



We are pleased to quote the VERSALIFT VST-6000-MHI, insulated 60 ft. 1 in. (18.3 m) telescopic aerial platform lift, 65 ft. 1 in. (19.8 m) working height, 38 ft. 9 in. (11.8 m) horizontal reach including:

PLATFORM

The fiberglass platform is 24 in. x 48 in. x 42 in. (0.61 m x 1.22 m x 1.07 m) deep with an inside and outside step for easy access. The platform capacity is 500 lbs. (227 kg) with the jib and winch installed and 600 lbs. (272 kg) with the jib and winch removed. A cushioned platform support is provided.

PLATFORM LINER AND VINYL COVER

A 50 kV rated liner and soft vinyl cover are supplied for the platform.

PERSONNEL RESTRAINT SYSTEM

An arc flash rated safety harness and lanyard are supplied. The anchor for the lanyard is attached to the platform support.

INDIVIDUAL LOWER CONTROLS

Individual full-pressure controls at the turret actuate all boom functions. The lower control station is equipped with a selector valve to override the upper controls and serve as the emergency stop from lower controls.

SINGLE STICK UPPER CONTROL

The full pressure single stick upper control includes a safety trigger to prevent inadvertent operation. The lift movements correspond with control handle movements. An emergency stop and a tool selector control are located at the upper controls.

TRUGUARD™ 2.0

This advance upper controls isolation system provides 4" of electrical isolation from the entire upper controls, including the control dash panel. This system also includes a protective shield which helps prevent environmental and work related contaminants from making direct contact with the isolating surfaces.

HYDRAULIC PLATFORM ROTATOR

A hydraulic platform rotator, operated by a control lever, rotates the platform 180° from one side of the outer/inner boom assembly, across the end-hung position, to the other side of the outer/inner boom assembly.

HYDRAULIC PLATFORM LEVELING

A master and slave cylinder arrangement automatically levels the platform in all boom positions. This system also provides hydraulic platform tilt to adjust platform level, tilt the platform for clean out, or to ease the removal of an injured operator. The platform tilt can be activated from the upper and lower controls.

LINE-LIFTING SOCKET

Built as part of the platform support structure, is a vertical line-lifting socket for 3 in. (76 mm) diameter line-lifting attachments. The socket is automatically leveled with the platform.

HYDRAULIC TOOL CIRCUIT AT THE PLATFORM

This system is designed for open center hydraulic tools. The tool circuit provides 7.5 gpm (28 lpm) at 2000 psi (138 bars). One set of hydraulic ports (one pressure port and one return port) is standard at the platform to operate one tool. Dual tool ports are available as an option.

OUTER/INNER BOOM ASSEMBLY

The outer/inner boom assembly includes an outer boom, telescopic inner boom, extension system, and hose assemblies. The outer boom consists of a 10 in. x 12 in. (254 mm x 305 mm) steel section. The VST-5000 and VST-5500 outer booms also include a 12 in. x 14 in. (305 mm x 356 mm) fiberglass tip (Electrogard). The 8-5/8 in. x 10-5/8 in. (219 mm x 270 mm) rectangular fiberglass inner boom is housed within the outer boom. The inner boom can be easily removed and disassembled for service and inspection. The extension system consists of a hydraulic cylinder, two integral holding valves, and dual #60 roller chains housed entirely within the boom assembly. The hoses routed through the outer/inner boom assembly are non-conductive and fully contained within the boom assembly. The outer/inner boom assembly articulates from 23° below horizontal to 85° above horizontal. Actuated by a double acting cylinder, equipped with two integral holding valves; the outer/inner boom assembly is off set to one side to provide easy access to the platform. A boom support cradle and a boom tie down strap are included.

LOWER BOOM WITH CHASSIS INSULATING SYSTEM

Each end of a high strength fiberglass insert (chassis insulating system) is installed in a rectangular 10 in. x 12-in. (254mm x 305 mm) high strength steel section. The steel and fiberglass sections are bonded with pressure injected adhesive to fill any voids. A compensation link with a fiberglass section maintains the 24-in. (0.61 m) insulation gap in all the boom positions. The double acting cylinder, with an integral holding valve, allows the lower boom to articulate from horizontal to 92° above horizontal (86° for the VST-6000).

CYLINDERS

Both the upper and lower cylinders are a threaded head-cap design. Both cylinders are equipped with two integral holding valves to prevent creep down and to lock the booms in position in case of hose failure.

TURRET

The 5/8 in. (16 mm) thick turret wings are designed for strength and rigidity. The bearing cover is continuously welded to seal out moisture and prevent foreign materials from obstructing the turret rotation. The 1-1/4 in. (32 mm) thick turret plate is machined to provide a flat surface to support the rotation bearing.

CONTINUOUS ROTATION

Unrestricted rotation is accomplished by a hydraulically driven worm and spur gear with a shear-ball rotation bearing. The critical bolts holding the lift to the rotation bearing and the rotation bearing to the pedestal are grade 8 hex head cap screws. These critical bolts are torque seal marked to provide a quick means of detecting any turning of the bolt upon inspection. An eccentric ring is provided to adjust the gearbox pinion backlash.

LUBRICATION

Non-lube bearings are used at all pivot points. Only the rotation bearing and rotation bearing gear teeth require periodic lubrication.

PEDESTAL

The pedestal is tubular with a reinforced mounting plate. The top plate of the pedestal is 1-1/4 in. (32 mm) thick and machined flat to support the rotation bearing.

HYDRAULIC OIL RESERVOIR

A 25 gallon (95 l) hydraulic oil reservoir is built integral to the pedestal. The reservoir includes an anti-splash baffle and sight gauge for quick hydraulic fluid level checks, and a return filter pressure gauge.

ARTICULATED JIB

Jib and winch consisting of a winch, two piece jib pole assembly, and articulating arm. Up to 1000 lbs. material handling can be provided depending on boom and jib positions. The winch is hydraulically powered by a self-locking worm gear drive and is rated at 1000 lbs. full drum. The winch provides an average line speed of approximately 25 FPM (7.6 m/minute). The 3" diameter round inner jib pole is dielectrically tested and can be manually pinned in 5 different length positions, for a total of 22" length adjustment. The 4" diameter round outer jib pole is manufactured from FRP but is not dielectrically tested. The jib pole assembly is automatically leveled with the platform and can be hydraulically tilted from -10° to + 86° for a total of 96°. The jib pole assembly is mounted on an articulating arm. The arm is compensated so the jib pole stays at approximately the same angle relative to the ground as the arm articulates. The arm travels 91°, providing the equivalent to 17.5" horizontal jib pole extension and 20" vertical jib pole extension. The jib and winch assembly can be manually indexed about a vertical axis in one of seven different pin positions. This positions the jib up to 90° to either side of the boom, for a total travel of 180°. The jib and winch assembly can be removed without tools when not needed.

OUTRIGGERS

The main A-frame outriggers are equipped with pivot feet, pilot-operated check valves, internal thermal relief valves, and separate controls. At maximum extension, the outriggers furnish 148 in. (3.8 m) of spread and 7.25 in. (185 mm) of penetration with 21 in. (530 mm) of ground clearance based on 39 in. (0.99 m) frame height.

AUXILIARY OUTRIGGERS

Narrow angle modified A-frame outriggers are shear-plate mounted to the frame and are equipped with pilot operated check valves, internal thermal relief valves, pivot feet, and separate controls. Outrigger dimensions vary with chassis application. For a 31 in. (0.79 m) frame height, the, the outriggers furnish 122 in. (3.1 m) of spread, 8 in. (203 mm) of penetration, and 18 in. (457 mm) of ground clearance. For a 37 ¼ in. (0.95 m) frame height, the outriggers furnish 101 ¾ in. (2.6 m) of spread, 7 ¾ in. (197 mm) of penetration, and 15 ¾ in. (400 mm) of ground clearance.

OUTRIGGER/BOOM INTERLOCK SYSTEM

The outrigger/boom interlock option is a feature designed to prevent the lift from being operated until the outriggers contact the ground. The interlock also prevents the outriggers from being retracted before the aerial lift is properly stored.

OUTRIGGER MOTION ALARM

An alarm will sound while the outriggers are in motion.

SUBFRAME

The full length subframe is constructed of 6 x 4 tube and ¼ in. plate and is suitable for most installations up to 108" C.A. Shear plates and tie-bolts are provided to attach to the chassis frame.

HYDRAULIC SYSTEM

The open-center hydraulic system operates at 3000 psi (207 bars) at 7.5 gpm (28 lpm). A 10 micron pressure line filter installed after the pump and a 10-micron return-line filter, mounted above the hydraulic oil level and inside the pedestal, can be easily changed without draining the reservoir. A filter gauge with a color coded range is used to monitor the condition of the return line filter for replacement. The 100 mesh (149 micron) suction strainer in the reservoir can be removed for cleaning. A gate valve, located below the reservoir, prevents oil loss when the pump is serviced. A magnetic drain plug attracts metal particles from the oil.

HOSES AND FITTINGS

The hoses routed through the booms are high pressure and non-conductive with swaged hose end fittings. Retainers separate the hoses inside the booms to prevent chafing and nylon sleeves are installed over hoses at points of movement. Reusable fittings can be installed if a hose is damaged.

MASTER CONTROL

The master control energizes the upper and lower control circuits, including engine start/stop and optional two-speed throttle control.

ENGINE START/STOP

The start/stop circuit has been designed so the lift cannot be operated unless the truck ignition switch is in the "RUN" position and the master control is activated. This feature makes it difficult for unauthorized individuals to operate the lift when the truck is locked. An air cylinder at the upper controls and a toggle switch at the pedestal energize this system.

AUTOMATIC THROTTLE

Automatically advances the engine idle speed when the PTO is engaged.

BACKUP PUMP

An auxiliary hydraulic pump designed to bring the booms down in case the main hydraulic source fails. The emergency hydraulic pump is driven by a DC motor, which is powered by the truck-engine battery. The system is connected in parallel with the main pump and is designed for non-continuous operation. An air cylinder at the upper controls and a toggle switch at the turret are used to energize the system.

AUTO BOOM LATCH

The automatic boom latch is designed to automatically latch the boom in the cradle when stowed and automatically release the boom when the lift is operated. The latch is actuated by a hydraulic cylinder and includes a manual over-ride to open the latch without hydraulic power.

ELECTRICAL INSULATION SPECIFICATIONS

The outer/inner boom assembly is tested and certified for electrical work at 46 kV and below in accordance with ANSI A92.2 requirements. Aerial devices may be designed and configured for gloving work and tool methods at 46 kV and below. The outer/inner boom assembly is fully insulated even in a retracted position. The chassis insulating system (lower boom insert) is also tested according to ANSI A92.2.

SLOPE INDICATORS

Slope indicators are required on Versalift units and supplied by Time Manufacturing Co. Slope indicators shall be installed to indicate the level of rotation bearing relative to the ground.

MANUALS

Two (2) Operator's Manuals and two (2) Service Manuals, one (1) Manual of Responsibilities, and one (1) EMI Safety Manual are included.

LINE BODY

150 in. x 48 in. x 94 in.

20 Inch compartment depth.

54 Inch bed area.

30 Inch top of floor to top of body.

26 Inch horizontal compartment height.

12 Ga Wheel Wells Covers.

16 Ga. Galvanneal body materials.

Four (4) - 5/8" Drain holes in each corner of the floor.

12 Ga. Hot rolled treadplate floor.

12 Ga. Hot rolled treadplate compartment tops.

Stainless Steel Automotive rotary type door latches - Versalift

Latch Covers on All doors.

Stainless steel rod and socket type door hinges.

Chain stops on all doors.

Double Panel Body Doors.

Rubber rolled crown type fenders.

Master door lock system.

Automotive Bulb Type Weatherstripping.

Front bulk head. (Installed)

Shelving / Hooks installed on DUAL Uni-Strut for infinite adjustment.

Two (2) formed angle Mudflap brackets

STREET SIDE COMPARTMENTS

1st vertical: 24 Inches wide with Two (2) shelves each with adjustable dividers on 4" centers.
2nd vertical: 24 Inches wide with Two (2) shelves each with adjustable dividers on 4" centers.
3rd vertical: 24 Inches wide with Two (2) shelves each with adjustable dividers on 4" centers.
Horizontal: 54 in. with Eight (8) Adjustable dividers installed in compartment bottom.
Rear vertical: 24 Inches wide with Two (2) shelves each with adjustable dividers on 4" centers.
Hot stick: 150 Inches long with rear dropdown access door.

CURBSIDE COMPARTMENTS

1st vertical: 24 Inches wide with Two (2) shelves each with adjustable dividers on 4" centers.
2nd vertical: 24 Inch wide gripstrut access steps to bed area.
3rd vertical: 24 Inches wide with Two (2) shelves each with adjustable dividers on 4" centers.
Horizontal: 54 Inches wide with One (1) shelf with adjustable dividers on 4" centers.
Rear vertical: 24 Inches wide with Five (5) - 1/2" Carriage Bolt Swivel / Locking material hooks 1-3-1.

Tail shelf: Treadplate tailshelf 40 inches long x Full width of body x 6 inches high with Recessed Gripstrut access steps on Curbside.

REAR LIGHTING

Rubber mounted recessed rear lighting kit with harness - Installed
Two (2) stop/tail/turn lights - Peterson Brand M826R-7 L.E.D.
Two (2) clear back up lights - Peterson Brand M826C - 7 LED
Two (2) front clearance lights reflector style- Peterson brand M173A L.E.D
Two (2) side clearance lights reflector style- Peterson brand M173R L.E.D
Two (2) rear clearance lights reflector style - Peterson brand M173R L.E.D
Three (3) light center cluster reflector Style - Peterson brand M173R L.E.D
7-Lamp light wiring harness.

WHEEL CHOCK STORAGE

Two built into body wheelwells curbside.
Pendulum Retainers.

OUTRIGGER CONTROL BOXES

Two (2) Dual outrigger control boxes.

OUTRIGGER PAD STORAGE

Two (2) Outrigger Pad Storage Brackets
Pendulum Retainers.

BELTED STEP

One (1) Rubber Belted type step for installing at side access.
One (1) Rubber Belted type step for installing at tailshelf - Curbside.
Flat on top of step

TAILGATE

Removable composite wood tailgate 5.5" high X full width of bed area installed at rear of load space.
Removable composite wood sidegate 5.5" high X full width of step area.
Includes Pins and Lanyards

GRAB HANDLES

Two (2) Bolt-On Type for installing at side access of body.
Two (2) Pool type grab handles for installing at side access of body.

PAINT

Complete unit is primed and painted prior to assembly.
Painted White

CHASSIS

2022 International HV507 4X4 cab and chassis

Cummins B6.7 325 HP diesel engine @ 2400 RPM, 725 lb-ft Torque @ 1800 RPM

Allison 3500 RDS automatic transmission

33,000 lb. GVWR: 13,000 lb. front GAWR and 21,000 lb. rear GAWR

22.5x8.25 powder coated steel disc wheels with 11R22.5 tires.

124 inch C.A.

Driver seat air suspension, passenger fixed two man bench seat

Engine block heater 120V/1000W

Air brake system

Back up alarm

Air conditioning and AM/FM radio

INSTALLATION

Furnish and install mounting hardware, PTO, and pump.

Install VERSALIFT VST-5000-5500-6000-I

Furnish and install hydraulic diagnostic test port

Furnish and install body and accessories

Furnish and install park brake interlock

Furnish and install slope indicators

Furnish and install backup alarm

Furnish and install quick disconnects with dust caps at the platform tool power

Furnish and install an electronic brake controller

Furnish and install gladhands

Furnish and install a 4-corner LED strobe system

Furnish and install a 15-ton pintle hitch and two (2) safety "D" rings

Furnish and install ICC rear bumper

Furnish and install a 7 prong round-pin trailer receptacle

Furnish and install mudflaps

Furnish and install travel height decal in the cab

Furnish and install rear chassis spring

Paint body to match cab and chassis

Paint treadplate floor with black no-skid

Furnish a fire extinguisher and a 3-piece triangle reflector kit

Furnish chassis programming

Furnish four (4) 24" X 24" X 1" outrigger pads

Furnish two (2) rubber wheel chocks

Test ride completed unit for 1 hour

Test and Certify per ANSI A92.2