

## **DL Series Lifts**

These heavy-duty lifts are ideal for cargo handling and lifting heavy industrial loads. Built-in hydraulic overload relief protects personnel and structures. Heavy-plate platforms with structural reinforcement minimize deflection while the wide base provides increased rigidity and stability.



**Heavy-Duty  
DL Series Lifts**

















# Specifications

## DL Series Heavy-Duty Lifts









Model No.	Capacity (Lbs.)	Vertical Travel (Inches)	Height		Standard Platform (Inches)	Maximum Platform (Inches*)	Top Plate Thickness	Elevating Time (Seconds)	HP	Standard Voltage	Approx. Shipping Weight/Lbs. (std. platform)
			Min. (Inches)	Max. (Inches)							
DL20-36	20000	36	16	52	60 x 76	96 x 108	½	56	3.2	460/3/60	4000
DL10-48	10000	48	13¼	61¼	47 x 76	84 x 108	¾	56	3.2	460/3/60	3300
DL15-48	15000	48	14¼	62¼	60 x 76	96 x 108	½	62	3.2	460/3/60	4000
DL25-48	25000	48	16	64	60 x 76	96 x 108	½	85	3.2	460/3/60	4800
DL10-60	10000	60	16	76	60 x 102	96 x 144	¾	48	3.2	460/3/60	4800
DL12-60	12000	60	16	76	60 x 102	96 x 144	¾	52	3.2	460/3/60	5100
DL16-60	16000	60	16	76	60 x 102	96 x 144	½	72	3.2	460/3/60	5300
DL20-60	20000	60	22	82	60 x 120	96 x 144	½	86	3.2	460/3/60	6800
DL25-60	25000	60	26	86	72 x 144	108 x 180	½	105	3.2	460/3/60	10500
DL20-72	20000	72	22	94	72 x 144	108 x 180	½	112	3.2	460/3/60	9700
DL4-84	4000	84	12	96	60 x 120	96 x 156	¾	45	3.2	460/3/60	4200
DL6-84	6000	84	16	100	60 x 120	96 x 156	¾	48	3.2	460/3/60	5000
DL10-84	10000	84	16	100	60 x 120	96 x 156	¾	88	3.2	460/3/60	5800

\*Maximum platforms are for reasonably uniform loads.







## Hydraulic / Actuation Options

 <p><b>Larger Power Units*</b> Higher horsepower motors and hydraulics used to increase travel speed.</p>	 <p><b>Manual Hand or Foot Pump Actuation</b> Lever type hand pump or foot pedal pump for use when manual actuation or precise positioning is required.</p>	 <p><b>Minimum Downdrift Valving*</b> Near positive shut-off valving for use where platform must maintain position for extended periods of time.</p>	 <p><b>Continuous Duty Power Units*</b> Specially designed power units with motors capable of many motor starts per hour.</p>
 <p><b>Air Motor Driven Power Units</b> For use where electrical actuation is undesirable and shop air is available; meets explosion proof requirements.</p>	 <p><b>Cross Check Valving*</b> Locks oil in cylinders to eliminate deflection caused by oil transfer. Used in certain side loading applications.</p>	 <p><b>Continuous Running Power Units*</b> Heavy-duty power units with special cooling features. Power unit runs continuously, and valves are actuated to activate lift. Used for extremely high logs or cycles.</p>	 <p><b>Screw Jack*</b> Lift is actuated by gear motor driven worm or ball screw. For more precise, repetitive positioning or where hydraulics are not desired.</p>
 <p><b>DC Power Units</b> Direct current power units for use with battery power.</p>	 <p><b>Power Units Full JIC Style Continuous Running Power Units*</b> Continuous running power unit built to JIC specifications.</p>	 <p><b>Double Acting Cylinders*</b> For special applications where it is necessary to provide both power up and power down.</p>	 <p><b>Hot and Cold Temperature Hydraulic Packaging</b> Special sealing and hydraulic fluids for use in hot or cold atmospheres.</p>
 <p><b>External Power Unit*</b> Power unit is connected to lift only by hydraulic hoses.</p>	 <p><b>No Coast Valving*</b> Fast acting hydraulic valving, which decreases upward coast, for use where more precise positioning is desired.</p>	 <p><b>Air Bag Actuation</b> Inflatable air bag provides limited travel lift actuation. Used where electrical power is not desirable or where only two positions are required.</p>	 <p><b>Velocity Fuse(s)/Excess Flow Protectors</b> Hydraulic control prevents table free fall in the unlikely event of massive hydraulic failure.</p>







## Electronic Control Options

 <p><b>Wall Mounted Push Button</b> Permanent wall mounted controls for use where a fixed operating station is desirable.</p>	 <p><b>Maintained Contact Controls</b> Up/down/emergency stop push button control which stops travel automatically at preset level. (Control button does not have to be held.)</p>	 <p><b>Special NEMA Rated Electrical Packages*</b> A variety of electrical packages designed to meet NEMA standards for outdoor, explosion proof, and other installation requirements.</p>	 <p><b>Travel Limit Switch(es)</b> Electrical switch stops travel, prevents overtravel, provides height positioning, and can activate associated equipment. Should be used with mechanical stop for fixed lowered height.</p>
 <p><b>Automatic Leveling Package</b> Optical sensing control positions table and stops travel at any preset height.</p>	 <p><b>Electrical Quick Disconnect</b> Quick disconnect plugs for use with portable or frequently relocated lifts.</p>	 <p><b>Visual or Audible Signals</b> Lights or bells used to warn personnel when lift is in operation.</p>	 <p><b>One-Touch Auto Leveling</b> Increase productivity in repositioning applications. Raise or lower lifts a specific increment at the touch of a button</p>

















## Mechanical Options

 <p><b>Narrow Base</b> Reduced width base to fit special needs. Must be lagged for stability.</p>	 <p><b>Lifting Eyes</b> Steel eye bolts allow table to be lifted with hoist. Frequently used in pit mounted applications for ease of installation and maintenance.</p>
 <p><b>Wide Base</b> Increased width base provides extra stability for wider loads.</p>	 <p><b>Lag Plates</b> Permanently attached plates or angles with bolt holes for lagging tables to floor.</p>
 <p><b>Sub Bases</b> Extra base unit increases low height of standard designs. Provides a positive stop at predetermined down level. Frequently used for integration with automated systems.</p>	 <p><b>Increased Roll Over Capacity</b> Structural strengthening of table support for use in pit installations where loaded trucks or transporters must traverse the platform in its lowered position.</p>

## Portability and Transport Options

 <p><b>Semi-Live Portable</b> Consists of wheels at one end of base and pull plate at the other, plus wheeled jack handle. Used only for moving table to a new position, and not for transporting materials.</p>	 <p><b>Flanged Wheels</b> Steel wheels with flange for use with floor or rail track to provide unidirectional horizontal movement.</p>
 <p><b>Powered Traverse</b> Hydraulic motor drives two wheels on a single shaft via a chain and sprocket.</p>	 <p><b>Casters</b> A variety of casters, mounting arrangements, and floor locks is available for use where full portability and maneuverability are desired.</p>
 <p><b>Vee Groove Wheels</b> Steel wheels with groove for use with inverted angle or Vee track to provide unidirectional horizontal movement.</p>	 <p><b>Push Bar</b> Hand height bar to facilitate manual movement of wheeled or castered portable units.</p>

## Platform Options

 <p><b>Manual or Powered Turntables</b> Bearing mounted and supported turntables for rotating or positioning loads of work.</p>	 <p><b>Vee Cradle Platform</b> Vee shaped platform provides centering and secure handling of cylindrical loads, such as rolls.</p>	 <p><b>End-Shifting Platform</b> Manual or powered platform end-shift used to align loads with other handling systems or operating equipment.</p>	 <p><b>Gravity or Powered Conveyor Tops</b> Roller conveyor tops for integration with other handling equipment or systems.</p>
 <p><b>Tilting Tops</b> 30°, 45°, and 90° tilting platforms for better positioning of certain loads.</p>	 <p><b>Fork Pockets</b> Structural fork pockets allow entire unit to be lifted and moved by fork truck.</p>	 <p><b>Ball Transfer Top</b> Fixed or retractable ball conveyors for omnidirectional movement of load on platform.</p>	 <p><b>Throw-Over Plates</b> Hinged plates used to provide a bridge between the platform surface and an adjacent fixed height surface.</p>
 <p><b>Access Plate</b> Removable or hinged plate in platform surface allows access to power unit and hydraulics when lift is in lowered position.</p>	 <p><b>Stainless Steel Platform</b> Corrosion and damage resistant surface for use with corrosive materials or where frequent wash down is required.</p>	 <p><b>Fixed and Removable Handrails with Snap Chain</b> For use in applications involving personnel lifting. Removable rails allow access from any side when lift is not in use.</p>	 <p><b>Bellows Accordion Skirting</b> Single-ply stitched polyester skirting covers mechanism between platform and base. Also available as boots to cover cylinders only. (See photo on page 10)</p>
 <p><b>Anti-skid Platform Surfaces</b> Diamond tread platform surface or abrasive type paint provide better traction for powered vehicles and reduce danger of personnel slipping.</p>	 <p><b>Wheel Chock</b> Counter-weighted wheel chock recessed in table top. Automatically engages as lift raises and prevents wheeled vehicle from rolling in set direction.</p>	 <p><b>Bevel Toe Guard</b> 30° bevel on platform sides provides warning contact without abrupt shear point when lift table is installed in pit.</p>	 <p><b>Toe Sensing Edge</b> Automatically reverses lift on contact with any obstruction.</p>

## Environmental Options

 <p><b>Export Boxing</b> Meets special packaging and shipping requirements for export out of the United States.</p>	 <p><b>Special Paint</b> Customer specified paint formulations and colors. Corrosion Protection similar to that of Hot Dip Galvanizing.</p>	 <p><b>Cam Follower Rollers*</b> Low friction leg rollers for increased efficiency and longer operating life.</p>	 <p><b>High Duty Cycle and Greased Manifolds*</b> Special bearing packages and regreaseable pivot points for moderately high and high duty cycle applications.</p>
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\* Because of the high performance of standard tables, most asterisked options may not be required in normal usage. To avoid unnecessary cost, please consult factory before specifying these options.