

# Hiab Multilift Big Hooklifts LHZ range





# Maximum versatility and functionality

## **Power and versatility in one package**

Hiab Multilift LHZ hooklifts are designed for rough and heavy usage. State-of-the-art design tools, optimal construction and high quality components ensure that the hooklifts can cope with heavy loads day after day - the productivity of your business is guaranteed. Easy to use controls, smooth and accurate movements combined with long horizontal movement of the hook make LHZ hooklifts real versatility and power packages. Soft lowering of the body onto chassis and floating of main cylinders improve driver comfort and safeguard natural flexibility of the chassis during transport. Systems with lifting capacity from 14 000 kg up to 25 000 kg can be fitted to almost any vehicle. Systems are equipped with a hookarm that is both sliding and tilting. This allows for a wide variation of body lengths, extreme low pick-up angle and extra comfort on drawbar trailer operations.

## **Unbeatable characteristics**

The Hiab Multilift LHZ hooklift is equipped with a sliding and tilting hookarm. This in combination with optimised proportion of other lifting frames ensures the best operational geometry. The LHZ hooklift has an extremely low lifting angle during body change when both sliding and tilting functions are being used. Very low operational radius and optimised tipping angle enable the use of the system for a wide variation of transport tasks. Transferring the body onto a drawbar trailer or a wagon goes smoothly and easily, almost without lifting the body. Yet, in normal operations the system works like a normal sliding hook.

## Safety and quality always in focus

Safety is always in focus when using Hiab Multilift hooklifts. Load holding valves mounted directly on the cylinders and safety circuits in the control system virtually eliminate false use of the system. Hydraulic tipping and body locks are standard.

Latest technology and materials have been used in the design and construction of these hooklifts. 3D design programs, stress analysis methods, extensive field trials and high quality components ensure long lifetime and reliability of the system.

Steel castings are extensively used in areas where the stresses in construction are on a critical level. Extremely high and even quality of welding is accomplished through robot welding. All these safeguard the reliable use of the system and make the Hiab Multilift hooklift a safe and sound investment.

## Wide range of accessories

The Hiab Multilift LHZ hooklift offers the widest range of accessories. This means that the system can be tailored to meet the demands and needs of individual users of the hooklift.

Wide range of accessories include a hook with a pneumatic safety latch for closing the hook and keeping the hook bar always safely in the hook. Fast speed gives additional comfort to body change and boosts the already fast operations.

Additional hydraulic options enable various hydraulic functions to be added to the system, e.g. bogie blocking, trailer hydraulics and many others.



## Application examples

### Waste and recycling

Hiab Multilift LHZ systems handle both big volume fractions as well as heavy materials with ease.

Waste transportation to a landfill or an incineration plant as well as transportation of recyclable materials to re-use happens efficiently and reliably with a hooklift system.

Trailer for demountable body/bodies can easily be combined with LHZ hooklifts to enhance the effectivity and flexibility of transports, even on longer transport distances. With the help of Hiab Multilift LHZ hooklift, the transfer of the body on a special railroad wagon is no problem, thanks to long horizontal movement. Thanks

to low operational space requirement during pick-up, handling of containers in areas with restricted height is easy.

### Fire and rescue services

Hiab Multilift LHZ systems have proven to be an economic and flexible solution for fire and rescue logistics. One basic vehicle can handle multiple tasks while the body can be changed depending on the situation and needs. The investment on several specialised trucks can be eased by the use of a truck with a hooklift system and investing on different bodies and containers. Flexibility is ensured with lower investments.





## Advanced characteristics offer more

### **Building and construction**

LHZ hooklifts are on their best under heavy work. Therefore also on building and construction sites more and more Hiab Multilift systems can be seen. Heavy loads move easily from one place to another and bodies can be switched to trailer smoothly and easily. Tipping of goods happens fast and body change with fast speed saves time. Beyond soil, also machinery and demountable huts and offices move easily from one site to another with hooklift system.

### **Low operational radius for trailer applications**

LHZ hooklifts are equipped with a hookarm that is both sliding and tilting. This allows for a wide variation of body lengths, extreme low pick-up angle and extra comfort on drawbar trailer operations. Thanks to the very low operational radius transferring the body onto a drawbar trailer or a wagon goes smoothly and easily, almost without lifting the body.



## Advantages at a glance

- Low mounting height
- Easy to use
- Excellent safety features
- Unique control accuracy
- Fast tipping and body change
- Low operational costs
- Optimised construction – high net payload
- Automatic tipping and subframe lockings
- High resale value

# Hiab Multilift LHZ range Basic Data

TYPE		LHZ 190							
VEHICLE TYPE		2 axle							
GVW OF THE VEHICLE (t)		19							
G-LENGTH		46		51		56			
EXACT G-LENGTH (mm)		4600		5070		5600			
LIFTING CAPACITY (t)		14		14		14			
TIPPING CAPACITY (t)		14		14		14			
BODY LENGTH (internal) (m)		MIN		MAX		MIN		MAX	
with hook heights 1450/1570		3,1	2,9 <sup>1</sup>	5,8	3,4	3,2 <sup>1</sup>	6,3	3,8	3,6 <sup>1</sup>
SYSTEM WEIGHT (kg)		1900		1990		2090			
TIPPING ANGLE (°)		50		53		50			
HOOK HEIGHT (mm)		1570 <sup>2</sup>							
INSTALLATION HEIGHT (mm)		210 (250) <sup>3</sup>							
MAX. OPERATING PRESSURE (MPa)		30							
RECOMMENDED OIL FLOW (l/min)		60							

TYPE		LHZ 250							
VEHICLE TYPE		3 axle							
GVW OF THE VEHICLE (t)		25 / 26							
G-LENGTH		46		51		56			
EXACT G-LENGTH (mm)		4600		5070		5600			
LIFTING CAPACITY (t)		17		17		17			
TIPPING CAPACITY (t)		17		17		17			
BODY LENGTH (internal) (m)		MIN		MAX		MIN		MAX	
with hook heights 1450/1570		3,1	2,9 <sup>1</sup>	5,8	3,4	3,2 <sup>1</sup>	6,3	3,8	3,6 <sup>1</sup>
SYSTEM WEIGHT (kg)		2060		2150		2250			
TIPPING ANGLE (°)		50		53		50			
HOOK HEIGHT (mm)		1570 <sup>2</sup>							
INSTALLATION HEIGHT (mm)		210 (250) <sup>3</sup>							
MAX. OPERATING PRESSURE (MPa)		30							
RECOMMENDED OIL FLOW (l/min)		60							

<sup>1</sup> Hook height 1570mm.

<sup>2</sup> Other body standard Hook Heights also available.

<sup>3</sup> Mounting height (250mm) available on special request.

# Technics at a glance

## STEEL CONSTRUCTION

- Even quality with welding robots
- Steel castings used in critical areas - long lifetime, light, strong

## HYDRAULICS (PATENTED)

- Ingenious control system
  - 2-speed controls
  - Unique control accuracy
- Floating of main cylinders
  - Soft lowering of the body onto chassis
  - Better driving comfort
- Wrong movements virtually eliminated
  - Safety
- Leakagefree JIC couplings

## BODY LOCKINGS

- Hydraulic outside
- Hydraulic inside

## ACCESSORIES

- Pneumactical safety latch
- Safety hook
- Fast speed
- Bogie blocking
- Additional hydraulic functions

TYPE	LHZ 260									
VEHICLE TYPE	3 axle									
GVW OF THE VEHICLE (t)	26 / 32									
G-LENGTH	51		53		56		59		61	
EXACT G-LENGTH (mm)	5070		5300		5600		5870		6100	
LIFTING CAPACITY (t)	21 <sup>1</sup>	23,5 <sup>2</sup>	21 <sup>1</sup>	23,5 <sup>2</sup>	23,5 <sup>1</sup>	25 <sup>2</sup>	21 <sup>1</sup>	23,5 <sup>2</sup>	21 <sup>1</sup>	23,5 <sup>2</sup>
TIPPING CAPACITY (t)	22,5		22,5		21,5		20		20	
BODY LENGTH Min/Max (internal) (m)	3,2 - 6,3		3,4 - 6,5		3,7 - 6,8		4,0 - 7,1		4,2 - 7,3	
SYSTEM WEIGHT (kg)	2770		2820		2900		2970		3030	
TIPPING ANGLE (°)	58		54		53		56		52	
HOOK HEIGHT (mm)	1570 <sup>3</sup>									
INSTALLATION HEIGHT (mm)	250 <sup>4</sup>									
MAX. OPERATING PRESSURE (MPa)	30									
RECOMMENDED OIL FLOW (l/min)	90									

TYPE	LHZ 320											
VEHICLE TYPE	4 axle											
GVW OF THE VEHICLE (t)	26 / 32											
G-LENGTH	51		53		56		59		61		65	
EXACT G-LENGTH (mm)	5070		5300		5600		5870		6100		6420	
LIFTING CAPACITY (t)	21 <sup>1</sup>	23,5 <sup>2</sup>	21 <sup>1</sup>	23,5 <sup>2</sup>	23,5 <sup>1</sup>	25 <sup>2</sup>	21 <sup>1</sup>	23,5 <sup>2</sup>	21 <sup>1</sup>	23,5 <sup>2</sup>	20 <sup>1</sup>	22 <sup>2</sup>
TIPPING CAPACITY (t)	25		25		25		25		25		24	
BODY LENGTH Min/Max (internal) (m)	3,2 - 6,3		3,4 - 6,5		3,7 - 6,8		4,0 - 7,1		4,2 - 7,3		4,6 - 7,7	
SYSTEM WEIGHT (kg)	2790		2840		2920		2990		3050		3130	
TIPPING ANGLE (°)	58		54		53		56		52		48	
HOOK HEIGHT (mm)	1570 <sup>3</sup>											
INSTALLATION HEIGHT (mm)	250 <sup>4</sup>											
MAX. OPERATING PRESSURE (MPa)	30											
RECOMMENDED OIL FLOW (l/min)	90											

<sup>1</sup> Hook height 1450 mm    <sup>2</sup> Hook height 1570 mm

<sup>3</sup> Other body standard Hook Heights also available.

<sup>4</sup> Higher mounting heights available on special request.

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