

# Cassette lift DH-CH101.05

350 - 500 Kg



# DHOLLANDIA



## Cassette lift with maximum travel downwards

The **DH-CH101.03 and .05** are designed for installation on M3 buses and coaches, in a **compartment high above ground level**, for instance above the rear axle.

The standard execution is equipped with a **solid single-piece platform** of 1200 mm long, perfectly suited to regular wheelchairs. A **manually extensible platform** is available as an option [OWP014.1]. This execution allows the operator to extend the platform from 1450 to 1750 mm platform depth, to load and unload longer wheelchairs, hospital beds, or stretchers.

The strong lift arms offer **excellent platform stability** to the wheelchair occupant through the full working range of the lift.

- + Robust 1-piece platform, eliminating as many moving parts as possible. Reduced maintenance and maximum operational reliability
- + Solid lift arm construction with 2 lift cylinders providing maximum platform stability, and optimum sense of safety for the wheelchair occupant on the platform
- + Excellent after-sales service. Professional network of regional DHOLLANDIA service branches and independent distributors in more than 60 countries worldwide.
- + New generation 2016:
  - lift capacity increased to 500 kg on selected models
  - aluminium tear plate platform surface (lighter & offering better slip resistance)
  - improved locking system for the safety rails in the raised position
  - double, hydraulic + mechanical locking of the roll-stop at the outboard platform edge
  - automatic locking of platform inside cassette, automatic release upon deployment
  - new hydraulic pump unit with quick-fit plug-and-play connections
  - electric control board with LED diagnosis, emergency control over dip-switches and better connectivity





Hydraulic pump unit 12V or 24V DC, including emergency functions

#### PLATFORM

- Platform construction: steel platform frame with aluminium slip-resistant top plate
- Robust 1-piece platform, eliminating as many moving parts as possible. Reduced maintenance and maximum operational reliability
- Automatic roll-stop at the outboard platform edge
- Automatic bridge plate + toe-guard + load restraint at the inboard platform edge
- 2 hinged safety rails L+R, operated manually and automatically locking in the raised position
- Raised side profiles as roll-off protection on the L+R sides of the platform
- Automatic locking of the platform in its travel position. Mechanical unlocking possible in case of emergency
- Flashing lights integrated in the L+R platform sides

#### FUNCTIONAL & MECHANICAL CHARACTERISTICS

- Flat platform, level ride
- Fixed stabiliser rods, platform orientation is only adjustable during installation
- Lift frame and platform stowed in a sealed cassette. The roll-stop forms the outboard cover

#### HYDRAULICAL CHARACTERISTICS

- 2 lift cylinders for maximum platform stability
- External pump unit 12V or 24V DC, incl. hand pump and emergency functions, to be installed by the installer of the lift
- Multiple electric plug connections and hydraulic snap-couplings available to speed up installation. Consult DHOLLANDIA

#### ELECTRICAL CHARACTERISTICS

- Retraction by means of an electric motor + gearwheel system
- Easy-to-use 2-button wander lead for the 4 functions: slide out / lift / lower / slide in
- Emergency stop integrated in wander lead [OWE008.2 = standard], or in separate box [option]

#### FITTING

- Mounting brackets designed for easy positioning and adjustment in longitudinal and lateral direction
- Lift types adapted for various mounting positions: under chassis; on floor of luggage compartment; above wheel box; or integrated in stairs of bus. See technical data

#### FINISH & MAINTENANCE

- Low-maintenance bearings in all articulation points
- Treatment: KTL epoxy coating

Disclaimer: data and images of lifts and options are indicative, and may vary in function of the lift execution and vehicle details. Ask confirmation from DHOLLANDIA.



**DH-CH101.03 350 kg / DHCH101.05 500 kg**: designed for a minimal lift range up, and a maximum lift range down. Is normally mounted in a compartment high above ground level, e.g. above the wheel box.

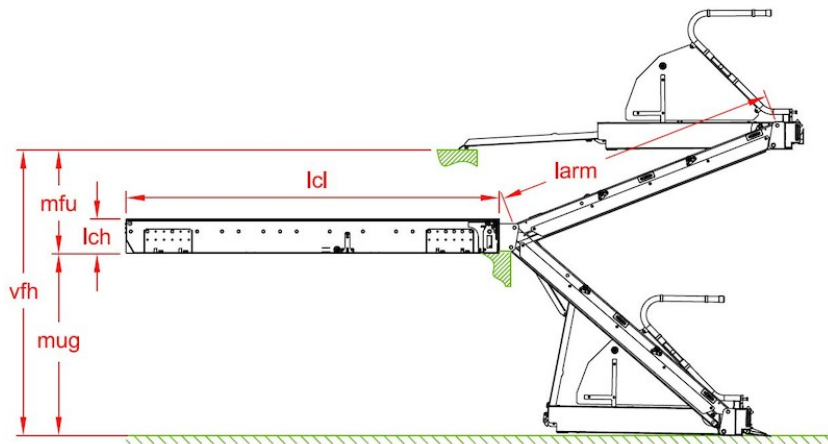


**TECHNICAL CHARACTERISTICS**
**DH-CH101.05**

<b>Lift frame</b>	2 lift arms
<b>Cylinders</b>	2 lift cylinders
<b>Retraction in/out</b>	Electric motor + gear wheel system
<b>Type of ride</b>	Flat platform, level ride
<b>Standard platform dimensions</b>	1200 x 800 mm (LxW)
<b>Platform details</b>	<ul style="list-style-type: none"> <li>- Aluminium platform with anti-slip surface</li> <li>- Solid single-piece platform</li> <li>- Automatic roll-stop at the outboard edge</li> <li>- Automatic bridge plate to the vehicle floor</li> <li>- Platform manually extensible to 1750 mm available as option [OWP014.1]</li> </ul>
<b>Safety rails</b>	2, left & right, folding manually
<b>Standard control unit</b>	OWE008.2
<b>Standard finish of the lift frame</b>	KTL epoxy e-coating

**MOUNTING DIMENSIONS**
**DH-CH101.05**

	<b>CH101.03.03</b>	<b>CH101.03.04</b>	<b>CH101.05.03</b>	<b>CH101.05.04</b>	<b>CH101.05.05</b>
<b>ARM</b>	1700	1800	1700	1800	1700
<b>CAP</b>	350	350	500	500	350 / 500
<b>mug max.</b>	1280	1350	1280	1350	1280
<b>lch</b>	200	200	200	200	200
<b>lcl</b>	2250	2350	2250	2350	2350
<b>mfu min.</b>	280	300	280	300	280
<b>mfu max.</b>	620	650	620	650	620
<b>vfh max.</b>	1900	2000	1900	2000	1900







OWE005.01 - Emergency stop in separate box



OWE008.2 - 2 button wand lead + emergency stop



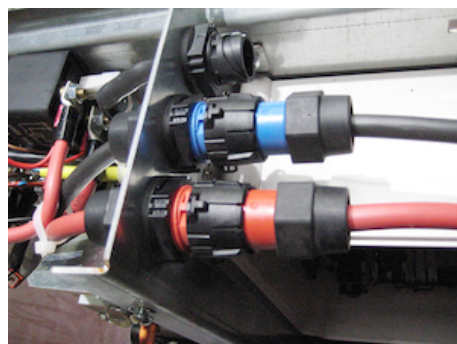
OWE008.4 - 4 button wand lead + emergency stop



OWE009.04 - 4m extension cable for wand lead



OWE009.06 - 6m extension cable for wand lead



OAE506 - CANNON plug for connection 25mm² cable



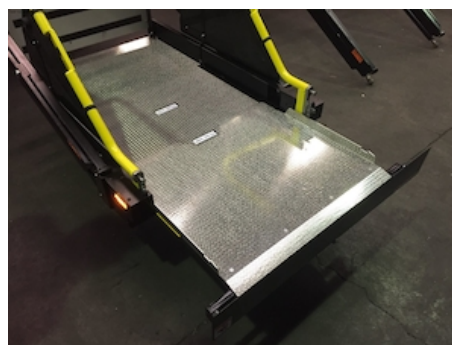
OAE463.25.10D - 2x10m battery cable 25mm² + Cannon plug



OAH006 - Hydraulic hoses + length



OWH007.1 - Split power pack



OWP014.1 - Manually extensible platform - optional



OAA501.05 - Transport container DH-CH102/103