are not authorized unless approved in writing by the County.

**Vendor  
Information:**

|                               |  |
|-------------------------------|--|
| Tennant Sales and Service Co. | Nicholas Graves  |
| Company Name                  | Authorized Agent (Print)   |
| 701 N. Lilac Drive            |  |
| Address                       | Signature  |
| Minneapolis, MN 55422         | Quote Coordinator  |
| City/State/Zip Code           | Title  |
| 800-553-8033                  | 03/03/2014   |
| Telephone #                   | Date   |
|                               | 41-1986217   |
|                               | Tax ID #   |
| tennantbid@tenantco.com       | 763-513-2142   |
| E-mail                        | Fax #  |



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

## Quotation

**Ship-To**

COUNTY OF JEFFERSON  
729 MAPLE ST  
HILLSBORO MO 63050-4317

**Quotation Number****24699955**

Quotation Date 02/26/2014  
Valid Until 04/26/2014  
PO Number FLOOR SCRUBBER

Delivery Terms  
FOB SHIPPING PT FRT PPD & ADD

**Payment Terms**

Net 30 Days

Currency US Dollars

**Customer Number 4686578**

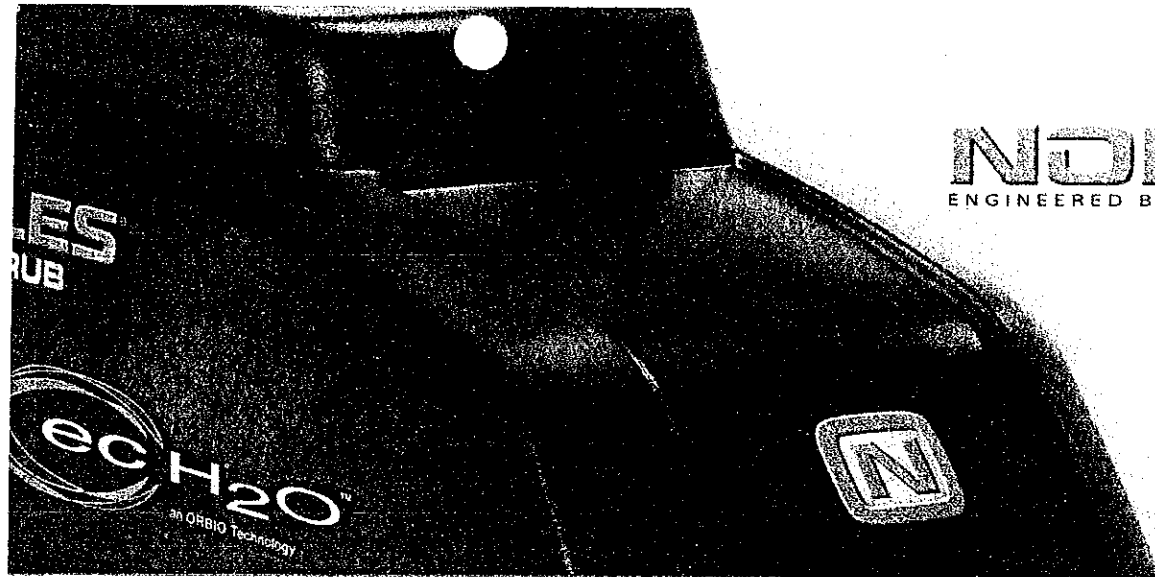
COUNTY OF JEFFERSON  
729 MAPLE ST  
HILLSBORO MO 63050-4317

**Bill-To**

COUNTY OF JEFFERSON  
729 MAPLE ST  
HILLSBORO MO 63050-4317

| Qty | Unit | Material               | Description                              | Unit Price | Extended Value |
|-----|------|------------------------|--|------------|----------------|
| 1   | PC   | 9004500                | SCRUBBER, 50CM, DRIVE [SS W/OFaSTW/OBAT] |            |                |
|     |      |                        | Price                                    | 6,066.00   | 6,066.00       |
|     |      |                        | Net Value                                | 6,066.00   | 6,066.00       |
|     |      | <b>Subtotal</b>        |  |            | 6,066.00       |
|     |      | <b>Net Freight</b>     |  |            | 96.00          |
|     |      | <b>State Sales Tax</b> | 4.23 %                                   |            | 256.29         |
|     |      | <b>Total</b>           |  |            | 6,418.29       |

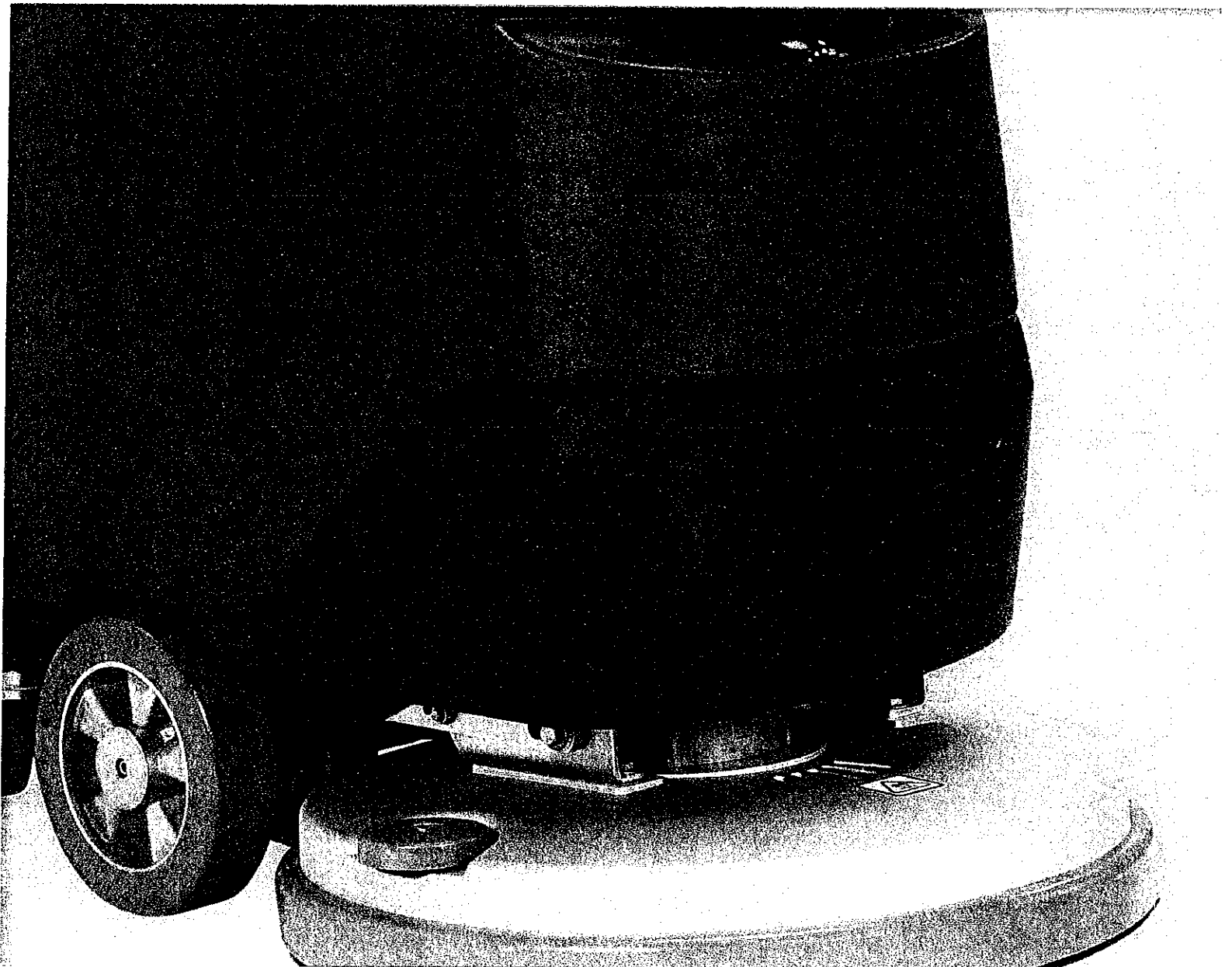
Sales Rep: VANEK, THOMAS Tel: 636-699-3754  
Prepared By: Christine Cheney, Customer Service Representative



**NOBLES**  
ENGINEERED BY TENNANT COMPANY

**SPHIELD SCRUBBER 47-20 inch**

Robust and dependable clean - even in the most noise-sensitive locations



# Reliable, effective cleaning results. Anytime. Every time.

## The Speed Scrub®

### It's rugged

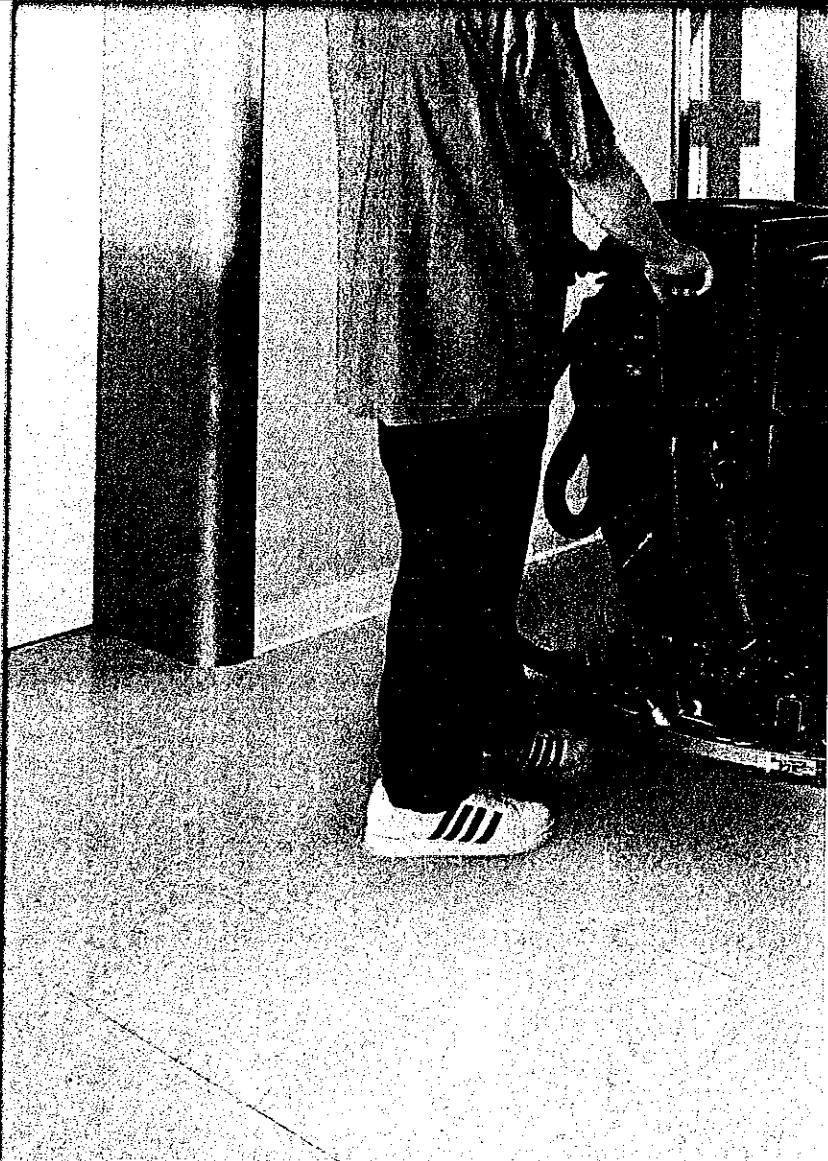
- Non-corroding cast aluminum scrub decks and squeegee frames
- Tested to over 100,000 real-world vacuum cycles

### It performs

- Virtually 100% water recovery – even in 180-degree turns
- Top of the line results in any application, thanks to powerful scrub motor and exceptional down pressure
- Reduce water consumption with optional ec-H2O™ or FaST™ technologies
- Quiet 68.5 dBA noise level

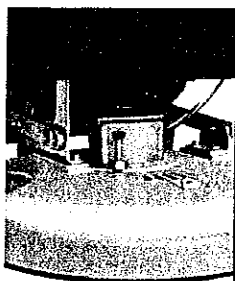
### It's easy

- Simple, familiar Quick-Train™ controls
- Easy, no-tool brush and squeegee replacement



## Five no-nonsense features

1. **Powerful motor**  
Get a reliable clean from the 1.0 hp brush motor, which delivers vigorous 230 rpm agitation; especially when combined with up to 90 pounds of pad pressure.



2. **Low noise level**  
The Speed Scrub can clean in the quietest places at 68.5 dBA.



3. **On-board charger**  
No need to worry about where to charge the machine. Just find any 120 volt outlet, plug it in, and you're good to go.

Built to be **tough**. Made to be **easy**.

## EXCLUSIVE TECHNOLOGIES

(optional cleaning innovations)

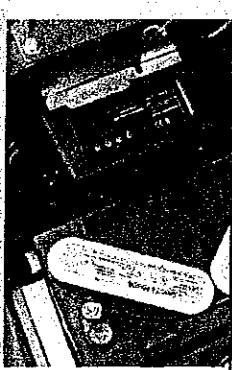


ec-H2O™ technology electrically converts water into an innovative cleaning solution that cleans effectively, saves money, improves safety, and reduces environmental impact compared to daily cleaning floor chemicals and methods.



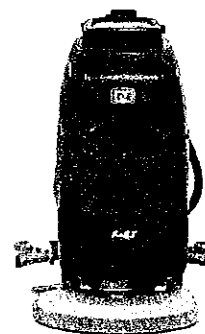
FaST® Foam Scrubbing Technology uses up to 70% less water and 90% less chemicals to improve floor traction as certified by NFSI, helping reduce the risk of slip and fall accidents.

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

- 
4. Quick and easy brush/squeegee replacement  
No tools are needed to replace brushes or blades, and operators can stop worrying and messing around with squeegee adjustments, it's factory set.



5. Iron-clad warranty  
3 years/2500 hours on parts and labor (excluding batteries).  
10 years on tanks.



# NOBLES

ENGINEERED BY TENNANT COMPANY



**ec-H2O™ and FaST® technologies are NFSI (National Floor Safety Institute) Certified.** NFSI certified products must

pass a 2-phase wet slip resistance process and have been shown to reduce the potential for slip-and-fall accidents.



**ec-H2O and FaST technologies are registered by NSF International.**

NSF International is an independent, not-for-profit organization that ensures formulation and labels on these products meet appropriate food safety regulations.



**ec-H2O and FaST technologies may contribute to LEED or LEED-EBOM (Existing**

**Building: Operations & Maintenance) points,** provided other appropriate criteria are met. For more information on obtaining LEED points, please contact your sales rep or refer to the USGBC website at: [www.usgbc.org](http://www.usgbc.org)



**FaST is a Green Seal (GS-37) Certified Detergent.** 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.



Conserve Resources



Reduce Detergents



Increase Safety



Improve Air Quality



Reduce Noise

## Specifications

| Cleaning path (3 models available)        | 17 in / 430 mm<br>Pad assist                           | 20 in / 500 mm<br>Pad assist               | 20 in / 500 mm<br>Transaxle drive |
|---|--|--|-----------------------------------|
| Solution tank capacity                    |  | 10.5 gal / 40 L                            |                                   |
| Productivity (per hour)                   |  |  |                                   |
| Theoretical max                           | 20,230 ft² / 1,880 m²                                  | 23,800 ft² / 2,210 m²                      | 23,800 ft² / 2,210 m²             |
| Estimated actual* (conventional)          | 8,440 ft² / 785 m²                                     | 10,125 ft² / 940 m²                        | 13,500 ft² / 1,250 m²             |
| Estimated actual* (ec-H2O™/FaST®)         | 11,250 ft² / 1,045 m²                                  | 13,500 ft² / 1,255 m²                      | 15,300 ft² / 1,420 m²             |
| Solution flow rates                       |  |  |                                   |
| Conventional (fully variable)             |  | 0-0.4 gpm / 0-1.5 lpm                      |                                   |
| ec-H2O™/FaST®                             |  | 0.13 gpm / 0.50 lpm                        |                                   |
| Scrub motors                              |  | 1.0 hp / 0.746 kW                          |                                   |
| Scrub motor speed                         |  | 230 rpm                                    |                                   |
| Brush/pad down pressure                   |  | 50 & 90 lb / 23 & 41 kg                    |                                   |
| Recovery tank capacity                    |  | 15 gal / 57 L (includes demisting chamber) |                                   |
| Vacuum fan                                |  |  |                                   |
| Motor                                     |  | 0.5 hp / 0.370 kW                          |                                   |
| Stages                                    |  | 2-stage                                    |                                   |
| Water lift                                |  | 40 in / 1,020 mm                           |                                   |
| Propel speed (variable to)                |  |  |                                   |
| Transport                                 | NA   | NA   | 2.6 mph / 4.2 km/h                |
| Scrubbing                                 | NA   | NA   | 2.4 mph / 3.9 km/h                |
| Batteries (24 V system, charger included) | (2) 12V, 105 AH  | (2) 12V, 130 AH                            | (2) 12V, 155 AH                   |
| Run time**                                | 2.5 hrs  | 2.5 hrs                                    | 3.0 hrs                           |
| Gradeability (ramp climb)                 |  |  |                                   |
| Scrubbing/transporting (full)             | NA   | NA   | 3.0° / 5.0°                       |
| Trailer ramps (empty)                     | NA   | NA   | 9°                                |
| Speed control                             |  | Variable speed potentiometer               |                                   |
| Product length                            | 48 in / 1,220 mm                                       | 50.25 in / 1,275 mm                        | 50.25 in / 1,275 mm               |
| Product width (body)                      |  | 18 in / 460 mm                             |                                   |
| Product width (scrub head)                | 20 in / 500 mm   | 21.5 in / 550 mm                           | 21.5 in / 550 mm                  |
| Product width (squeegee)                  |  | 30 in / 760 mm                             |                                   |
| Product height                            |  | 43 in / 1,090 mm                           |                                   |
| Product weight                            |  |  |                                   |
| Less batteries                            | 203 lb / 92 kg   | 205 lb / 93 kg                             | 216 lb / 98 kg                    |
| With batteries (2) 12V                    | 315 lb / 143 kg  | 340 lb / 154 kg                            | 386 lb / 175 kg                   |
| Minimum aisle turn                        | 51.5 in / 1,310 mm                                     | 53 in / 1,350 mm                           | 53 in / 1,350 mm                  |
| Sound level*** (operator's ear)           |  | 68.5 dBA                                   |                                   |
| Warranty                                  | See your local representative for warranty information |  |                                   |

## Nobles

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\* Estimated coverage rates use the practical speed and empty/fill time standards from the 2004 ISSA Cleaning Times handbook.  
\*\* Run times are based on Continuous Scrubbing Run Times.  
\*\*\* Sound levels per ISO 11201 as recommended by the American Association of Cleaning Equipment Manufacturers & OSHA.

Specifications subject to change without notice.



## Speed Scrub

### 17 & 20" disk specifications



| Scrubbing System                          |   |   |                                   |
|---|---|---|-----------------------------------|
| Cleaning path (3 models available)        | 17 in / 430 mm<br>Pad Assist  | 20 in / 500 mm<br>Pad Assist                  | 20 in / 500 mm<br>Transaxle Drive |
| Solution tank capacity                    |   | 10.5 gal / 40 L                               |                                   |
| Productivity (per hour)                   |   |   |                                   |
| Theoretical max                           | 20,230 ft² / 1,880 m²   | 23,800 ft² / 2,210 m²                         | 23,800 ft² / 2,210 m²             |
| Estimated actual* (conventional)          | 8,440 ft² / 785 m²  | 10,125 ft² / 940 m²                           | 16,065 ft² / 1,490 m²             |
| Estimated actual* (FaST®)                 | 11,250 ft² / 1,045 m²   | 13,500 ft² / 1,255 m²                         | 21,420 ft² / 1,990 m²             |
| Solution flow rates                       |   |   |                                   |
| Conventional (fully variable)             |   | 0 - 0.4 gpm / 0 - 1.5 lpm                     |                                   |
| FaST®                                     |   | 0.13 gpm / 0.50 lpm                           |                                   |
| Scrub motors                              |   | 1.0 hp / 0.746 kW                             |                                   |
| Scrub motor speed                         |   | 230 rpm                                       |                                   |
| Brush / pad down pressure                 |   | 50 & 90 lb / 23 & 41 kg                       |                                   |
| Recovery System                           |   |   |                                   |
| Recovery tank capacity                    |   | 15 gal / 57 L<br>(Includes demisting chamber) |                                   |
| Vacuum fan                                |   |   |                                   |
| Motor                                     |   | 0.5 hp / 0.370 kW                             |                                   |
| Stages                                    |   | 2-stage                                       |                                   |
| Water lift                                |   | 40 in / 1,020 mm                              |                                   |
| Propelling & Power System                 |   |   |                                   |
| Propel speed (variable to)                |   |   |                                   |
| Transport                                 | NA  | NA  | 2.6 mph / 4.2 kph                 |
| Scrubbing                                 | NA  | NA  | 2.4 mph / 3.9 kph                 |
| Batteries (24 V system, charger included) | (2) 12V, 105 AH   | (2) 12V, 130 AH                               | (2) 12V, 155 AH                   |
| Run time**                                | 2.5 hr  | 2.5 hr  | 3.0 hr                            |
| Gradeability (ramp climb)                 |   |   |                                   |
| Scrubbing / transporting (full)           | NA  | NA  | 3.0° / 5.0°                       |
| Trailer ramps (empty)                     | NA  | NA  | 9°                                |
| Speed control                             | Variable speed potentiometer  |   |                                   |
| Dimensions / Weight / Sound level         |   |   |                                   |
| Length                                    | 48 in / 1,220 mm  | 50.25 in / 1,275 mm                           | 50.25 in / 1,275 mm               |
| Width                                     |   |   |                                   |
| Body                                      |   | 18 in / 460 mm                                |                                   |
| Scrub head                                | 20 in / 510 mm  | 21.5 in / 550 mm                              | 21.5 in / 550 mm                  |
| Squeegee                                  |   | 30 in / 760 mm                                |                                   |
| Height                                    |   | 43 in / 1,090 mm                              |                                   |
| Net weight                                |   |   |                                   |
| Less batteries                            | 203 lb / 92 kg  | 205 lb / 93 kg                                | 216 lb / 98 kg                    |
| With batteries (2) 12V                    | 315 lb / 143 kg   | 340 lb / 154 kg                               | 386 lb / 175 kg                   |
| Minimum aisle turn:                       | 51.5 in / 1,310 mm  | 53 in / 1,350 mm                              | 53 in / 1,350 mm                  |
| Sound level*** (operator's ear)           |   | 68.5 dBA                                      |                                   |
| Warranty                                  | 3 years/2500 hrs on parts and labor (excluding batteries).<br>10 years on rotationally-molded polyethylene tanks. |   |                                   |

\* Estimated coverage rates use the practical speed and empty/fill time standards from the 2004 ISSA Cleaning Times handbook.

\*\* Run times are based on Continuous Scrubbing Run Times.

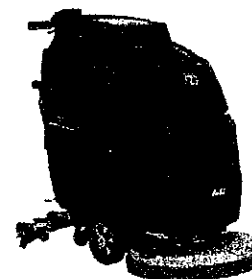
\*\*\* Sound levels per ISO 11201 as recommended by the American Association of Cleaning Equipment Manufacturers & OSHA



# Speed Scrub ec-H2O™

## 17 & 20" disk specifications

**ec-H2O**  
ELECTRICALLY CONVERTED WATER



| Scrubbing System  |                              |   |                                   |
|---|------------------------------|---|-----------------------------------|
| Cleaning path (3 models available)  | 17 in / 430 mm<br>Pad Assist | 20 in / 500 mm<br>Pad Assist                  | 20 in / 500 mm<br>Transaxle Drive |
| Solution tank capacity  |                              | 10.5 gal / 40 L                               |                                   |
| Productivity (per hour)   |                              |   |                                   |
| Theoretical max   | 20,230 ft² / 1,880 m²        | 23,800 ft² / 2,210 m²                         | 23,800 ft² / 2,210 m²             |
| Estimated actual* (conventional)  | 8,440 ft² / 785 m²           | 10,125 ft² / 940 m²                           | 16,065 ft² / 1,490 m²             |
| Estimated actual* (ec-H2O)  | 11,250 ft² / 1,045 m²        | 13,500 ft² / 1,255 m²                         | 21,420 ft² / 1,990 m²             |
| Solution flow rates: Standard   |                              | 0.13 gpm / 0.50 lpm                           |                                   |
| Optional  |                              | .19 gpm / .72 lpm & .25 gpm / .95 lpm         |                                   |
| Conventional  |                              | 0 - .4 gpm / 0 - 1.51 lpm                     |                                   |
| Scrub motors  |                              | 1.0 hp / 0.746 kW                             |                                   |
| Scrub motor speed   |                              | 230 rpm                                       |                                   |
| Brush / pad down pressure   |                              | 50 & 90 lb / 23 & 41 kg                       |                                   |
| Environmental Impact (Annual) ****  |                              |   |                                   |
| Chemical use reduction  |                              | 64 gal  |                                   |
| Packaging reduction   |                              | 39 lbs  |                                   |
| Water use reduction   |                              | 2867 gal                                      |                                   |
| Recovery System   |                              |   |                                   |
| Recovery tank capacity  |                              | 15 gal / 57 L<br>(Includes demisting chamber) |                                   |
| Vacuum fan  |                              |   |                                   |
| Motor   |                              | 0.5 hp / 0.370 kW                             |                                   |
| Stages  |                              | 2-stage                                       |                                   |
| Water lift  |                              | 40 in / 1,020 mm                              |                                   |
| Propelling & Power System   |                              |   |                                   |
| Propel speed (variable to)  |                              |   |                                   |
| Transport   | NA                           | NA  | 2.6 mph / 4.2 kph                 |
| Scrubbing   | NA                           | NA  | 2.4 mph / 3.9 kph                 |
| Batteries (24 V system, charger included)   | (2) 12V, 105 AH              | (2) 12V, 130 AH                               | (2) 12V, 155 AH                   |
| Run time**  | 2.5 hr                       | 2.5 hr  | 3.0 hr                            |
| Gradeability (ramp climb)   |                              |   |                                   |
| Scrubbing / transporting (full)   | NA                           | NA  | 3.0° / 5.0°                       |
| Trailer ramps (empty)   | NA                           | NA  | 9°                                |
| Speed control   |                              | Variable speed potentiometer                  |                                   |
| Dimensions / Weight / Sound level   |                              |   |                                   |
| Length  | 48 in / 1,220 mm             | 50.25 in / 1,275 mm                           | 50.25 in / 1,275 mm               |
| Width   |                              |   |                                   |
| Body  |                              | 18 in / 460 mm                                |                                   |
| Scrub head  | 20 in / 510 mm               | 21.5 in / 550 mm                              | 21.5 in / 550 mm                  |
| Squeegee  |                              | 30 in / 760 mm                                |                                   |
| Height  |                              | 43 in / 1,090 mm                              |                                   |
| Net weight  |                              |   |                                   |
| Less batteries  | 203 lb / 92 kg               | 205 lb / 93 kg                                | 216 lb / 98 kg                    |
| With batteries (2) 12V  | 315 lb / 143 kg              | 340 lb / 154 kg                               | 386 lb / 175 kg                   |
| Minimum aisle turn:   | 51.5 in / 1,310 mm           | 53 in / 1,350 mm                              | 53 in / 1,350 mm                  |
| Sound level*** (operator's ear)   |                              | 68.5 dBA                                      |                                   |
| Warranty  |                              |   |                                   |
| 3 years/2500 hrs on parts and labor (excluding batteries).<br>10 years on rotationally-molded polyethylene tanks. |                              |   |                                   |

\* Estimated coverage rates use the practical speed and empty/fill time standards from the 2004 ISSA Cleaning Times handbook.

\*\* Run times are based on Continuous Scrubbing Run Times.

\*\*\* Sound levels per ISO 11201 as recommended by the American Association of Cleaning Equipment Manufacturers & OSHA

\*\*\*\* Estimates based on requiring, at minimum, 1.5 tanks to clean the facility / area per day. 2 oz of chemical per gallon of water and scrubbing 5 times per week or 260 times per year.



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Specifications subject to change without notice. REV 8.14.06

# 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, battery Typhoon, or V-WD-16B) | 2500             |
| Speed Scrub Rider, Strive Rider  | 10 Years                              | 36 Months    | 12 Months pro-rated  | 36 Months    | 3 Months  | 1500             |
| SpeedGleam Rider, Speed Scrub Orbital, EZ-Rider  | 10 Years                              | 36 Months    | 12 Months pro-rated  | 24 Months    | 6 months  | 2000             |
| Scout™ 24, Scout™ 28, SW-24, SW-28   | 1 Year                                | 12 Months    | 12 Months pro-rated  | 12 Months    | 3 Months  | N/A              |
| Scout 3, Scout 3B, Scout 5, Scout 9, Explorer (H1,C2,H2,H5), QuickClean 12   | 2 Years                               | 24 Months    | 12 Months pro-rated  | 12 Months    | 3 Months  | N/A              |
| Tidy Vac 3, Tidy Vac 6, Speed SQ-14  | N/A                                   | 24 Months    | N/A  | 12 Months    | 3 Months  | N/A              |
| Speed Scrub 15" Battery Scrubber   | 10 Years                              | 36 Months    | AGM 6 Months pro-rated <sup>3</sup><br>Lithium Ion 24 Months | 36 Months    | 3 Months  | 2500             |
| Anser™, Viper™, EX-SPOT-2, V-HDU-14, V-WA-30 <sup>2</sup> (material 1068029)   | 10 Years                              | 12 Months    | N/A  | 12 Months    | None  | N/A              |
| TV1200, Pathmaker™, Tidy-Vac™, Cyclone, Scout™ 27, Ultraglide <sup>1</sup> , Trailblazer™, Blower, SW-27P, V-BP-5, V-BP-6 <sup>2</sup> , V-BP-10 <sup>2</sup> , V-CAN-5, V-LWU-13 <sup>2</sup> , V-SMU-14 <sup>2</sup> , V-DMU-14 <sup>2</sup> , V-DMU-15 <sup>2</sup> | N/A                                   | 12 Months    | N/A  | 12 Months    | None  | N/A              |

<sup>1</sup> Three (3) year limited warranty on electric motors    <sup>2</sup> Two (2) year limited warranty on electric motors    <sup>3</sup> 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 Nobles 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 Nobles 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 is 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. NOBLES 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.*