

Utilities

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7/31/2006

Quote Number: 61810011

Tallahassee Electric Operation

2602 Jackson Bluff Rd
Tallahassee FL 32301

Attention: Terry Lowe

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Qty. **Description**
AERIAL DEVICE

1 **One (1) New Terex-Utilities Hi-Ranger TL-41M Articulating / Telescoping Aerial Device.**

Design Criteria:

* Terex Utilities aerial devices are designed in accordance with current industry and engineering standards applicable and accepted for structural and hydraulic design.

Platform Leveling:

- * Leveling is provided by a master/slave cylinder system.
- * A control a both the upper and lower control is provided.

Upper Controls:

- * "3D" one hand control is located on the platform.
- * The "3D" control activates upper boom lift, boom extension, and rotation. An emergency stop control is also provided.

Lower Control:

- * Individual control levers are located in an accessible location on the turntable.
- * The lower controls activate boom lift, boom extension, platform leveling, and rotation.
- * An upper/lower control selector provides override of platform controls.

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 12 inches.
- * The lower boom articulation is from -3 to 82 degrees.

Upper Boom:

- * Aerial device upper boom is constructed of high strength steel.
- * The upper boom has an articulation of -17 to 75 degrees.
- * A boom rest with a ratchet type tie down strap is provided.

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Description

Second Section Boom:

- * The second section boom is constructed of high strength filament wound fiberglass.
- * Extension of the second section is accomplished by a hydraulic cylinder.
- * The upper boom has a total insulation gap of 6 inches retracted and 50 inches extended.

Lower Boom Cylinder:

- * Single, threaded end gland design, double acting hydraulic lift cylinder equipped with integral holding valve.
- * Lower boom over stow.

Upper Boom Cylinder:

- * A double acting hydraulic lift cylinder equipped with integral holding valve is provided.
- * Upper boom over stow is standard.

Extension Cylinder:

- * The boom cylinder is of threaded end gland design.
- * The cylinder is equipped with integral holding valves to prevent creep and hold the boom in position in the event of hose failure.

Engine Throttle Control:

- * A two speed engine throttle control is provided at the upper controls.
- * The engine will advance to a pre-set speed when engaged and decrease to idle when disengaged.

Boom Interlock:

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

Pedestal:

- * The pedestal is of welded high strength steel construction and designed with access holes for maintenance of hydraulic plumbing.
- * The pedestal top plate and turntable base plate are machined from a single piece of thick plate.

Turntable:

- * The turntable is constructed of side plates with an offset configuration to provide maximum strength.
- * The steel bottom plate has provisions for attaching the outer race of the rotation bearing.

Continuous Unrestricted Rotation:

- * A Terex Telelect 3 port 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.
- * A 2-channel electric collector ring is provided, one channel for engine throttle one available for options.

Rotation Bearing:

- * The rotation bearing is a heavy-duty "shear ball" bearing with external gear 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.

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Description

ANSI Rating:

* Aerial device is designed as a Category C machine and is dialectically tested and certified for operation up to 46,000 volts AC per ANSI A92.9.

Hydraulic System:

- * Full pressure, open center hydraulic system.
- * An internal 20 gallon hydraulic oil reservoir provided with a 60 mesh filler screen, baffles, 100 mesh suction screen with bypass, clean out access hole, sight gauge and shut off vavle.
- * A spin on type 10 micron return line filter is provided.
- * A relief is also provided.
- * Hydraulic hoses are equipped with permanent type fittings.

Hydraulic Pump:

* Hydraulic system requires a hydraulic pump that will provide 5 gpm at engine idle.

Miscellaneous:

- * All metallic components of the complete aerial device are prime painted.
- * The fiberglass upper boom, boom inserts, platforms, and covers are white.
- * Includes two sets of operation, maintenance, and replacement parts manuals and all recommended decals.

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Pump:

- * Vane pump 12-GPM at 1200 rpm. Rated to 2500 psi.
- * SAE B 2-bolt mount SAE B 13T tooth splined shaft (left hand rotation).
- * Provides 5.5 GPM at 650 rpm idle with 100% PTO

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PEDESTAL

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Boom rest.

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Platform 24" x 30" x 42":

- * One side mounted fiberglass platform with a rated capacity of 400 lbs.
- * Includes two (2) outside access steps with slip-resistant surface.
- * Includes a platform rest.
- * A safety harness and lanyard with a built in 'O' ring lanyard attachment is provided.

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Insulated Platform Liner For 24" x 30" x 42" Platform:

- * Certified at 50 KV AC.

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Vinyl Platform And Control Cover For 24" x 30" Platform:

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

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

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Electric collector ring 4-conductor.

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Standard 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.

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1 Control For 1-Set Of Outriggers:
* Recessed at rear of truck each side for ease of view for outrigger placement.
- 1 Mounting Kit:
* Includes tow mounting plates, for angle tie downs and a short subframe.
- 1 Boom Stow Protection System:
* Limits the amount of down pressure by cutting off oil supply to the upper boom lower function.

UTILITY BODY

- 1 LLB132SA Utility Line Body:
A. Dimensions
-132" 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 (24") - 2 adjustable shelves with 4 adjustable dividers each
-Second Vertical (24") - 2 adjustable shelves with 4 adjustable dividers each
-Horizontal (60") - 9 adjustable dividers in compartment bottom
-Rear Vertical- (24") - 5 material hooks (1-3-1)
C. Compartmentation - Curb Side
-First Vertical (24") - 2 adjustable shelves with 4 adjustable dividers each
-Second Vertical (24") - access steps to cargo area
-Horizontal (60") - 1 adjustable shelf with 9 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 tread plate floor
-12-gauge tread plate 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.

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

3 Cable type gripstrut stirrup step.

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- 1 Access steps to command post or platform.
- 1 Access steps mounted on command post.
- 4 Outrigger pad storage brackets.
- 1 Integral wiring and switches in International chassis for electrical accessories (Diamond Logic).
- 1 Set chassis parameters.
- 1 DOT Inspection.
- 1 One pair of mud flaps.
- 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.
- 1 Orion flare kit with holder.
- 1 Paint line body one color.
 *Paint to match cab.
- 1 Paint body floor with non-skid paint.
- 1 Paint derrick one color.
- 1 Paint aerial device one color.
 *Paint to match cab.

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| Grand Total: | \$54,293.00 |
| FET Tax | \$0.00 |
| Grand Total | \$54,293.00 |

Options:

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| Dual Hydraulic Tool Outlets At Platform: * Installed at the platform to accommodate two open center hydraulic tools. * Provides 5 GPM at 2000 psi at engine idle. | Add \$329.00 |
| Auxiliary Let Down: * 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. | \$545.00 |
| Insulated Engine Stop / Start: * Controlled from platform | \$319.00 |
| Remote engine stop / start control from rear of vehicle. | \$483.00 |
| Demand Throttle: * Two speed throttle system automatically increases engine RPM to a pre-set speed when an increase in hydraulic pressure is sensed. | \$263.00 |
| Platform Scuff Pad For 24" x 30" Platform: * Non-skid standing surface. | \$81.00 |
| 1000-lb Hydraulic Articulating Side Mounted Jib And Winch: ~ Infinite positioning through the 125 degrees of articulation envelope with 1-6 ft of extension and pinning positions every 12 inches. * Includes a 1000 lb full drum capacity self-locking worm gear winch. Includes jib and winch controls at platform controls and winch control at lower controls. * Includes 65' of 3/8" winch rope and hook. * Minimum capacity is 400 lbs. Maximum jib capacity is 1000 lbs. * 105 Degree rotator | \$3,139.00 |
| Single Conductor Wire Holder (A.B. Chance): * Designed for lifting and holding up to 1.5 in. single line conductors. * Can be easily exchanged with jib sheave head. | \$620.00 |
| Hydraulic jib extension under load. | \$1,445.00 |
| Aerial Bucket Rescue Kit * Terex Utilities part # FA30030 * Hastings Fiberglass # 06-166 | \$442.00 |
| Chain Saw Holder * Terex Utilities Part # FA36103 | \$134.00 |
| Controls For 1-Set Of Outriggers And Auxiliary Tool Outlets: * Recessed at rear of truck each side for ease of view for outrigger placement.. | \$177.00 |
| Master door rod lock system. | \$202.00 |
| Reading Body in lieu of Terex Utilities Standard Body * 132 " Line Body | \$1,500.00 |

Add

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.

Compartment With Side And End Drop Down Doors: **\$915.00 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 And End Drop Down Doors: **\$962.00 ea.**
* 12-gauge tread plate top.
* 18'W x 18"H x 60"L.
* Equipped with rotary paddle latch and chain stops.

Compartment With Two Side Drop Down Doors: **\$976.00 ea.**
* 12-gauge tread plate top.
* 18'W x 18"H x 60"L.
* Equipped with rotary paddle latch and chain stops.

Compartment With Two Side Drop Down Doors: **\$1,105.00 ea.**
* 12-gauge tread plate top.
* 18'W x 18"H x 120"L.
* Equipped with rotary paddle latch and chain stops.

Compartment With Two Side Drop Down Doors And One End Drop Down Door: **\$1,175.00 ea.**
* 12-gauge tread plate top.
* 18'W x 18"H x 60"L.
* Equipped with rotary paddle latch and chain stops.

Compartment With Two Side Drop Down Doors And One End Drop Down Door: **\$1,273.00 ea.**
* 12-gauge tread plate top.
* 18'W x 18"H x 120"L.
* Equipped with rotary paddle latch and chain stops.

Compartment With Top Opening Lid: **\$561.00 ea.**
* 12-gauge tread plate top.
* 18'W x 18"H x 36"L.
* Equipped with cam-action hasp and chain stops.

Compartment With Top Opening Lid: **\$617.00 ea.**
* 12-gauge tread plate top.
* 18'W x 18"H x 60"L.
* Equipped with cam-action hasp and chain stops.

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| 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. | \$786.00 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. | \$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. | \$1,001.00 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. | \$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 120"L. * Equipped with rotary paddle latch and cam-action hasp and chain stops. | \$962.00 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. | \$723.00 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. | \$834.00 ea. |
| Compartment With Side Vertical Door: * 12-gauge tread plate top. * 24" W x 18"O x 46" H. * Equipped with rotary paddle latch and chain stops. | \$748.00 ea. |
| Horizontal enclosed ladder box with rubber covered rear roller: * 16-gauge construction. | \$462.00 |
| Possum belly door at rear. | \$174.00 |
| Chest Bracket | \$202.00 |
| Laminated wood outrigger pad 24" x 24" x 2-1/4" with rope handle. | \$141.00 |
| Rubber wheel chocks with eye bolt. | \$40.00 |

Add

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| Hour meter for power take off engagement time or engine hours, specify. | \$85.00 |
| Level indicator, pointer type. | \$36.00 |
| Whelen L32L Strobe Lights Super LED * Whelen Part # L32L | \$418.00 |
| Whelen 500 Series TIR Super LED Strobe Lights * Whelen Part # 50C03ZAR | \$310.00 |
| Unity AG-R-H halogen 6" spotlight with mounting bracket. | \$219.00 |
| VISTA strip compartment light. | \$560.00 |
| Go-Light * Terex Utilities Part # LA75003 | \$343.00 |
| Whelen Far Strobe Lights * Whelen Part # 50A-OO-Far Strobe Lights | \$157.00 |
| PH5 5 ton pintle hook: --- Safety chain eyes. Chassis frame reinforcements. | \$417.00 |
| Midland 7-prong trailer socket. | \$124.00 |
| One pair of rubber dock bumpers at rear. | \$115.00 |
| Buyer Products tow hooks, one pair. | \$164.00 |
| Tekonsha Voyager electric brake control. | \$252.00 |
| Bracket for storing grounding cable. | \$166.00 |
| 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 |
| Hannay spring loaded hydraulic hose reel with 4-way roller assembly. | \$761.00 |
| 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. | \$236.00 |
| Hannay spring rewind grounding reel. | \$943.00 |

Quotation

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| | Add |
|---|-------------------|
| Manual Ground Reel * Terex Utilities Part # FA20001 | \$622.00 |
| Dimensions Inverter 12/1200 * Terex Utilities Part # FA26002 | \$1,126.00 |
| Redi-Line DA12L electric generator, 1600W, 120VAC, 15A. | \$1,304.00 |
| 12 Volt Outlets | \$111.00 |
| Stanley Crimper * Terex Utilities Part # STNCT10016N | \$1,677.00 |
| Stanley Pole Tamp * Terex Utilities Part # STNTA541 03 | \$989.00 |
| Warn Electric Bumper Winch: * 12,000-lb capacity. * Bumper kit and 4-way roller | \$2,252.00 |
| Mule Tape Driver ..M15 Includes Torque Wrench, Reel, & 1,500 ft of Mule Tape | \$4,295.00 |
| Reflective DOT Tape * Terex Utilities Part # LA20035 | \$622.00 |
| Paint Boom Safety Yellow in lieu of Standard White. | \$753.00 |

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 exemption/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. Chassis requires clean frame rails, side and top. Relocation of chassis components, to facilitate equipment installation, will be in addition to above quoted price.
7. 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: _____

WTEREX

Utilities

Aerial Devices | Hi-Ranger Telescopic Material Handling Aerial Device



TLM

Aerial Devices

CAPACITIES & DIMENSIONAL DATA

| | TL37M | TL41M | TL44M | TL50M |
|-------------------------------|-------------------------|---------------------|---------------------|-----------------------|
| Bottom of Platform Height (A) | 38.0 ft. (11.6 m) | 41.8 ft. (12.7m) | 44.8 ft (13.6 m) | 49.5 ft. (15.1 m) |
| Working Height (B) | 43.0 ft. (13.1 m) | 46.8 ft. (14.3 m) | 49.8 ft. (15.2 m) | 54.6 ft. (16.6 m) |
| Horizontal Reach (C) | 28.0 ft. (8.5 m) | 30.5 ft. (9.3m) | 31.1 ft. (9.5 m) | 36.0 ft. (11.0 m) |
| Lower Boom Articulation | -3 to 82° | -3 to 82° | 0 to 8r | 0 to 8r |
| Upper Boom Travel | -17 to 76° | -17 to 76° | -15 to 76° | -15 to 76° |
| Upper Boom Extension | 100 inches (254 em) | 116 inches (295 em) | 116 inches (295 em) | 145 inches (368.3 em) |
| Platform Capacity | 400 lbs. (182.5 kg) 400 | 400 lbs. (182.5 kg) | 400 lbs. (182.5 kg) | 400 lbs. (182.5 kg) |

The above data is based on a 40" frame height and 58" pedestal.

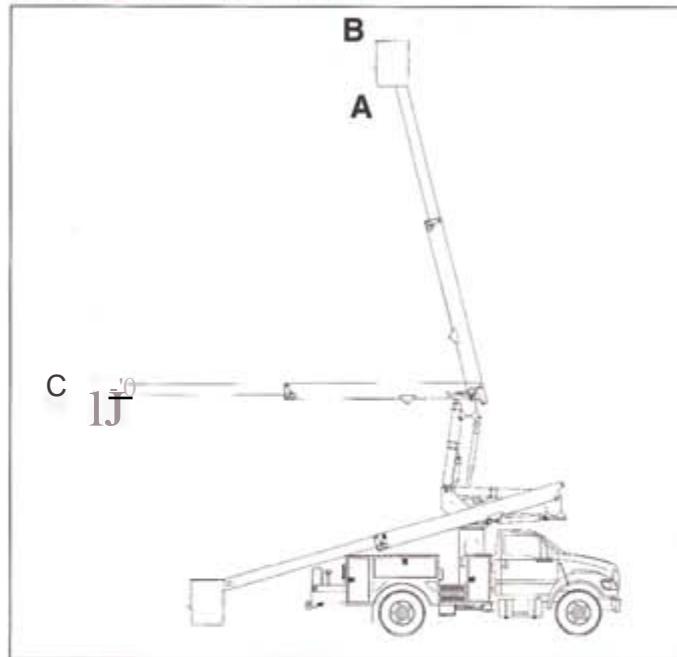
STANDARD EQUIPMENT

- ~ Side Mounted 24 x 30 x 42 inch One Person Platform
- HydraLid Mastar Slave Platform Leveling
- Full Pressure Controls On Side Of Platform
- IsoControl™ "3-D" Single Stick
- ~ Open Center Hydraulic System
- ~ Category "C" Rating per ANSI A92.2
- Steel Main Boom
- Fiberglass Second Section Boom
- Fiberglass Lift Boom Insert
- Lower Controls Above Rotation
- Safety Harness With Lanyard
- Continuous Rotation
- Lower Controls Override Upper Controls
- ~ 20 Gallon hydraulic Tank Integral With Pedestal
- Platform Tilting At Upper And Lower Controls
- Boom Interlock

OPTIONAL EQUIPMENT

- 2.4 x 24 x 42 Inch Platform
- ~ 4 x 48 x 42 Inch Platform (Provides 600 lbs. Capacity)
- Platform Liners
- Vinyl Platform Covers
- ~ B06mLBoorii, Stow Interlock
- ~ Hydraulic FICitQ~rnJio~CitQ.r.
- Hydraulic Jib Extension
- Torsion Bars
- ~ Full Pressure Lower Controls Below Rotation
- ~ Hydraulic Tool Outlets
- 12 Volt Auxiliary Let Down
- A-FrCl:me Outriggers
- Hydraulic Lift - 10ft. Transverse
- Boom Overstow Protection
- Hydraulic Articulating Jib And Winch (1000 lbs.)

WORKING ENVELOPE



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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