



# CEDAS HEAVY DUTY HYDRAULIC LIFTS



**PERFECT LOGISTICS TRANSPORTATION  
EXPERIENCES**

## CEDAS HEAVY DUTY LIFTS

Let us present the perfect logistics transport experience for you.

CEDAS HD materials lift series products not only absorb European standards, but also pick high strength load bearing designs and materials. They can be qualified in all kinds of logistics transport mission easily and to be your right hand man materials transport works.

Our complete lifts are designed for the modern age and environments. We offer high levels of technology and are second to none in quality, from our classic range to our bespoke models. CEDAS have invested in firm agreements with leading Italian hydraulic systems manufacturer to compliment CEDAS lifts to a higher level in this market. For more information please contact us directly.

Our cantilever style frames are available with direct and indirect designs. With only one cylinder we can offer load capacities of 1600kg. With two cylinders (double pistons) we can offer load capacities from 2000kg - 7000kg as standard. Materials such as galvanized, epoxy painted steel sheet, or even stainless steel can be used, which stand out for high durability and protection from damage due to frequent, heavy and long-term use. They are mainly used for heavy duty industrial applications, warehouses, super markets, stores, hospitals and commercial centers.

Regardless load capacity and size of the cabin/platform, the operating speed and leveling precision never changes.

CEDAS HD lifts are forged in order to withstand every hardship, satisfying even the most demanding requirements of functionality. Some of the main features are;

- Fully complying to European and local standards
- In house production short/flexible lead times
- Flexible adjustments for custom solutions
- Capacities ranging from 3 tons to 50 tons
- low space requirements in shaft
- Simple and fast assembly
- Electromagnetic door locks for manual landing doors which opens only when the cabin arrives.
- 24V DC control circuits.
- Manual swing doors, collapsible and fully automatic doors options.
- 10 years warranty on the structural components
- Safety rupture valve in cylinder; when hydraulic hose breaks or cuts the lift will stop immediately.
- Stiffness, Safety and Reliability
- Aesthetics
- Bespoke solutions



Supply of Hydraulic HD lifts consists of shaft Structural parts, hydraulic jacks, drive units, car slings, car walls, shaft cladding materials and electrical components.

Car frames and panels manufactured for hydraulic heavy duty lifts can resist heavy loads up to 50 tons while car frame, shaft specs, and hydraulic jack specs shall vary based on the rated capacity of the lift.

Contact CEDAS for higher capacities, different cabin sizes and door options.

Hydraulic configurations vary as per site conditions and the capacity required. This can be a direct or indirect drive.

All our hydraulic systems are directly imported from Omarlift, Italy.



**BOTTOM DRIVE**



**DIRECT DUAL SIDE DRIVE**



**SINGLE SIDE DRIVE**



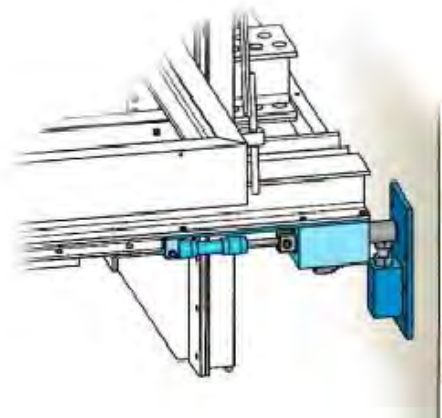
**INDIRECT SIDE DRIVE**



# CEDAS HD Features.

CEDAS HD hydraulic lifts comply with EU standards and local standards. CEDAS HD is a reliable high performance and far superior cargo lift to the standard materials lifts or platforms in the market. CEDAS HD is long-lasting installation designed to work intensively, reliable and efficiently over many years.

- CEDAS HD is manufactured complying to EC Machine Directive 2006/42/EC and EU elevator standards.
- Landing devices serve to limit the compression distances of lifts
- Fall arrest system and speed governor
- Manual and emergency auto landing in case of power failure
- Hydraulic rupture valve for fall protection in case hydraulic hose cuts or removes from joints
- Full height door laser curtain.
- Door interlocking while lift in operation
- Solenoid or hydraulic actuated interlocking to stop movement of cabin while loading
- Cabin wall protection pads
- Our expertise and the flexibility order-related solutions make us a leading supplier of hydraulic lift components.
- CEDAS HD can be equipped with a cabin operation panel with single touch push buttons and emergency stop switch. The cabin operation panel can be equipped with a position display and voice synthesizer as an option.
- CEDAS HD can also be controlled by an automatic operation from each floors.
- Mild steel / Aluminum / Stainless steel flooring options and ceiling with direct led lighting.
- Cabin full height laser curtain on the cabin entrance or collapsible door or fully automatic door options.
- CEDAS HD can be installed in a wall shaft. A self-standing metal shaft can also be supplied by CEDAS.



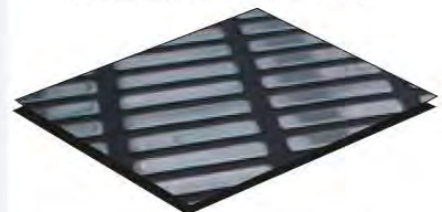
Wooden bumper rail (available to choose)



Rubber bumper rail (available to choose)



FR201 ruffled plate (standard)



FR301 stainless steel ruffled plate (available to choose)

## SHAFT STRUCTURE & DOOR OPTIONS



MANUAL SWING DOORS WITH  
VISION PANEL



MANUAL SWING DOORS WITH  
TOP HALF MESH SHEETS



SLIDING COLLAPSIBLE DOOR FOR BOTH  
CABIN AND LANDING DOORS



FULLY AUTOMATIC CABIN AND  
LANDING DOORS



TECHNICAL  
SUPPORT

- We provide our customers with detailed and comprehensive technical support (both electrical and mechanical) tailored to their particular requirements during installation and/or maintenance operations.
- In real time, in English, Arabic, or Hindi and with real highly-qualified personnel.
- We look after the products' full life cycle.



SPARE PARTS  
AVAILABLE

- The CEDAS hydraulic HD and the CEDAS hydraulic HD PRO have been designed in-house and we produce them in our own factories.
- As original designers and manufacturers, we can supply spare parts for all our units all of which are easily traceable using the lift reference number, the plan reference number, the control system reference number - not to mention the site address.
- We have a permanent spare parts stock and we can send them from our factory in a fast and secure way.

## CEDAS HD HYDRAULIC & CEDAS HD HYDRAULIC PRO TECHNICAL SPECIFICATIONS

Rated Load	3 tons -50 tons
Speed	0.15 m/sec – 0.6 m/sec
Drive system	Hydraulic single, Double or Bottom drive
Power supply	400V AC 3 Ph 50 Hz
installation	Freestanding modular structure. RAL 5017 Blue. Anchoring the structure to each floor is recommended.
Lift car	<ul style="list-style-type: none"> <li>• Built in steel plate, finished in RAL 1003 Yellow</li> <li>• Direct fluorescent lighting</li> <li>• Galvanized car roof</li> <li>• Car operating panel. Floor push buttons, attendant key switch, alarm button, Emergency stop switch</li> <li>• Performance Level C certified light curtain system according to EN ISO 13849-1. Cat.2</li> <li>• UAE government approved third party inspection and certification</li> <li>• Other finishes available upon request</li> </ul>
Entrance configuration	Single, or open through at 180°
Landing doors	Fully Automatic or Manual single or double hinged with window. Finished in epoxy painted steel. RAL 9005 Black. UNE EN 81-58:2004 E120
Lift car door	The standard model is supplied with collapsible door or automatic door or without door options available
Height of Structure	15 meters
Travel	12 meters
Number of levels	5 floors
Guides length	5m
Minimum travel between floors with same entrance	2150mm (1800 car height + 350mm)
Minimum travel between floors with different entrance (0 and 180)	350mm
Minimum headroom	Lift car internal height + 700mm (+750mm for 1500kg and 2000kg)
Minimum structure headroom	Lift car internal height + 600mm (+ 650mm for 1500kg and 2000kg)
Pit	The standard package is supplied with a 300mm pit incorporated into the structure. (As per the capacity of the lift)
Control System	Call and send lift control system from landings. Single touch lift control in car. (key switch to select operation mode)
Landing operating panel	<ul style="list-style-type: none"> <li>• Push buttons with led</li> <li>• Emergency stop push button</li> </ul>
Shaft lighting	Direct fluorescent lighting
Lift car internal height	1800, 1900, 2000, 2100, 2200mm
Lift car width	From 1000mm to 2000mm in 100mm increments
Lift car depth	From 1000mm to 2000mm in 100mm increments
Minimum necessary lift shaft width	Lift car width + 370mm (may vary as per door configurations)
Minimum necessary lift shaft depth	Lift car depth + 260mm (may vary as per door configurations)
Unintended car movement protection	The standard model is supplied with Unintended car movement protection means





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