



WALKER COUNTY DEPARTMENT OF EDUCATION FACILITIES & OPERATIONS

INVITATION TO BID May 15, 2015

The Walker County Board of Education invites your company to submit a bid for CUSTODIAL FLOOR CARE EQUIPMENT to be used by the Walker County School System. Bidders should thoroughly review all terms, conditions, and specifications.

ITEM: CUSTODIAL FLOOR CARE EQUIPMENT

SEALED BID: This will be a sealed bid process. Please bid on all items. Bids will be awarded on an all or nothing basis. If you do not bid on all items, then your bid will be disqualified. Submit your sealed bid package marked clearly on the outside of the envelope or box – CUSTODIAL FLOOR CARE EQUIPMENT.

TO OBTAIN BID: Please visit our website at www.walkerschools.org and under Vendor Registry then Open Bid click on Custodial Floor Care Equipment.

PRE-BID MEETING: A Pre-Bid Meeting will be held on Thursday, May 21, 2015 at 2:00 p.m. EST. The meeting will be held at the Walker County Schools, Facilities & Operations Department Conference Room located at 298 Culberson Avenue, LaFayette, GA 30728. We would like for each vendor to attend if possible.

MAILING INSTRUCTIONS: Walker County Schools, Facilities & Operations, Attn: Chris Jones, 298 Culberson Ave., LaFayette, Georgia 30728. **All packages or envelopes must be sealed and mailed or hand delivered to the Walker County Department of Education, Facilities & Operations Department. Bids will not be accepted after Friday, May 29, 2015 at 11:00 a.m. EST.** Postmark by the U S Postal Service or Express Services will not be considered in relation to the deadline. Therefore, please consider the inconsistent delivery of mail when submitting your bid.

BID OPENING: The sealed bids will be opened at the same location on **Friday, May 29, 2015 at 11:00 a.m. EST** in the Facilities & Operations Department Conference Room at 298 Culberson Ave, LaFayette, GA 30728. **No additional bids will be accepted after this time.**

AWARDING OF BIDS: **The award of the bid will be a package.** The bids will be evaluated and awarded according to what is most advantageous for Walker County Schools. The Walker County Board of Education reserves the right to accept or reject any or all bids and to waive any informality.

CONTACT PERSON: If you have any questions concerning this bid, contact Chris Jones at Facilities & Operations at 706-639-0168 or by email at chrisjones@walkerschools.org.

Respectfully,

Chris Jones
Director of Facilities & Operations

**WALKER COUNTY DEPARTMENT OF EDUCATION
GENERAL TERMS AND REQUIREMENTS
FACILITIES & OPERATIONS**

1. **MAILING ADDRESS:** Walker County Department of Education, Facilities & Operations Department, 298 Culberson Avenue, LaFayette, Georgia 30728. Telephone 706-639-0168.
2. **PRE-BID MEETING:** A Pre-Bid Meeting will be held on Thursday, May 21, 2015 at 2:00 p.m. EST. The meeting will be held at the Walker County Schools, Facilities & Operations Department Conference Room located at 298 Culberson Avenue, LaFayette, GA 30728. We would like for each vendor to attend if possible.
3. **COMPLETING BID FORM:** All bids must be submitted on the Bid Form provided and each item must be completed in its entirety, listing unit price, extended price, manufacturer, and size or model number, etc. You must bid on all items to be considered.
4. **OPENING OF BIDS:** All bids will be opened in the Conference Room of the Walker County Schools, Facilities & Operations Department by the Superintendent of Schools or his designee on Friday, May 29, 2015 at 11:00 a.m. EST. Bids will not be accepted after this time.
5. **AWARDING OF BID:** Bids will be awarded as a package, all or nothing, basis. Please be sure to bid on every item or your bid will be disqualified. Bids will be awarded to qualified vendors that can provide the equipment that is specified and custodial training on the equipment purchased. Bids will be awarded on the basis of quality of products, service and dependability, performance of product, warranty, training capability, and cost. We are not required to accept low bid without considering all aspects of the product and company. The Walker County Board of Education reserves the right to continually purchase items from previous bidders as long as items continue to comply with specifications and performance requirements.
6. **GUARANTEE OF PRICE:** Prices for equipment requested to be guaranteed through 12/31/2015. Items should be submitted with price guarantee in writing. Our policy allows us to extend a bid from the previous year if the cost remains that same.
7. **SUBMITTAL AGREEMENT:** Each bidder must sign and submit with this bid the Submittal Agreement form which states that the items quoted meet the specifications in every respect.
8. **QUANTITIES:** The quantities shown on the Bid Form are estimates determined by the Walker County School System. Quantities may vary resulting from necessity or budget concerns; however, it is anticipated that at least 75% of the quantity listed will be purchased. The System reserves the right to purchase additional quantities at the price quoted.
9. **DELIVERY:** Equipment will be delivered to one of our school facilities. Specific details will be discussed in the pre-bid meeting.
10. **DEMONSTRATION:** Demonstration may be required of any of the equipment; therefore, in order to receive the bid, the vendors must have the ability to demonstrate their product in the manner prescribed if requested.
11. **PERSONNEL TRAINING:** The successful bidder must agree to provide training for our school personnel without cost to the System. This would include the application and use of material and equipment. Walker County Schools reserves the right to schedule at least 25 hours of annual custodial staff support training to be conducted by the vendor at our request on any equipment.

**WALKER COUNTY DEPARTMENT OF EDUCATION
GENERAL TERMS AND REQUIREMENTS
FACILITIES & OPERATIONS**

Please include in the bid package a description of how you would conduct this training, and how your company will provide individual support to the custodians.

12. **TAX EXEMPTION:** The Walker County Board of Education is not subject to taxation; therefore, upon request, tax exemption certificates will be furnished, with the exception to Tennessee which if the items are picked up in Tennessee we are required to pay sales tax. All items included in this bid should be delivered and will therefore be tax exempt.
13. **FINANCIAL STATEMENT:** The Walker County Board of Education reserves the right to require any bidder to submit a financial solvency state of rating.
14. **PAYMENT:** Payment will be made from the original invoice after products are received and inspected.
15. **VENDOR REFERENCES & QUALIFICATIONS:** Walker County has the right to request references before committing to a vendor. If requested, the vendor would need to provide a reference and a facility that is currently using the product/products we are interested in.
16. **GIFTS:** The Walker County Board of Education prohibits distribution of any token gift to any school system employee for personal use. Please adhere to this policy and avoid any embarrassing situations for any vendor or salesman.
17. **CONTACT PERSON:** If you have any questions concerning this document or any other item, please call Chris Jones at (706) 639-0168 or email chrisjones@walkerschools.org. We appreciate your interest and participation and look forward to a very good business relationship.

BID SUBMITAL AGREEMENT
CUSTODIAL FLOOR CARE EQUIPMENT
BID PACKAGE

The Submittal Agreement must be returned with this bid for it to be considered.

We have carefully read and examined the bid guidelines and fully understand all aspects as it relates to the Walker County Board of Education's expectations and agree that all bid information submitted meets or exceeds specifications in all aspects.

Company

Signature of Person Completing Form

Address

Date

City, State, Zip

Telephone Number

Local Company Representative

Fax Number

Bid was opened at the Walker County Department of Education, Facilities & Operations Department, LaFayette, Georgia on this ____ day of _____, 2015 at _____.

Notary Public

Witness

Commission Expires

**CUSTODIAL FLOOR CARE EQUIPMENT
BID SPECIFICATIONS**

We request that ONLY Tennant products are bid for the following equipment:

Quantity	Equipment
12	B5 Battery Burnisher 20"
2	B7 Battery Burnisher 27"
15	Electric High Speed Buffer 20"
2	T2 Walk Behind Scrubber 17"
9	T3 Walk Behind Scrubber 20"
2	T7 Riding Scrubber 32"

We request that ONLY Kaivac products are bid for the following equipment:

Quantity	Equipment
11	Kaivac 1750

Please see equipment specifications sheets for more information on each piece of equipment requested.



CREATING A CLEANER, SAFER, HEALTHIER WORLD.

B5 | Battery Operated Walk-Behind Burnisher

Product Specifications

FEATURES	SPECIFICATIONS*	
	B5 Pad Assist (20 in / 510 mm)	B5 Drive (20 in / 510 mm)
Product Name		
Burnishing System		
Burnishing path width	20 in / 510 mm	20 in / 510 mm
Productivity rate (max.)	16,260 ft ² /hr / 1,510 m ² /hr	20,000 ft ² /hr / 2,500 m ² /hr
Productivity rate (2"/51mm overlap.)	13,500 ft ² /hr / 1,260 m ² /hr	18,000 ft ² /hr / 1,670 m ² /hr
Pad motor	36 V, 75 A, 2.8 hp max / 2.1 kW	36 V, 75 A, 2.8 hp max / 2.1 kW
Pad pressure	Variable - mechanical or actuated	Variable - mechanical or actuated
Pad speed	2100 rpm	2100 rpm
Burnishing speed (variable)	Pad Assist	Min: 100 fpm / 30 mpm Max: 200 fpm / 60 mpm
Transport speed (max.)	n/a	Fwd: 240 fpm / 73 mpm Rev: 144 fpm / 44 mpm
Propel motor	n/a	24 V, 14 A, .363 hp / .27 kW, 271 W
Aisle turn (min.)	60 in / 1524 mm	60 in / 1524 mm
Grade level (max.)	Burnishing: 9%, Transport: 19.5%	Burnishing: 9%, Transport: 19.5%
Dust Control System		
Vacuum motor (Active dust control)	36 V, 5 A, 180W / 0.18kW	36 V, 5 A, 180W / 0.18kW
HEPA filtration (Active dust control)	99.97% @ 0.3 micron	99.97% @ 0.3 micron
Filtration (Passive dust control)	95% @ 0.3 micron	95% @ 0.3 micron
Dust bag capacity	1.27 qt / 1.4 l	1.27 qt / 1.4 l
Power System		
Voltage	36 VDC	36 VDC
Battery capacity	3 - 12V, 185 Ah Wet/lead acid (std.) 3 - 12V, 234 Ah AGM (opt.) 3 - 12V, 225 Ah Wet/lead acid (opt.)	3 - 12V, 185 Ah Wet/lead acid (std.) 3 - 12V, 234 Ah AGM (opt.) 3 - 12V, 225 Ah Wet/lead acid (opt.)
Total power consumption	60 A / 1.9 kW nominal	60 A / 1.9 kW nominal
Battery charger	120 VAC, 60 Hz, 36 VDC, 25 A	120 VAC, 60 Hz, 36 VDC, 25 A
	220/240 VAC, 60 Hz, 36 VDC, 25 A	220/240 VAC, 60 Hz, 36 VDC, 25 A

Product Specifications (continued)

FEATURES	SPECIFICATIONS*	
	B5 Pad Assist (20 in / 510 mm)	B5 Drive (20 in / 510 mm)
Product Name		
Machine Specifications		
Length	59 in / 1499 mm	59 in / 1499 mm
Width	24.5 in / 622 mm	24.5 in / 622 mm
Height	43 in / 1092 mm	43 in / 1092 mm
Weight	193 lb / 87.5 kg	198 lb / 90 kg
Weight (with batteries)	507 lb / 230 kg	572 lb / 259 kg
Protection grade	IPX3	IPX3
Machine vibration at hand-arm	<2.5 m/s ²	<2.5 m/s ²
Machine vibration uncertainty K	0.2 m/s ²	0.2 m/s ²
Ambient operating temperature	Min: 32°F / 0°C Max: 110°F / 43°C	Min: 32°F / 0°C Max: 110°F / 43°C
Sound pressure level L _{pA} (Active Dust Control)	64 dBA	64 dBA
Sound pressure level L _{pA} (Passive Dust Control)	65 dBA	65 dBA
Approvals		
ETL listed (U.S./Canada only)	Yes	Yes
Warranty		
Warranty	10 years on rotationally molded tanks, 3 yrs. parts, 2 yrs. labor, 6 months travel	10 years on rotationally molded tanks, 3 yrs. parts, 2 yrs. labor, 6 months travel

Values per EN 60335-2-72

*Specifications are subject to change without notice.





CREATING A CLEANER, SAFER, HEALTHIER WORLD.

B7 | Battery Operated Walk-Behind Burnisher

Product Specifications

FEATURES	SPECIFICATIONS*	
	B7 Drive (24 in / 610 mm)	B7 Drive (27 in / 690 mm)
Product Name		
Burnishing System		
Burnishing path width	24 in / 610 mm	27 in / 690 mm
Productivity rate (max.)	24,000 ft ² /hr / 2,200 m ² /hr	27,000 ft ² /hr / 2,500 m ² /hr
Productivity rate (2"/51mm overlap.)	22,000 ft ² /hr / 2,000 m ² /hr	25,000 ft ² /hr / 2,300 m ² /hr
Pad motor	37 V, 90 A, 3.6 hp max / 2.6 kW	37 V, 90 A, 3.6 hp max / 2.6 kW
Pad pressure	Variable - mechanical or actuated	Variable - mechanical or actuated
Pad speed	1875 rpm	1875 rpm
Burnishing speed (variable)	Min: 100 fpm / 30 mph Max: 200 fpm / 60 mpm	Min: 100 fpm / 30 mpm Max: 200 fpm / 60 mpm
Transport speed (max.)	Fwd: 240 fpm / 73 mpm Rev: 144 fpm / 44 mpm	Fwd: 240 fpm / 73 mpm Rev: 144 fpm / 44 mpm
Propel motor	24 V, 14 A, .363 hp / .27 kW, 271 W	24 V, 14 A, .363 hp / .27 kW, 271 W
Aisle turn (min.)	62.5 in / 1588 mm	64 in / 1626 mm
Grade level (max.)	Burnishing: 9%, Transport: 19.5%	Burnishing: 9%, Transport: 19.5%
Dust Control System		
Vacuum motor (Active dust control)	36 V, 5 A, 180W / 0.18kW	36 V, 5 A, 180W / 0.18kW
HEPA filtration (Active dust control)	99.97% @ 0.3 micron	99.97% @ 0.3 micron
Filtration (Passive dust control)	95% @ 0.3 micron	95% @ 0.3 micron
Dust bag capacity	1.27 qt / 1.4 l	1.27 qt / 1.4 l
Power System		
Voltage	36 VDC	36 VDC
Battery capacity	6 - 6V, 240 Ah Wet/lead acid (std.) 6 - 6V, 312 Ah AGM (opt.) 6 - 6V, 360 Ah Wet/lead acid (opt.)	6 - 6V, 330 Ah Wet/lead-acid (std.) 6 - 6V, 312 Ah AGM (opt.) 6 - 6V, 360 Ah Wet/lead acid (opt.)
Total power consumption	75 A / 2.4 kW nominal	75 A / 2.4 kW nominal
Battery charger	120 VAC, 60 Hz, 36 VDC, 25 A 220/240 VAC, 60 Hz, 36 VDC, 25 A	120 VAC, 60 Hz, 36 VDC, 25 A 220/240 VAC, 60 Hz, 36 VDC, 25 A

Product Specifications

FEATURES	SPECIFICATIONS*	
	B7 Drive (24 in / 610 mm)	B7 Drive (27 in / 690 mm)
Machine Specifications		
Length	61.5 in / 1562 mm	63 in / 1600 mm
Width	30 in / 762 mm	31.5 in / 800 mm
Height	43 in / 1092 mm	43 in / 1092 mm
Weight	246 lb / 111.5 kg	254lb / 115 kg
Weight (with batteries)	616 lb / 279 kg	797 lb / 362 kg
Protection grade	IPX3	IPX3
Machine vibration at hand-arm	<2.5 m/s ²	<2.5 m/s ²
Machine vibration uncertainty K	0.2 m/s ²	0.2 m/s ²
Ambient operating temperature	Min: 32°F / 0°C Max: 110°F / 43°C	Min: 32°F / 0°C Max: 110°F / 43°C
Sound pressure level L _{pA} (Active Dust Control)	63 dBA	63 dBA
Sound pressure level L _{pA} (Passive Dust Control)	65 dBA	65 dBA
Approvals		
ETL listed (U.S./Canada only)	Yes	Yes
Warranty		
Warranty	10 years on rotationally molded tanks, 3 yrs. parts, 2 yrs. labor, 6 months travel	10 years on rotationally molded tanks, 3 yrs. parts, 2 yrs. labor, 6 months travel

Values per EN 60335-2-72

*Specifications are subject to change without notice.



High Speed Burnisher



Durable design and excellent performance in a high speed burnisher.

Delivering results

High speed burnishing delivers excellent gloss on a variety of floor finishes. Easily maneuver around furniture, radiators and toe kicks with this unit's low profile base.

Operator comfort and safety

The floating handle easily adjusts to any height operator and allows for comfortable use. The twist grips incorporate a safety lock to ensure operator safety.

Durable construction

Made of durable polyethylene, this rugged unit is able to withstand years of use.

Key Benefits

- Delivers excellent gloss performance on a variety of finished floor surfaces
- Burnisher made of durable corrosion-proof polyethylene
- Floating handle ensures operator comfort



High Speed Burnisher



Features	Specifications*
Product Name	BR-1600-NDC (U.S. only) BR-1200-NDC (Canada only – see Approvals below)
Pad Drive System Pad speed burnishing Motor volts Motor HP Motor type Pad diameter Motor amps Pad driver description	1600 rpm / 1200 rpm 120 V 1.5 hp / 1.12 kW Permanent magnet DC, circuit breaker protected 20 in / 510 mm 17 A Flexible disk with centering lock, free floating, accommodates uneven floors
Debris Recovery System Dust control system	—
Productivity Max. coverage (per hour)	10000 ft ² /929m ²
Dimensions/Weight/Sound level Length Width Height Net weight Sound level (operator's ears)	29.75 in / 755.7 mm 20.75 in / 527.1 mm 49 in / 1244 mm 68 lb / 30.84 kg 70 dBA
Power Cord Power cord length Power cord type	75 ft / 23 m 14 gauge, 3-wire, SJT
Approvals	1600 rpm version not available for sale in Canada. CSA Approved BR-1200-NDC version is available (see Canadian price list for additional information).
Warranty	See your sales representative or authorized distributor for complete warranty details.

*Specifications subject to change without notice



Model T2 Specifications

BATTERY-POWERED WALK-BEHIND SCRUBBER

Feature	
Scrubbing System	
Cleaning Path	17 in/43 cm – Pad Assist
Solution Tank Capacity	6.9 gal /26 liter
Productivity (Per Hour) Theoretical Max Estimated Actual*	20,230 ft ² /1,880 m ² 7,234 ft ² /672 m ²
Variable Solution Flow Rate	0-.3 gpm /0-1.1lpm
Brush Motor	1 hp/.75 kW
Brush Operating Speed	230 rpm
Maximum Brush / Pad Pressure	50 lb /23 kg
Recovery System	
Recovery Tank Capacity	9.5 gal /36 liter– fully accessible and cleanable (Includes demisting chamber)
Vacuum Fan Motor Stages Vacuum Motor (Maximum) Sealed Water Lift	0.4 hp /0.30 kW 2 65cfm /1.84 cubic mm/minute 40 in /102 cm
Squeegee Description	27.4 in /69.5 cm curved squeegee assembly with quick-change four sided rear blade
Drive System	
Caster Description	2.75 in /70 mm diameter polyurethane
Wheel Description	7 in x 1.5 in /178 x 38 mm non-marking polyurethane
Batteries (12V system) Lead Acid / Run time*	(2) 12V, 105 AH / Up to 3 hours
Dimensions / Weight / Sound level	
Length	44.1 in /112 cm
Width Body Scrub head Squeegee	17.4 in /44.1 cm 18.8 in /47.8 cm 27.4 in /69.5 cm
Height Maximum (Handle Lowest Position)	36.6 in /93 cm
Height Adjustable Handle - Range	5 in /12.6 cm
Net Weight Less Batteries With Batteries (2) 12V	176 lb /80 kg 300 lb /136 kg
Minimum Aisle Turn:	48 in /122 cm
Sound Level*** (operator's ear)	68.0 dBa
Warranty	See your local representative for warranty information

* 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.

*** For CE compliance, sound level is measured as an A-weighted sound pressure level per ISO 11201 and reported in accordance with ISO 4871.

T3 Pad Assist Specifications

For 17" & 20" /430 mm & 510 mm models only



Features		Specifications (English/Metric)	
Model	T3 17" (43cm) Pad Assist	T3 20" (50cm) Pad Assist	
Chassis/Body Construction	Roto-molded polyethylene		
Productivity (per hour)			
Theoretical Max	20,230 ft ² / 1,880 m ²	23,800 ft ² / 2,210 m ²	
Estimated Coverage* (Conventional)	8,440 ft ² / 785 m ²	10,125 ft ² / 940 m ²	
Estimated Coverage* (FaST)	11,250 ft ² / 1,045 m ²	11,500 ft ² / 1,070 m ²	
Brush/Pad Drive System			
Brush Motor Horsepower	1.0 hp / .75 kW		
Brush RPM	230 RPM		
Brush/Pad Pressure	50 & 90 lbs / 23 & 41 kg		
Solution Delivery System			
Solution Tank Description	Full Access and Cleanable		
Solution Capacity	10.5 gal (40 liter)		
Recovery System			
Recovery Tank Description	Full Access and Cleanable		
Recovery Tank Capacity	15 gal (57 liter) (Includes demisting chamber)		
Vacuum Motor	.5 hp/ .37 kW – Two Stage		
Vacuum Motor CFM	65 cfm (1.84 cmm)		
Vacuum Motor Sealed Water Lift	40" (1020 mm)		
Squeegee Description	30" (760 mm) curved squeegee assembly with quick change four sided blade		
Drive System			
Caster Description	3.15" (80 mm) diameter polyurethane		
Wheel Description	8" x 2" (200 mm x 50 mm) non-marking polyurethane		

T3 Pad Assist Specifications

For 17" & 20" /430 mm & 510 mm models only



Features		Specifications (English/Metric)	
Battery System			
System Voltage	24 Volt		
Battery Amp Hour Rating:	105 AH @ 20 hr rate	130 AH @ 20 hr rate	
Battery Count	2		
Run Time (continuous) Per Charge	2.5 hours		
Machine Dimensions			
Product Length	48 in (1219mm)	50.25 in (1280 mm)	
Width Without Squeegee	19.15 in (489 mm)	22 in (560 mm)	
Width With Squeegee	30 in (760 mm)		
Product Height	43 in (1090 mm)		
Product Weight (w/out batteries)	208 lbs (94 kg)	210 lbs (95 kg)	
Product Weight (with batteries)	319 lbs (145 kg)	343 lbs (156 kg)	
Minimum Aisle Turn	48.75 (1238 mm)	51 in (1300 mm)	
Total Power Consumption			
Power Consumption Amps	29 amp nominal		
Decibel Rating			
Operator's Position	68.5 dBa		
Warranty	3 years/ 2500 hrs on parts and labor (excluding batteries & battery chargers). 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.*



Features		Specifications (English/Metric)	
Model	T3 17" (43cm) Pad Assist	T3 20" (50cm) Pad Assist	
Productivity (per hour)			
Theoretical Max	20,230 ft ² / 1,880 m ²	23,800 ft ² / 2,210 m ²	
Estimated Coverage* (Conventional)	8,440 ft ² / 785 m ²	10,125 ft ² / 940 m ²	
Estimated Coverage* (ec-H2O)	11,250 ft ² / 1,045 m ²	13,500 ft ² / 1,255 m ²	
Environmental Impact (Annual) **			
Chemical use reduction		64 gal	
Packaging reduction		39 lbs	
Water use reduction		2867 gal	
Brush/Pad Drive System			
Brush Motor Horsepower		1.0 hp / .75 kW	
Brush RPM		230 RPM	
Brush/Pad Pressure		50 & 90 lbs / 23 & 41 kg	
Solution Delivery System			
Solution Tank Description		Full Access and Cleanable	
Solution Capacity		10.5 gal (40 liter)	
Solution flow rates:		.13 gpm / .50 lpm	
Standard ec-H2O		.19 gpm / .72 lpm & .25 gpm / .95 lpm	
Optional ec-H2O		Up to .4 gpm / 1.51 lpm	
Conventional Mode Option			
Recovery System			
Recovery Tank Description		Full Access and Cleanable	
Recovery Tank Capacity		15 gal (57 liter) (Includes demisting chamber)	
Vacuum Motor		.5 hp/ .37 kW – Two Stage	
Vacuum Motor CFM		65 cfm (1.84 cmm)	
Vacuum Motor Sealed Water Lift		40" (1020 mm)	
Squeegee Description		30" (760 mm) curved squeegee assembly	

T3 Pad Assist Specifications

For 17" & 20" /430 mm & 510 mm models only



Features	Specifications (English/Metric)
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Drive System	
Caster Description	3.15" (80 mm) diameter polyurethane
Wheel Description	8" x 2" (200 mm x 50 mm) non-marking polyurethane
Battery System	
System Voltage	24 Volt
Battery Amp Hour Rating:	105 AH @ 20 hr rate 130 AH @ 20 hr rate
Battery Count	2
Run Time (continuous) Per Charge	2.5 hours
Machine Dimensions	
Product Length	48 in (1219mm) 50.25 in (1280 mm)
Width Without Squeegee	19.15 in (489 mm) 22 in (560 mm)
Width With Squeegee	30 in (760 mm)
Product Height	43 in (1090 mm)
Product Weight (with batteries)	319 lbs (145 kg) 343 lbs (156 kg)
Minimum Aisle Turn	48.75 in (1238 mm) 51 in (1300 mm)
Decibel Rating	
Operator's Position	68.5 dBa
Warranty	3 years/ 2500 hrs on parts and labor (excluding batteries, & battery chargers). 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.

** 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.

ec-H2O is certified to provide high traction by the National Floor & Safety Institute.





T7 Specifications

BATTERY-POWERED RIDER SCRUBBER available with
ec-H2O™ converted water scrubbing technology
FaST® foam scrubbing technology

Feature				
Scrubbing System				
	Disk		Cyl	
	26- inch / 650 mm	32- inch / 800 mm	28- inch / 700 mm	32- inch / 800 mm
Cleaning path (2 paths available)				
Hygienic™ Solution tank capacity	29 gallon / 110 liter			
Productivity (per hour)				
Theoretical Max	45,760 ft ² / 4,250 m ²	56,320 ft ² / 5,230 m ²	49,280 ft ² / 4,578 m ²	56,320 ft ² / 5,230 m ²
Estimated Actual* (Conventional)	23,760 ft ² / 2,210 m ²	29,700 ft ² / 2,760 m ²	25,740 ft ² / 2,391 m ²	29,700 ft ² / 2,760 m ²
Estimated Actual* (FaST®)	31,680 ft ² / 2,950 m ²	39,600 ft ² / 3,680 m ²	30,030 ft ² / 2,790 m ²	34,650 ft ² / 3,219 m ²
Estimated Actual* (ec-H2O™)	31,680 ft ² / 2,950 m ²	39,600 ft ² / 3,680 m ²	30,030 ft ² / 2,790 m ²	34,650 ft ² / 3,219 m ²
Scrub Motors	(2) 0.75 hp / 0.5 kW			
Brush speed	225 rpm		1500 rpm	
Brush down pressure (variable to)	80, 120, & 160 lb / 35, 55, & 75 kg		40, 80, 120 lb / 18, 36, 54 kg	
Brush / quantity & size	(2) 13 in / 330 mm	(2) 16 in / 410 mm	(2) 28 x 6 in / 700 mm x 150 mm	(2) 32 x 6 in / 800 mm x 150 mm
Recovery System				
Hygienic™ Recovery tank capacity	29 gallon / 110 liter			
Vacuum fan				
Motor	0.6 hp / 0.45 kW			
Stages	3-stage			
Water lift	70 in / 1,780 mm			
Propelling & Power System				
Propel speed (variable to)				
Transport	4.0 mph / 6.4 km/h			
Scrubbing	3.6 mph / 5.8 km/h			
Gradeability (Ramp climb)				
Scrubbing / Transporting (full)	4.0° (7%) / 6.0° (10.5%)			
Trailer ramps (empty)	11° (19.25%)			
Dimensions / Weight / Sound level				
Length	60 in / 1520 mm			
Width				
Scrub head	31.5 in / 800 mm	36 in / 910 mm	32.5 in / 830 mm	36.5 in / 930 mm
Squeegee	33.25 in / 850 mm	39.25 in / 1000 mm	33.25 in / 850 mm	39.25 in / 1000 mm
Height	50 in / 1270 mm			
Net weight				
Less batteries	585 lbs / 265 kg	585 lbs / 265 kg	632 lb / 287 kg	653 lb / 296 kg
With batteries (4) 6V	850 lbs / 386 kg	850 lbs / 386 kg	897 lb / 407 kg	918 lbs / 416 kg
Minimum aisle turn:	68.5 in / 1730 mm	72.5 in / 1840 mm	68.5 in / 1730 mm	72.5 in / 1840 mm
Sound level*** (operator's ear)	67 dBa		69 dBa	
Warranty	Please refer to your local Tennant representative for information.			

* 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

ec-H2O™ is certified to provide high traction by the National Floor & Safety Institute



THE KAIVAC® 1750

EQUIPMENT SPECIFICATIONS

DESCRIPTION

Water Tank	17 Gallons (64,4 l)
Spray Time	17 Minutes
Flow Rate	1 GPM (3,8 l/min)
Pressure	500 psi (34,5 bars)
Vac Tank	17 Gallons (64,4 l)
See-Through Vac Tank	Yes
Dump Hose	26" (66,04 cm) Long
Toilet Dumping	Yes
Vac Tank Cleanout	100%
Method of Dumping	Drain Hose
Vac Motor Lift	130" (330,2 cm)
Vac CFM	112 cfm (3172 l/min)
HEPA Blow Feature	300 mph (482,7 km/h)
DVD Player	Optional
HEPA Filtered Exhaust	Yes - Replaceable

CHEMICAL

Molded-In Chemical Holder	Gallon (2), Quart (1)
Chemical Switching	Dual/Quick Change
Safety Cap System	Yes
Metering Tip Settings	5 Settings

ELECTRICAL

Volts (U.S.)	110 Volt - 60 Hz
Volts (Universal)	100-240V; 50-60Hz
Amps Total	14.5 amp
GFCI	Yes

CORDS AND HOSES

Vac Hose	45 ft. (13,7 m)
Spray Line	45 ft. (13,7 m)
Quick-Connect Gun	Yes
Electric Cord	50 ft. (15 m)
Blow Hose	33 ft. (10 m)

BODY

Rotational Mold	Yes
Removable Engine Compartment	Yes - Black Box Technology
Weight	123 lb. (55,8 kg)
Size (H x L x W)	40" x 28" x 22" (101,6 x 81,3 x 55,9 cm)
Flat-free Non-marking Pneumatic Tires	(2) 8" (20,3 cm)
Casters	(2) 5" (12,7 cm), locking
Stair Climbing Wheels	Yes
Handle	Molded-In
Tray	Molded-In
Parking Brake	Yes

TOOLS INCLUDED

Vac Wand Aluminum	2-Piece
14 Inch Squeegee Head	Yes
Blow Nozzle	Yes
Training Materials	Video and Placard
KaiBrush	Yes
Window Squeegee	Yes
Metering Tip Kit	Yes
KaiDrain	Yes
15 Gallon Tote Bag	Yes

WARRANTY WITH KAIVAC CHEMICAL USAGE*

Body	10 Years
Parts	3 Years
Labor	1 Year

*International warranties may vary.

