

SERIES

**ELECTRIC  
SIDELOADER**

3100  
3101

Basic capacities from  
3000 kg to 7000 kg



World-class solutions to logistics problems!

[www.hubtex.com](http://www.hubtex.com)

**HUBTEX.**

## Features

No exhaust emissions or residues make the trucks perfect for indoor operation and no noise means you can use full power with HUBTEX proven technology:  
Electric Sideloaders – In a class of their own.



All main truck functions for drive and hydraulics are controlled by a single joystick and driver's foot pedal. Three high frequency Mosfet pulse regulators, ensuring control and reliability without loss of power. Drive and hydraulic functions are fully adjustable to suit the end users individual requirements.  
Modern pulse regulators work silently and their high frequency operation means long shift life per battery charge.



## Further advantages include

### driving...

... speed control of the high torque DC motor is made by high frequency Mosfet regulators. The concept of two motors with automatic differential lock and fully programmable for acceleration, speed, power and brake control are virtually maintenance free.

### hydraulic system...

... is powered by an energy efficient high frequency Mosfet regulator with microprocessor control. Quality high-pressure sensor and variable speed DC motor is silent in operation.

### energy utilisation...

... automatic energy recovery occurs when altering speed using high-frequency technology in association with DC motor. This ensures longer life for batteries and lower motor temperatures.

### combination braking system...

... multi-level motor brake assists the oil immersed disc brakes. Individual adjustments are possible to suit customer needs.

### steering...

... finger light with automatic load sensing saves power and makes for easy operation over long shifts.

### comfort cab...

... is spacious and provides an efficient and comfortable working environment for the operator. Emphasis is placed on good visibility, safety and ergonomics. The standard specification of the cab includes joystick controls for ease of operation, an approved health and safety seat and effective sound absorption making for a high level of comfort.

### chassis...

... quality structural steel chassis is welded to high standards for long life. Drive and steer axles are fully articulating to ensure constant ground pressure and stability.

### mast...

... high view mast frame allows good visibility, chains and hoses are well protected without obstructing the driver's view.

### mast reach...

... by cross cylinders to guarantee uniform, vibration-free movements. Mast reach damping at the final stage of retraction.



## Ergonomics

Working with the series 3100 and 3101 is a real pleasure. Everything is clearly arranged and easily accessible. The comfortable, ergonomic driver's workstation offers more elbow room and optimum all round vision. In addition the driver's cab is rubber mounted to reduce noise and vibration to a minimum. A full suspension seat is also fitted as standard.



## New Generation

Powerful state of the art, 80 V control for drive and hydraulic systems ensures smooth proportional control under all operating conditions. These modern high frequency Mosfet controllers have fully adjustable control parameters, are selfdiagnostic and even have a historic data memory to log any error conditions and reduce service engineers time.



## Maintenance

Easy access to all components as well as a self diagnostic system contribute to fast and cost effective maintenance keeping down time to a minimum.

Batteries are placed under the deck of the solid torsion chassis ensure an optimum spread of their weight and high stability, dust and splash-proofed drive train compartment are protected to IP54.

The multi-staged motor-brake releases the hydraulic brake, and this combination caters for individual driving techniques allowing safe and relatively wear-free operation.

## Quality and Safety

All HUBTEX trucks are built to the highest possible quality and safety standards and HUBTEX has been a DIN EN ISO 9001 certified company for over 7 years. Other standards including:

- Full compliance with existing and all known future EU regulations,
- All sideloaders have a full stability test to EN 1726-1 before delivery,
- Hydraulic overload-protection and load locking valves in lift cylinders,
- Quality welding to DIN 18 800 and to the highly acclaimed welding safety certificate DIN 15 018.



### Series 3100

Model	Basic capacity
S 30 E	3000 kg
S 40 E	4000 kg
S 50 E	5000 kg

### Series 3101

Model	Basic capacity
S 50 E	5000 kg
S 60 E	6000 kg
S 70 E	7000 kg

**“Let everybody do  
what he can do best!”** Cicero

# HUBTEX.



**Your reliable partner for siders – worldwide!**

**TECHNICAL DETAILS**

**3100/3101**

height over cabin:	Sh 2480/2700 mm
frame length:	L 4045/4660 mm
width till face of fork:	b 750/800 mm
loadbed width:	NB 1200 – 2100 mm
frame width:	B b + NB
mast reach:	V NB + 100 mm
height over loadarm:	Rh 770/960 mm
reach channel:	Ra 1300/1500 mm
clearance:	160/210 mm

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