



REQUEST FOR QUOTATION

<p>Contact person/Telephone Dinesh Chheda/201-395-3432</p>	<p>Collective# 0000032693 Bid Due Date 03/29/2013 Bids must be received no later than 11:00 AM on the above Bid Due Date.</p> <p>Deliver Goods/Services To: PATH Foot of Cape May Road Harrison NJ 07029</p>
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Quantity	Description	Unit Price	Total
	<p>SUPPLY AND DELIVER ONE (1) NEW CROWN SHR5520-30 3000 LB CAPACITY, 24 VOLT, HEAVY DUTY REACH, WALKIE STACKER PER ATTACHED SPECIFICATIONS AND MUST INCLUDE AT A MINIMUM OF STANDARD ONE YEAR/UNLIMITED HOURS WARRANTY. QUOTE SHOULD ALSO INCLUDE OPTIONAL FEATURES AS NOTED BELOW:</p> <ol style="list-style-type: none"> 1. Built-in Battery Charger 110v 2. Sideshifting fork Carriage 3. 10.5" Load Wheels 4. Battery with a "Minimum Capacity of 250 Amp Hours". <p>IF OFFERING EQUAL, INCLUDE WITH YOUR BID MANUFACTURER'S CUT, PICTURES, SPECIFICATIONS, MSDS AND SUBJECT TO APPROVAL BY PATH.</p> <p>This is a Formal Bid Invitation Mail Sealed Bids to:</p> <p>The Port Authority of NY & NJ Attn: Bid Custodian Procurement Department 2 Montgomery Street, 3rd Floor Jersey City, NJ 07302</p> <p>by the date and time listed above, where it will be publicly</p>		
	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> PAYMENT TERMS </div>	Total Delivered Price	
	PLEASE QUOTE FULLY DELIVERED PRICES		

This Quotation is subject to the terms and conditions set forth on the back page hereof. Bidder is advised to read these before signing.

We have read the instructions and, if favored with an order, we agree to furnish the items enumerated herein at the prices and under the conditions indicated.

Signed _____
 Firm Name _____
 Telephone number _____ Date _____
 Fax Number _____
 Federal Taxpayer ID _____

Bidder
 Must
 Sign
 In
 Two
 Places

NOTICE TO BIDDERS: Unless the following term of assurance that the above offer is irrevocable is signed, the offer submitted herein shall not be deemed to be complete.

The foregoing offer shall be irrevocable for 90 days after the date on which The PORT AUTHORITY TRANS-HUDSON CORPORATION opens this proposal.

Signed _____ Date _____
 Firm Name _____



REQUEST FOR QUOTATION

Bid Due Date
03/29/2013

Quantity	Description	Unit Price		Total	
	<p>opened and read.</p> <p>Bids are only accepted Monday through Friday, excluding Port Authority holidays, between the hours of 8 A.M. & 5 P.M., via regular mail, express delivery service or hand delivery.</p> <p>If you do not use or have an envelope provided, you must clearly mark the outside envelope/package with 'BID ENCLOSED' and show the company name, address, as well as Bid number and Due date as stated on this bid document.</p> <p>A valid photo id is required to gain access into the building, to attend the bid opening or hand deliver a bid.</p> <p>A price preference of 10 % is available for NY/NJ Minority and Women Business Enterprises (M/WBE) or 5% for NY/NJ Small Business Enterprises (SBE) certified by the Port Authority (PA) by the day before bid opening for awards not exceeding \$1,000,000. My firm was certified as a _____ on _____.</p>				
1 EA	<p>SUPPLY AND DELIVER WALKIE STACKER</p>				
	<p>PLEASE QUOTE FULLY DELIVERED PRICES</p>			<p>Total Delivered Price</p>	

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TERMS AND CONDITIONS

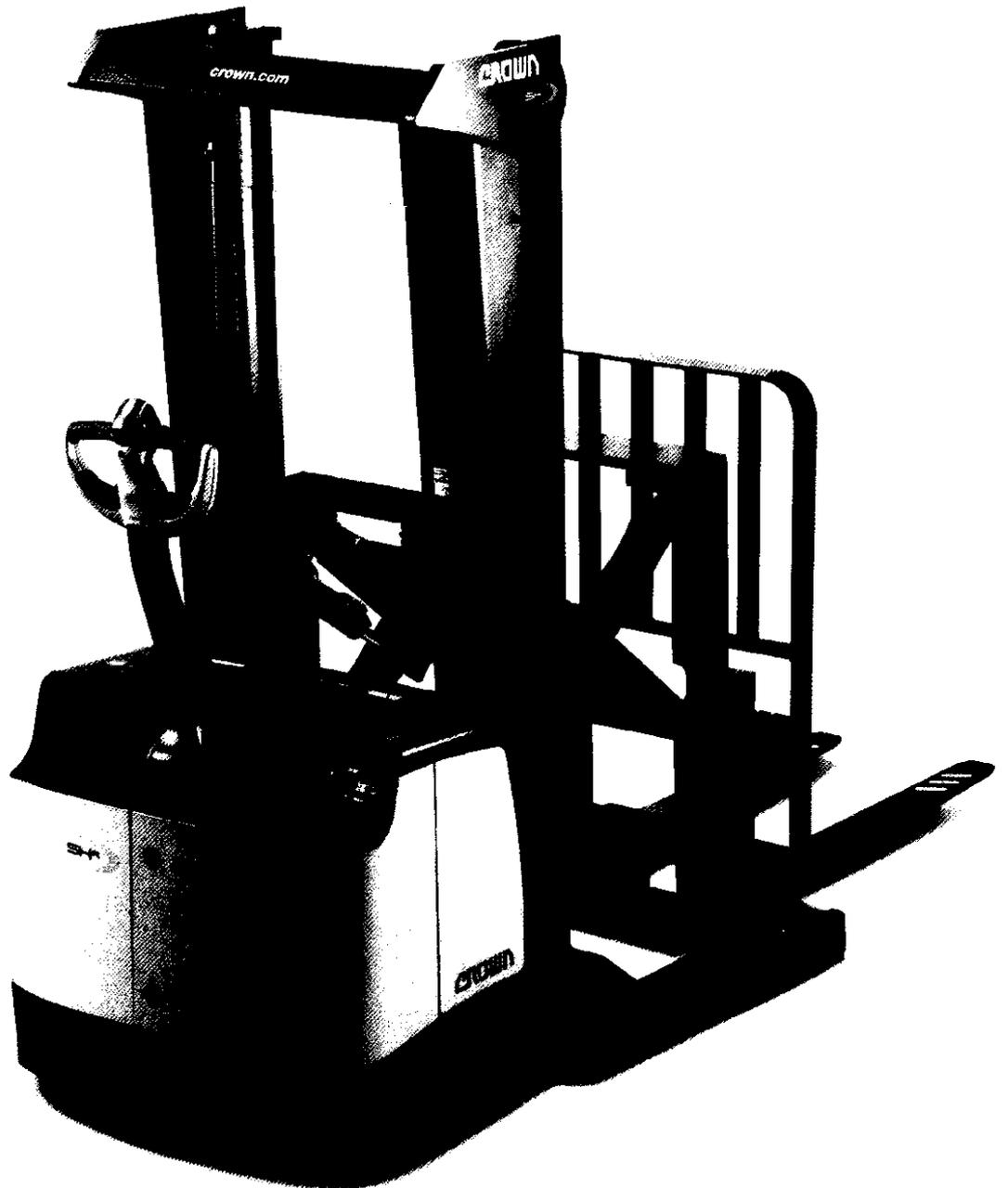
1. The Port Authority (PA) reserves the right to request information relating to seller's responsibility, experience and capability to perform the work.
2. Unless otherwise provided, complete shipment of all items must be in one delivery FOB delivery point. Payment will not be made on partial deliveries unless authorized in advance by the party to be charged and the discount, if any, will be taken on the total order.
3. PA payment terms are net 30 days. Cash discounts for prompt payment of invoices may be taken but will not be considered in determining award, except in the case of tie bids.
4. Separate unit and total FOB delivered prices must be shown.
5. Sales to the PA and to PATH are currently exempt from New York and New Jersey State and local taxes and generally from federal taxation. The seller certifies that there are no federal, state, municipal or any other taxes included in the prices shown hereon.
6. The PA shall have the absolute right to reject any or all proposals or to accept any proposal in whole or part and to waive defects in proposals.
7. Unless the phrase "no substitute" is indicated, bidder may offer alternate manufacturer / brands, which shall be subject to Port Authority approval. Please indicate details of product being offered with bid.
8. Acceptance of seller's offer will be only by Purchase Order Form signed by the PA. No change shall be made in the agreement except in writing.
9. If the seller fails to perform in accordance with the terms of this purchase order, the PA may obtain the goods or services from another contractor and charge the seller the difference in price, if any, a reletting cost of \$100, plus any other damages to the PA.
10. Upon request, sellers are encouraged to extend the terms and conditions of any terms agreement with the PA to other government and quasi-government entities by separate agreement.
11. By signing this quotation or bid, the seller certifies to all statements on Form PA 3764A regarding non-collusive bidding; compliance with the PA Code of Ethics; and the existence of investigations, indictments, convictions, suspensions, terminations, debarments and other stated occurrences to assist the PA in determining whether there are integrity issues which would prevent award of the contract to the seller. The PA has adopted a policy set forth in full on PA 3764A, that it will honor a determination by an agency of the State of New York or New Jersey that a bidder is not eligible to bid on or be awarded public contracts because the bidder has been determined to have engaged in illegal or dishonest conduct or to have violated prevailing wage legislation. The Terms and Conditions of PA 3764A apply to this order. A copy can be obtained by calling (201) 395-3405 or at <http://www.panynj.gov/business-opportunities/become-vendor.html>
12. The vendor may subcontract the services or use a supplier for the furnishing of materials required hereunder to such persons or entities as the Manager, Purchasing Services may from time to time expressly approve in writing. All further subcontracting shall also be subject to such approval.
13. The successful bidder (vendor) shall not issue nor permit to be issued any press release, advertisement, or literature of any kind, which refers to the Port Authority or that goods will be, are being or have been provided to it and/or that services will be, are being or have been performed for it in connection with this Agreement, unless the vendor first obtains the written approval of the Port Authority. Such approval may be withheld if for any reason the Port Authority believes that the publication of such information would be harmful to the public interest or is in any way undesirable.

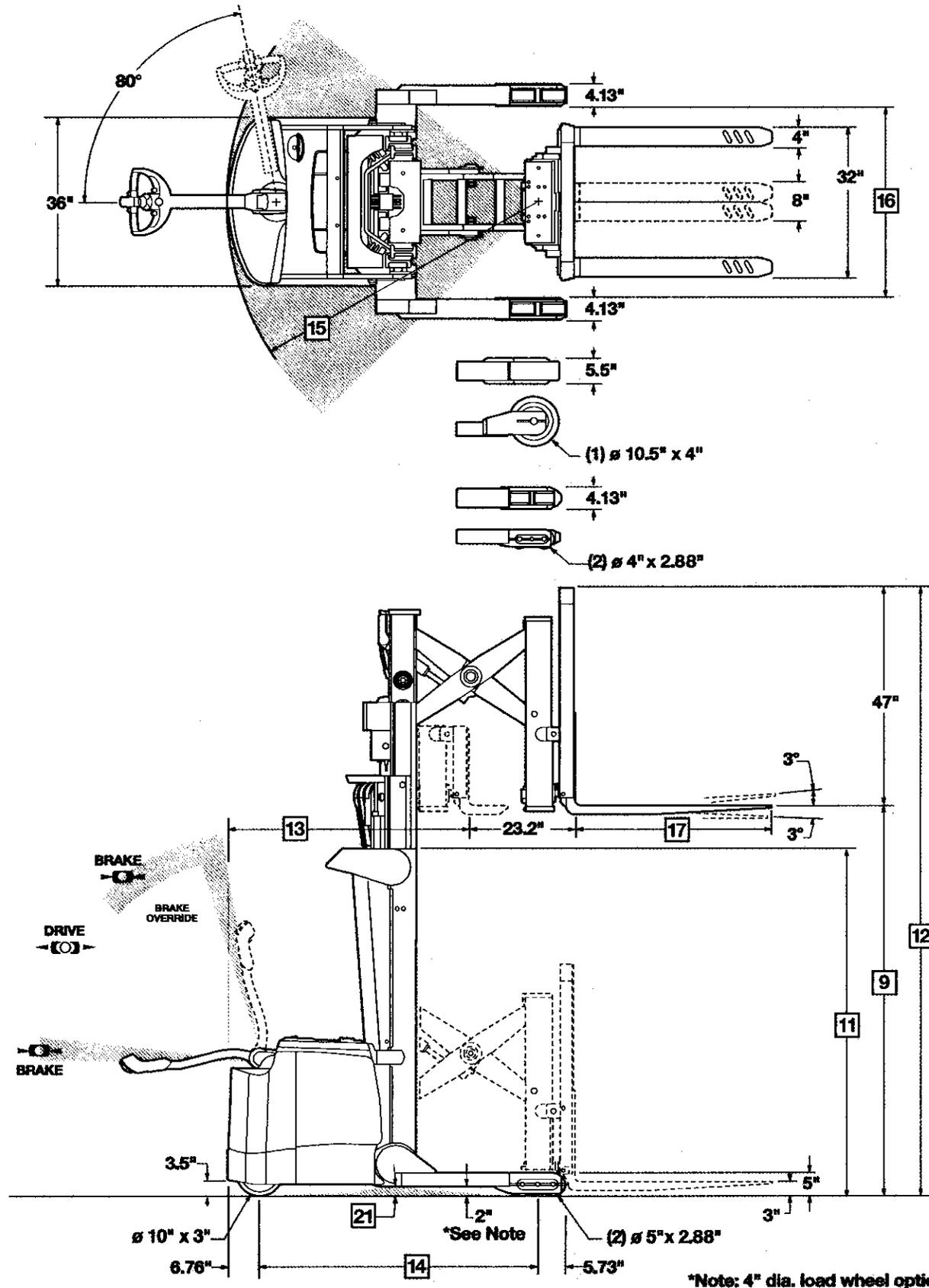
CROWN

SHR 5500 SERIES

Specifications

Heavy-Duty Walkie
Reach Stacker





SHR 5500 Series

Specifications

General Information	1	Manufacturer	Crown Equipment Corporation				
	2	Model	SHR 5520-25	SHR 5520-30	SHR 5540-35		
	3	Load Capacity	lb	See Chart	See Chart	See Chart	
	4	Load Center	in	24	24	24	
	5	Power	Electric	24 Volts	24 Volts	24 Volts	
	6	Operator Type	Walkie	Reach Stacker	Reach Stacker	Reach Stacker	
	7	Tire Type	Load/Drive	Poly/Vulkolan	Poly/Vulkolan	Poly/Vulkolan	
	8	Wheels (x=driven)	Load/Drive	4/1x	4/1x	4/1x	
Dimensions	9	Lifting Height	in	See Chart	See Chart	See Chart	
	13	Head Length*	in	44	44	50.5	
	14	Wheelbase	in	52.7	52.7	59.2	
	15	Turning Radius	in	59.4	59.4	65.9	
	16	Inside Straddle	in	34 - 50 inches in 2" increments			
Performance	17	Forks	Standard LxWxT	in	36 x 4 x 1.5	36 x 4 x 1.5	36 x 4 x 1.75
			Optional Lengths	in	30, 39, 42, 45, 48, 54, 60		
	18	Travel Speeds	Empty/Loaded	mph	3.7 / 3.4		
	19	Lift Speeds	Empty/Loaded	fpm	48.4 / 29.5		
	20	Lowering Speeds	Empty/Loaded	fpm	50 / 50		
21	Grade Clearance	** 4" / 5" & 10.5"	%	9 / 17	9 / 17	8 / 15	
	22	Battery	Min Weight/Max Amp		510 / 300	510 / 300	975 / 660
			Max Battery Size WxLxH		6.62 x 34.37 x 24.8	6.62 x 34.37 x 24.8	13.12 x 31.10 x 24.8
Cable Lead Length/Connector Position					20" / B		

* Add 2.1" for Side Shift

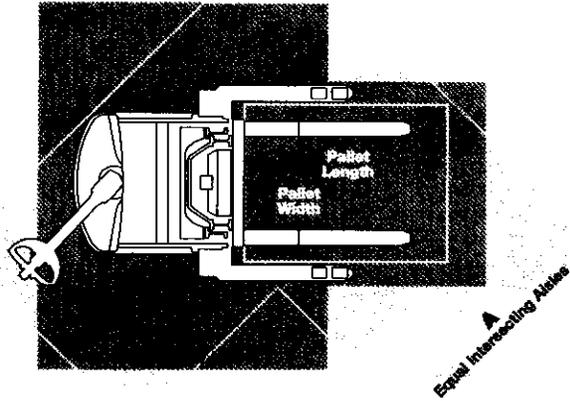
** Load Wheel Size

Mast and Weight	Mast Type		TL - Limited Free Lift		TT - Triple Telescopic			
	9	Lifting Height	in	127.5	150.5	156	192	
	3	Load Capacity	SHR 5520-25	lb	2500	2500	2500	na
			SHR 5520-30	lb	3000	3000	3000	na
			SHR 5540-35	lb	3500	3500*	3500	3500**
	10	Free Lift	with LBR	in	6	6	28	42
	11	Collapsed Height		in	83.5	95.5	75	89
	12	Extended Height	with LBR	in	175	198	204	240
	23	Min ID Straddle Width		in	34	34	34	42
	24	Truck Weight w/o Battery***	SHR 5520-25	lb	3585	3690	4130	na
SHR 5520-30			lb	4100	4205	4650	na	
SHR 5540-35			lb	4055	4160	4600	4735	

*Up to 127", 3350 lb at 150.5"

**Up to 156", 2500 lb at 192"

***Add 105 lb for Side Shift



SHR 5520

Pallet Width	Pallet Length									
	30		36		40		42		48	
	A	B	A	B	A	B	A	B	A	B
36 in	62	78	62	81	62	87	62	89	63	96
40 in	65	78	65	81	65	87	65	90	65	97
42 in	66	78	66	81	66	87	66	90	66	97
48 in	69	79	69	81	69	88	69	91	70	98

SHR 5540

Pallet Width	Pallet Length									
	30		36		40		42		48	
	A	B	A	B	A	B	A	B	A	B
36 in	66	83	66	86	66	92	66	94	66	102
40 in	68	83	68	86	68	92	68	95	68	102
42 in	69	84	69	87	69	93	69	95	69	103
48 in	72	84	72	87	72	93	72	96	73	104

A = Equal Intersecting Aisles
 B = Right Angle Aisles

Add 2.5" if side shift option is used.
 Add 6" to 12" to all aisle dimensions for maximum maneuverability.

Capacity

Model SHR 5520-25: 2500 lb at 24" load center
 Model SHR 5520-30: 3000 lb at 24" load center
 Model SHR 5540-35: 3500 lb at 24" load center

Maximum Battery Size

SHR 5520-25: 6.62" wide x 34.37" long x 24.8" high – up to 300 amp hours, 24 volts
 SHR 5520-30: 6.62" wide x 34.37" long x 24.8" high – up to 300 amp hours, 24 volts
 SHR 5540-35: 13.12" wide x 31.10" long x 24.8" high – up to 660 amp hours, 24 volts

Standard Equipment

- 24-volt electrical system
- Crown's Access 1 2 3[®] Comprehensive System Control
- Access 1 2 3 display
 - Eight-character scrolling display, 5 button access
 - Three selectable performance levels
 - BDI with lift interrupt
 - Five hour meters
 - Event codes
 - Access 1 2 3 diagnostics with real time troubleshooting
 - PIN code capability
- AC traction and steer motors

- Performance enhancing features
 - X10[®] Handle (tilt and reach standard)
 - Brake override
 - Electronic power steering
 - Ramp hold and speed control
 - Power boost
 - High-visibility mast and carriage
 - Low profile power unit
 - Tool storage tray
- Wire mesh guard - mast
- Volkolan drive tire – 10" dia. x 3" wide
- Polyurethane load wheels – 5" dia. x 2.88" wide
- InfoPoint[®] System
- Steel power unit covers
- 32.8" wide x 47" tall load backrest
- Emergency power disconnect
- Key switch
- Horn
- SB175 gray battery connector
- Reversing button
- Electric park brake
- Fork tip indicators
- Battery compartment rollers

Optional Equipment

- 30 amp on-board charger (6.62" battery box)
- Keyless on-off switch
- Work Assist[™] Accessories:
 - Clip pad
 - Hook
 - Clip pad and hook
 - Pocket
 - Fan
- Sideshift with internal hosing 4" sideshift each direction
 Reduces capacity 300 lb
- Optional fork lengths (30", 39", 42", 45", 48", 54", 60")
- Freezer conditioning (Continuous -30° C / -22° F)
- Plexiglass safety shield
- 10" dia. x 4" wide drive tire
 - Soft poly
 - Siped soft poly
- Polyurethane load wheels
 - 4" dia. x 2.88" wide (1" under clearance below outriggers)
 - 10.5" dia. x 4" wide
- InfoLink[®] ready
- SBE 160 battery connector

Technical Information

Operator Controls

Crown's robust X10 handle places all control buttons in the optimum position for ease of operation with either hand and to minimize hand and wrist movements. An ergonomic forward/reverse thumb wheel allows for precise maneuvering. The control hand grips are urethane covered for insulation from cold and vibration with integrated horn buttons for easy activation. The handle contains a safety button which reverses the direction of the truck should the button touch the operator.

The physical efforts to hold the handle at a comfortable height was minimized to reduce fatigue.

A rabbit/turtle switch incorporates two levels of programmable travel performance so operators can select the setting that matches their experience level or application requirements.

Exclusive brake override feature allows slow speed travel with the handle near vertical. This feature improves maneuverability in tight areas.

Performance

The SHR 5500 Series incorporates the latest generation AC drive system enhanced with Access 1 2 3 technology. Crown's Access 1 2 3 technology continuously monitors truck systems and adjusts system parameters to deliver optimum performance and control. The Access Display provides a convenient interface for operators keeping them informed of any changes impacting truck performance and allowing them to choose from three performance profiles when enabled.

Programmable performance settings enable authorized personnel to tune the lift truck to different operator skill levels, or to meet specific application requirements. In addition, up to 25 PIN codes can be assigned to individual operators and matched to one of the pre-programmed performance profiles if desired.

Electronic power steering allows the operator to maneuver heavy loads in tight spaces throughout the day while minimizing fatigue. Smooth travel and lift performance combine with excellent controls provided by the X10 handle to increase productivity.

The SHR 5500 Series features ramp hold and speed control to improve operation on small inclines or ramps. The ramp hold feature uses the motor to prevent truck movement when the brake is released and no travel command is present. The ramp speed control feature insures that actual travel speed matches requested travel speed. If the truck encounters an obstacle, a power boost feature delivers up to 15 percent more power than normally available for a full three seconds to overcome the obstruction.

Electrical System

A heavy-duty 24-volt fused electrical system utilizes microprocessor controls for maximum energy efficiency, reduced maintenance and infinite speed control capability.

Access control modules for travel, lift and steer are sealed from dirt, dust and moisture for trouble-free operation. All contactors have been eliminated except for the main line contactor. A 175 amp battery connector with disconnect handle is standard.

Hydraulic System

Heavy-duty hydraulic motor (4.8 kw) is transistor controlled and matched with a gear type pump selected for optimum lift performance and low noise. Single-speed lift with programmable acceleration - deceleration and programmable two-speed lowering enables customization to match operator preference or application requirements.

Cylinder rods are hard-plated chrome with polyurethane seals. Relief valve tuned to capacity protects all components in the hydraulic system. Reservoir incorporates an in-tank 10 micron return filter for removing debris from oil.

Drive Unit / Brake

Heavy-duty gearbox with helical spur input gear for quiet operation.

Regenerative motor braking is activated under a downhill condition, during plugging or when the directional control is returned to neutral. An electro-magnetic brake, spring applied and electrically released, is mounted on top of the drive motor. The electro-magnetic brake serves as the parking brake and applies when the control handle position moves from the operating zone to brake zone during truck operation.

Power Steering

Electronic power steering is provided by a heavy-duty AC motor that pivots the drive unit when steer tiller movement is detected.

Mast

High visibility two and three-stage mast design with angled cross bracing and lift cylinders located behind nested I-beams provides maximum visibility for load positioning and placement. Crown's staging cushions coupled with lowering dampers ensure smooth operation.

Rolled steel outer mast channels and inner I-beams roll on canted, steel, anti-friction roller bearings for minimal current draw and long life. Mast and chain rollers are sealed and lubricated for life. Telescoping mast sections nest to reduce truck length. Heavier mast cross bracing design increases stiffness.

Reach Mechanism

An exclusive reach mechanism design provides unmatched visibility at all rack levels.

Serviceability / Durability

The Access display simplifies service for technicians by providing advanced diagnostics without the need for separate handsets. The display allows the technician to view event service codes and truck hours when event occurred, perform system calibrations or functional tests of components, and make necessary adjustments. Crown's InfoPoint System compliments Access 1 2 3 diagnostics by providing a Quick Reference Guide, on-truck component maps and information nuggets to further simplify troubleshooting. All wiring is color coded.

Removable steel power unit doors are hinged for ease of opening providing excellent accessibility to the distribution panel and all other components. Steel covers provide added protection to critical internal components.

Removable steel battery covers and hinged cover allow easy access to the battery. Battery removal can be accomplished from either side. Battery compartment rollers are standard.

The X10 handle incorporates a vacuum die cast process using high-grade aluminum and benefits from structural webbing for maximum strength and durability.

Other Options

1. Amber strobe light
2. Travel alarm: reverse, forward or both

Safety considerations and dangers associated with audible travel alarms and strobe lights include:

- Multiple alarms and/or lights can cause confusion.
- Workers ignore the alarms and/or lights after day-in and day-out exposure.
- Operator may transfer the responsibility for "looking out" to the pedestrians.
- Annoys operators and pedestrians.

Dimensions and performance data given may vary due to manufacturing tolerances. Performance is based on an average size vehicle and is affected by weight, condition of truck, how it is equipped and the conditions of the operating area. Crown products and specifications are subject to change without notice.