

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

Electronic Control Options

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

Mechanical Options

 <p>Narrow Base Reduced width base to fit special needs. Must be lagged for stability.</p>	 <p>Lifting Eyes Steel eye bolts allow table to be lifted with hoist. Frequently used in pit mounted applications for ease of installation and maintenance.</p>
 <p>Wide Base Increased width base provides extra stability for wider loads.</p>	 <p>Lag Plates Permanently attached plates or angles with bolt holes for lagging tables to floor.</p>
 <p>Sub Bases 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>Increased Roll Over Capacity 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>Semi-Live Portable 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>Flanged Wheels Steel wheels with flange for use with floor or rail track to provide unidirectional horizontal movement.</p>
 <p>Powered Traverse Hydraulic motor drives two wheels on a single shaft via a chain and sprocket.</p>	 <p>Casters A variety of casters, mounting arrangements, and floor locks is available for use where full portability and maneuverability are desired.</p>
 <p>Vee Groove Wheels Steel wheels with groove for use with inverted angle or Vee track to provide unidirectional horizontal movement.</p>	 <p>Push Bar Hand height bar to facilitate manual movement of wheeled or castered portable units.</p>

Platform Options

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

Environmental Options

 <p>Export Boxing Meets special packaging and shipping requirements for export out of the United States.</p>	 <p>Special Paint Customer specified paint formulations and colors. Corrosion Protection similar to that of Hot Dip Galvanizing.</p>	 <p>Cam Follower Rollers* Low friction leg rollers for increased efficiency and longer operating life.</p>	 <p>High Duty Cycle and Greased Manifolds* Special bearing packages and regreaseable pivot points for moderately high and high duty cycle applications.</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

* 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.