

Utilities

100 Edenway, White House, TN, 37188
Phone: 800-672-4911 Fax: 615-672-0733

7/28/2006

Quote Number: 61810003

Tallahassee Electric Operation

2602 Jackson Bluff Rd
Tallahassee FL 32301

Attention: Terry Lowe

Phone: 850-891-5531

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Qty.	Description
1	<p>One (1) new Terex-Utilities Hi-Ranger 5FC-55 aerial device. 55.6 ft. non-overcenter insulated aerial device offering a working height of 60.6 ft. and 37.6 ft. of horizontal reach.</p> <p>Design Criteria: * Terex Utilities aerial devices are designed in accordance with current industry and engineering standards applicable and accepted for structural and hydraulic design.</p> <p>Control System: * A power assist control system is used to control all boom functions: lower boom, upper boom, and rotation.</p> <p>Upper Controls: * An all-weather Terex-Telect Hi-Ranger "3D" single stick control with hydraulic enabling lever. * Controls the upper boom, lower boom, and rotation.</p> <p>Lower Controls: * Individual control levers are provided and located in an accessible location on the side of the turntable. * The lower controls activate lower boom, upper boom, and rotation. * Lower controls are capable of fully overriding the platform controls and will operate even if the upper controls are damaged or severed.</p> <p>Engine Throttle Advance: * An automatic two speed engine throttle control is provided. The engine advances to a pre-set speed when needed for boom movement or outriggers.</p> <p>Platform Leveling: * Provided by a leveling system utilizing hydraulic cylinders, wire cable, roller chain, and fiberglass rods contained within the booms. * This system meets dielectric requirements per ANSI A92.2.</p>

Description

Lower Boom:

- * Constructed of high strength, rectangular steel tube with a rectangular bi-axial epoxy resin filament wound, high strength fiberglass insert providing an insulation gap of 18 in.
- * The lower boom articulation is from 0 to 102 degrees using one (1) double acting hydraulic cylinder, equipped with two (2) integral holding valves. The lower boom is supported when stored by a boom rest.

Upper Boom:

- * Constructed of high strength steel with a rectangular filament wound fiberglass boom.
- * The upper boom is articulated via one (1) single acting hydraulic cylinder, equipped with one (1) integral holding valve.
- * The aerial device upper boom has an articulation of up to 171 degrees (maximum of 69 degrees above horizontal).
- * The upper boom is supported, when stored, by a padded boom rest with tie down.
- * Upper boom insulation of 20.3 ft.

Boom Compensation System:

- * This system maintains the angle of the upper boom while the lower boom is articulated.
- * The upper boom can also be articulated independently. Boom compensation is done via hydraulic cylinders.

Lift Cylinders:

- * Lower and upper boom cylinders are equipped with integral holding valves and are structurally designed with a minimum burst factor of 4 to 1.
- * Emergency release screws are provided on the holding valves to permit lowering of the booms in the event of system failure.

Boom Interlock:

- * To operate the boom the outriggers must be extended.

Pedestal And Turntable:

- * The pedestal is of welded high-strength steel construction and designed with access holes for maintenance of hydraulic plumbing.
- * The top and bottom plate bearing surface is machined after welding to maintain a flat mounting surface for the rotation bearing.
- * The turntable is constructed of fabricated steel.
- * To protect the lower control valve and palm button, a steel guard is attached to the turntable.

Continuous And Unrestricted Rotation:

- * A Terex Telelect designed and manufactured hydraulic rotary manifold provides a rotating oil distribution system for continuous and unrestricted rotation.
- * One 3/8 inch hydraulic port is available for options.
- * Self locking worm gear rotation drive is provided and equipped with bi-directional motor.
- * A 7/8 inch external hex shaft allows for manual rotation.

Description

Rotation Bearing:

- * The rotation bearing is a heavy duty "shear ball" bearing with external teeth utilizing polished alloy steel balls.
- * Both the inner and outer races are made from high-strength alloy steel and are heat treated to provide maximum life.
- * High strength grade 8 bolts attach the inner and outer races to the pedestal and turntable.

ANSI Rating:

- * Aerial device is designed as a Category C machine and is dielectrically tested and certified for operation up to 46,000 volts AC per ANSI A92.2.

Hydraulic System:

- * The hydraulic system is a closed-center, parallel-circuit system.
- * System operating pressure is 2100 PSI.
- * An 32 gallon hydraulic oil reservoir is provided with a 200 mesh filler neck filter.
- * The system also includes a suction screen, high pressure filter, 10 micron return filter and shut off valve.
- * Hydraulic hoses are equipped with permanent type hose ends.

Miscellaneous:

- * All metallic components of the complete aerial device are prime painted.
- * The fiberglass upper boom, fiberglass lower boom insert, fiberglass platforms, and fiberglass covers are white.
- * Two sets of manuals, including operation and maintenance procedures, and a replacement parts listing, are provided.
- * Warning decals are provided with unit.

1 Platform 24" x 48" x 42":

- * One end mounted fiberglass platform with a rated capacity up to 700 lbs..
- * Includes two (2) outside access steps with a slip-resistant surface.
- * Safety harnesses with lanyards and built in 'D' ring lanyard attachment is provided.

1 Insulated Platform Liner For 24" x 48" x 42" Platform:

- * Certified at 50 KV AC.

1 Platform Scuff Pad For 24" x 48" Platform:

- * Non-skid standing surface.

1 Vinyl Platform And Control Cover For 24" x 48" Platform:

- * Waterproof with internal elastic cord around edge and external elastic cord around control cover.

1 Tubular Rubber Platform Rest:

- * Provides platform support during road travel

1 Power take off, 10-bolt, with indicator light for Allison MD automatic transmission.

1 Subframe for 120" CA.

Description

2 Heavy Duty A-Frame Outriggers:

* Hydraulic double acting outriggers including integral holding valves.

* 144.4 " spread pin to pin and 155.9 " to outside of pads at 8 " penetration and 42 " frame height.

* 13 " x 12 " swivel type stabilizer pads.

1 Controls For 2-Sets OF Outriggers:

* Recessed at rear of truck each side for ease of view for outrigger placement.

UTILITY BODY

1 LLB168 Utility Line Body:

A Dimensions

-168" overall length

-94" outside width

-58" bed width

-28" floor to top of body

-18" compartment depth

-46" compartment height

-24" horizontal compartment height

B. Compartmentation - Street Side

-First Vertical (30") - 5 material hooks (1-3-1)

-Second Vertical (30") - 2 adjustable shelves with 5 adjustable dividers each

-Third Vertical (30") - 2 adjustable shelves with 5 adjustable dividers each

-Horizontal (54") - 8 adjustable dividers in compartment bottom

-Rear Vertical (24") - 5 material hooks (1-3-1)

C. Compartmentation - Curb Side

-First Vertical (30") - 5 material hooks (1-3-1)

-Second Vertical (30") - access steps to cargo area

-Third Vertical (30") - 2 adjustable shelves with 5 adjustable dividers each

-Horizontal (54") - 1 adjustable shelf with 8 adjustable dividers

-Rear Vertical (24") - 5 material hooks (1-3-1)

D. Features

-Full length shelf in top of street side compartments with rear drop door

-Wheel chock storage (2) each side in wheel wells

-16-gauge A60 double-sided galvanized coated steel body exterior

-18/16-gauge A60 double-sided galvanized coated steel door panels

-12-gauge treadplate floor

-12-gauge treadplate compartment tops

-Rotary door latches and full-length stainless steel rod door hinge

-Chain stops on doors and includes automotive bulb-type door seals

1 **Bridge frame and floor and installation of the subframe and outriggers.**

1 **Tail shelf 30" long with 12-gauge treadplate top and full side skirts.**

2 Grab handle for stair type side access steps.

* Located at the side front access.

1 Pool type pipe grab rail for tailshelf or rear of flatbed.

Located at each side rear of tailshelf.

- 3 Description
Cable type gripstrut stirrup step.
* (1) located at the side access
* (2) located at the rear access
- 1 **Access steps mounted on command post.**
- 1 **Access steps to command post or platform.**
- 4 Outrigger pad storage brackets.
* Under each body side front and rear of axle.
- 1 **Integral wiring and switches in International chassis for electrical accessories (Diamond Logic).**
- 1 **Set chassis parameters.**
- 1 **One pair of mud flaps.**
- 1 **DOT Inspection.**
- 1 Peterson LED 7-lamp DOT Lighting Package:
* Complies with FMVSS 108
* Includes required lights, junction box, wiring harness and mounting light bar.
- 1 **Amerex 5-lb ABC fire extinguisher with bracket.**
- 1 James King triangle reflector kit.
* In the front bin.
- 1 **Orion flare kit with holder.**
- 1 Paint line body one color.
* White to match cab.
- 1 Paint body floor with non-skid paint.
* Black
- 1 **Paint derrick one color.**
- 1 Paint aerial device one color.
* White to match cab.

Grand Total:	\$65,343.00
FET Tax	\$0.00
Grand Total	\$65,343.00

Options:

Remote engine stop / start control from rear of vehicle. Add \$483.00

Braden PD18C-11 DB FEB Hydraulic Planetary Front Mounted Bumper Winch Including: \$5,924.00

- * 20,000-lb rated capacity.
- * Extended shaft to curb side for take-up reel.
- * Four way roller assembly.
- * 200' of 1/2" 6x19 wire rope with eye.
- * Upper and lower winch line guards.
- * Safety tread plate installed around winch.
- * Winch valve, air actuator, miscellaneous hose and fittings.

Braden AHGU5 Hydraulic Two Speed Low Mount Rear Mounted Winch Including: \$5,745.00

- * 20,000-lb rated capacity.
- * Extended shaft to curb side for take-up reel.
- * Four way roller assembly.
- * 200' of 1/2" 6x19 wire rope with eye.
- * Upper and lower winch line guards.
- * Safety tread plate installed around winch.
- * Winch valve, air actuator, miscellaneous hose and fittings.

Winch control installed at front bumper. \$388.00

Braden PCD24B Hydraulic Capstan Drive: \$3,758.00

- * 20,000-lb rated capacity.
- * Spring applied hydraulically released parking brake.

Dual Hydraulic Tool Outlets At Platform: \$854.00

- * Installed at the platform to accommodate two closed center hydraulic tools.
- * Shut off valve at platform and base.

Winch control installed in chassis cab. \$388.00

Auxiliary Let Down: \$795.00

- * Allows for the descent of the boom (platform) in the most direct manner for a time limited by the duty cycle of the electric motor.

Dica 18" x 18" poly outrigger pads. \$89.00

Controls For 2-Sets Of Outriggers And Auxiliary Tool Outlets: \$876.00

- * Recessed at rear of truck each side for ease of view for outrigger placement.

Laminated wood outrigger pad 24" x 24" x 2-1/4" with rope handle. \$141.00

Rubber wheel chocks with eye bolt. \$40.00

Level indicator, pointer type. \$36.00

Add

\$417.00

1-rl5 5 ton pintle hook:

- * Safety chain eyes.
- * Chassis frame reinforcements.
- * Standard height..

Midland 7-prong trailer socket.

\$124.00

Midland 6-prong trailer socket.

\$123.00

CR reel storage bracket.

\$326.00

Buyer Products tow hooks, one pair.

\$327.00

Single Conductor Wire Holder (A.B. Chance):

\$620.00

- * Designed for lifting and holding up to 1.5 in. single line conductors.
- * Can be easily exchanged with jib sheave head.

Stanley Crimping Tool# CT100016N

\$1,677.00

* Terex Utilities Part# STNCT10016N

Collapsible Take-up Reel:

\$706.50

- * 4,000-lb maximum pulling force.
- * 20" diameter, 28" overall..
- "-ayonet style socket fits 2-7/16" shaft.

Bumper Markers

\$69.00

* Terex Utilities Part # BA30066

Hannay spring loaded hydraulic hose reel with 4-way roller assembly.

\$761.00

Aerial Bucket Rescue Kit

\$442.00

* Terex Utilities Part# FA30030

Master door rod lock system.

\$202.00

Reading Body in lieu of Terex Utilities Standard Body

\$2,338.00

* 168 " Line Body

Compartment With Side Drop Down Door:

\$675.00 ea.

- * 12-gauge tread plate top.
- * 18'W x 18"H x 36"L..
- * Equipped with rotary paddle latch and chain stops.

Compartment With Side Drop Down Door:

\$747.00 ea.

- * 12-gauge tread plate top.
- * 18'W x 18"H x 60"L..
- * Equipped with rotary paddle latch and chain stops.

Add

\$915.00 ea.

Compartment With Side And End Drop Down Doors:
* 12-gauge tread plate top.
* 18"W x 18"H x 36"L.
* Equipped with rotary paddle latch and chain stops.

\$962.00 ea.

Compartment With Side And End Drop Down Doors:
* 12-gauge tread plate top.
* 18"W x 18"H x 60"L.
* Equipped with rotary paddle latch and chain stops.

\$976.00 ea.

Compartment With Two Side Drop Down Doors:
* 12-gauge tread plate top.
* 18"W x 18"H x 60"L.
* Equipped with rotary paddle latch and chain stops.

\$1,105.00 ea.

Compartment With Two Side Drop Down Doors:
* 12-gauge tread plate top.
* 18"W x 18"H x 120"L.
* Equipped with rotary paddle latch and chain stops.

\$1,175.00 ea.

Compartment With Two Side Drop Down Doors And One End Drop Down Door:
* 12-gauge tread plate top.
* 18"W x 18"H x 60"L.
* Equipped with rotary paddle latch and chain stops.

\$1,273.00 ea.

Compartment With Two Side Drop Down Doors And One End Drop Down Door:
* 12-gauge tread plate top.
* 18"W x 18"H x 120"L.
* Equipped with rotary paddle latch and chain stops.

\$561.00 ea.

Compartment With Top Opening Lid:
* 12-gauge tread plate top.
* 18"W x 18"H x 36"L.
* Equipped with cam-action hasp and chain stops.

\$617.00 ea.

Compartment With Top Opening Lid:
* 12-gauge tread plate top.
* 18"W x 18"H x 60"L.
* Equipped with cam-action hasp and chain stops.

\$786.00 ea.

Compartment With Top Opening Lid:
* 12-gauge tread plate top.
* 18"W x 18"H x 120"L.
* Equipped with cam-action hasp and chain stops.

\$1,001.00 ea.

Compartment With Two Split Top Opening Lids:
* 12-gauge tread plate top.
* 18"W x 18"H x 120"L.
* Equipped with cam-action hasp and chain stops.

Add
\$1,001.00 ea.

Compartment With Two Overlapping Top Opening Lids:

- * 12-gauge tread plate top.
- * 18"W x 18"H x 120"L.
- * Equipped with cam-action hasp and chain stops.

\$851.00 ea.

Compartment With Top Opening Lid And One End Drop Down Door:

- * 12-gauge tread plate top.
- * 18"W x 18"H x 60"L.
- * Equipped with rotary paddle latch and cam-action hasp and chain stops.

\$962.00 ea.

Compartment With Top Opening Lid And One End Drop Down Door:

- * 12-gauge tread plate top.
- * 18"W x 18"H x 120"L.
- * Equipped with rotary paddle latch and cam-action hasp and chain stops.

\$723.00 ea.

Compartment With End Drop Down Door:

- * 12-gauge tread plate top.
- * 18"W x 18"H x 60"L.
- * Equipped with rotary paddle latch and chain stops.

\$834.00 ea.

Compartment With End Drop Down Door:

- * 12-gauge tread plate top.
- * 18"W x 18"H x 120"L.
- * Equipped with rotary paddle latch and chain stops.

\$748.00 ea.

Compartment With Side Vertical Door:

- * 12-gauge tread plate top.
- * 24" W x 18"D x 46" H.
- * Equipped with rotary paddle latch and chain stops.

\$236.00

Dual Hose Assembly For Hose Reel:

- * 35' of 1/2" ID hose
- * Parker HTMA male and female flush faced couplers and dust covers.
- * Installed on hose reel with ball stop.

Hannay spring rewind grounding reel.

\$943.00

Manual Ground Reel

- * Terex Utilities Part # FA2000 1

\$622.00

Horizontal enclosed ladder box with rubber covered rear roller:

- * 16-gauge construction.

\$462.00

Flag Holder

- * FOP 10067

\$114.00

12 Volt Power Outlet

\$134.00

..lleTape Driver M15

(Includes Torque Wrench, Reel, and 1,500ft of Mule Tape)

\$4,295.00

Preco 3414AQ amber strobe light with 4" lens and mounting bracket.	Add \$501.00
Preco BG4240 branch guard for 4" strobe.	\$73.00
Golight 7900 spotlight with wireless remote.	\$469.00
Whelen Strobe Light Model L32L Super LED	\$418.00
Whelen 500 Series Tir Super Led * Whelen Part #50C003ZAR	\$310.00
Unity AG-R-H halogen 6" spotlight with mounting bracket..	\$219.00
VISTA strip compartment light..	\$700.00
Go Light #2067 * Terex Utilities Part #LA75003	\$343.00
Whelen Far Strobe Lights * Part # 50 A-OO-Far Strobe Lights	\$157.00
Dimensions 1200 Watt Inverter * Terex Utilities part # FA26002	\$1,126.00
Bracket for storing grounding cable.	\$166.00
Ground Cable Black 1/0: * 50' of copper cable, three grounding lugs and grounding clamp. * Three point grounding system for grounding vehicle during work operations. * Cable must be fully removed before use.	\$139.00
Ground Cable Black 2/0: * 50' of copper cable, three grounding lugs and grounding clamp. * Three point grounding system for grounding vehicle during work operations. * Cable must be fully removed before use.	\$188.00
Reflective Tape * Terex Utilities Part # LA20035	\$108.00
Redi-Line DA12L electric generator, 1600W, 120VAC, 15A.	\$1,304.00
Stanley Pole Tamp * Terex Utilities part #STNT A541 03	\$989.00
Paint premium for yellow, orange or red color.	\$753.00
Tekonsha Voyager electric brake control.	\$252.00
Hour meter for power take off engagement time or engine hours, specify.	\$85.00

One pair of rubber dock bumpers at rear.	Add \$115.00
Possum belly door at rear.	\$174.00
Ice Chest Bracket	\$203.00

Notes:

1. Prices are FOB Shipping Point, delivery prepaid and included.
2. Prices exclude any applicable taxes or license fees.
3. Federal Excise Tax has not been included. A current ex-emption/resale certificate must be on file and provided with purchase order for tax exempt sale. Federal Excise Tax will be added if certificate is not supplied with order.
4. Terms: Net 10 days with pre-approved credit.
5. Chassis payment is due upon chassis receipt at our facility.
6. Quotation good for 30 days. Contact us for a possible extension if required.
7. Chassis requires clean frame rails, side and top. Relocation of chassis components, to facilitate equipment installation, will be in addition to above quoted price.
8. Terex Telelect is ISO 9001 :2000 Certified.

Terex Utilities South – White House

Order Coordinator—Josh Fawley**Account Manager –Charlie Mathews****Accepted By:**

PO Number: _____**Date:** _____

One pair of rubber dock bumpers at rear.	Add \$115.00
Possum belly door at rear.	\$174.00
Ice Chest Bracket	\$203.00
Extended derrick / aerial device warranty, two (2) year, in lieu of standard one year warranty.	\$1,047.00
Extended derrick / aerial device warranty, three (3) year, in lieu of standard one year warranty.	\$1,977.00
Extended derrick / aerial device warranty, four (4) year, in lieu of standard one year warranty.	\$2,907.00
Extended derrick / aerial device warranty, five (5) year, in lieu of standard one year warranty.	\$3,896.00
Extended derrick / aerial device parts warranty, provides four (4) years parts only warranty after the standard one year warranty.	\$1,948.00

Notes:

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4. Terms: Net 10 days with pre-approved credit..
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Terex Utilities South – White House

Accepted By:

Order Coordinator—Josh Fawley

Account Manager –Charlie Mathews

PO Number: _____

Date: _____

~TEREX

Utilities

Aerial Devices | Hi-Ranger Overcenter Material Handling Aerial Device



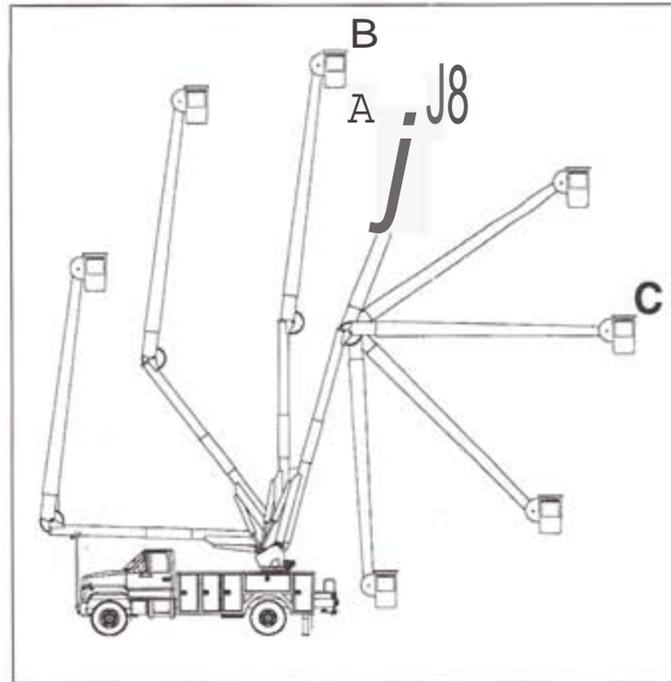
STANDARD EQUIPMENT

- Over Rear Axle Mounting
- Continuous Unrestricted Worm Gear Rotation
- One Two Person End Mounted 24" x 48" x 42" Platform
- 102° Of Lower Boom Articulation
- 69° Of Upper Boom Articulation (in both directions)
- IsoControl™ "3-D" Single Stick Control At Platform
- Proportional Assist Control System
- Category "C" Rating Per ANSI A92.2
- Positive Leveling System: Utilizing Frbergia-Rods And Aircraft-Type Cables
- Pressure Compensated, Variable Volume, Closed-Center Hydraulic System
- Independent Lever Control
- 32 Gallon Hydraulic Oil Reservoir
- Two Safety Harnesses With Attached Lanyard
- Hydraulic/Mechanical Boom Compensation System
- Automatic Two-Speed Throttle Control
- Boom Interlock

OPTIONAL EQUIPMENT

- Engine Stop/Start At Platform
- Category "A" Or "B" Rating Per ANSI A92.2
- Hydraulic Tool Outputs At Platform
- Gin Pole Socket*
- Grounded Boom Wire
- Mechanical Side Tilting Platform*
- Platform Rollers And Ladders*
- Auxiliary Power
- Boom/Boom Stow Interlock

WORKING ENVELOPE



NOTE: *Noted options will reduce platform capacity on noted units.

- 10' Longitudinal Hydraulic Lift
- Various Types of gut riggers
- Platform Footplate
- Upper Boom Overload Warning Alarm
- 30dtnstor-F:rwahjng Ugh
- Outrigger Sag Light

CAPACITIES & DIMENSIONAL DATA

MODEL	A Bottom of Platform	B Working Height	C Side Reach	Platform Capacities
5FC-40	40.6 ft (12.4 m)	45.6 ft (13.9 m)	27.5 ft (8.4 m)	700 lb (318 kg)
5FC-45	45.6 ft (13.9 m)	50.6 ft (15.4 m)	30.8 ft (9.4 m)	700lb (318 kg)
5FC-48	48.6 ft (14.8 m)	53.6 ft (16.0 m)	32.7 ft (10.0 m)	700lb (318 kg)
5FC-52	52.6 ft (16.0 m)	57.6 ft (17.6 m)	35.6 ft (10.9 m)	*700 lb (318 kg)
5FC-55	55.6 ft (17.0 m)	60.6 ft (18.5 m)	37.6 ft (11.5 m)	*700 lb (318 kg)
5FC-60	60.0 ft (18.3 m)	65.0 ft (19.8 m)	40.3 ft (12.3 m)	*500lb (227 kg)

Photographs and illustrations represented in this literature are for informational purposes only and may depict optional or additional equipment not offered as standard. Always refer to the appropriate operator's manual for safe and proper operation of TEREX Telelect equipment. TEREX Telelect reserves the right to make design changes as necessary.

For More Information:

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