Very low maintenance power for the future … for indoor and outdoor applications

**ELECTRIC**

**MULTIDIRECTIONAL**

**SIDELOADER**

SERIES

**2121**

**PU–PV–EL**

Basic capacities from 1500 kg to 3000 kg

AC technology

World-class solutions to logistics problems!

www.hubtex.com
**Features**

HUBTEX series 2121 is a robust and manoeuvrable sideloaders with multidirectional steering for the handling of loads up to 12 metres long and 2 metres deep. For 2 decades, customers the world over have trusted in the long-term reliability of HUBTEX-technology in a diverse range of applications.

Further advantages include:

- Application of PU tyres for internal use respectively either soft PU or cushioned tyres for combined interior and exterior use,
- The outstanding feature of this series is the well proven articulated frame to compensate uneven surfaces,
- Extremely low loadbed height gives improved utilisation of warehouse height,
- Reduced aisle width with optional roller guidance requires only 100 mm safety clearance per side between truck and racking,
- Fast cycle times are achieved with powerful 48 V, High Torque AC drive and hydraulic motors,
- Stable, strong lift mast with internally reeved hydraulics (No hose reels) are manufactured “in house” and have a high reserve of load capacity, even where large load centres are involved,
- Long term reliability and reduced running costs with high quality proprietary components from well established industrial suppliers,
- Ergonomically designed cabin with good all round view,
- Clearly arranged truck controls,
- Ergonomic joystick design with integrated driving direction preselect means drivers enjoy long periods behind the wheel.

**Ergonomics**

Working with the series 2121 is a real pleasure. Everything is clearly arranged and easily accessible. Sensitive full power, multidirectional steering with fingertip control give HUBTEX trucks extreme manoeuvrability with millimetre accuracy allowing them to operate quickly and easily in the tightest corners.

The comfortable, ergonomic driver’s workstation offers more elbow room and optimal all round vision. In addition the driver’s cab is rubber mounted to keep noise and vibration to a minimum. A comfortable full suspension seat is also fitted as standard.

All main driving and hydraulic functions are controlled from a single ergonomically designed joystick developed by HUBTEX. The joystick offers fully proportional lift/lower, mast reach and fork tilt, plus optional fork positioning & teleforks, without moving the hand from this single controller.
New Generation AC Technology

Based on the very latest motor control technology, series 2121 is equipped with powerful three-phase AC drive motors and pumps, which offers further advantages, such as:

- Very low maintenance enclosed motor construction with improved protection against moisture and dirt, especially suitable for outdoor application, even in poor weather conditions,
- Maintenance free electronic regenerative braking through solid state Mosfet controllers ensures maximum utilisation of battery power,
- 2 heavy-duty High Torque motors ensure optimum control. Starting on a gradient is no problem for the HUBTEX 2121 series truck. An "Anti-Rollback" feature ensures safety and gives the driver confidence,
- Higher final speed and better acceleration,
- Precise driving speed control for accurate positioning,
- No carbon brushes or electric contactors means substantially reduced operating costs,
- No carbon brushes means no danger of motor damage from bad service regimes,
- Solid state Mosfet control (without contactors) means reduced maintenance and improved long term reliability.

HIT² HUBTEX Information Terminal

Modern industrial on-board computer technology on HUBTEX sideloaders allows easy access to service information as follows:

- Password/key code access
- Date/time
- Working hours
- Battery capacity
- Maintenance cycles
- Speed
- Steering programme
- Wheel direction
- Fork tilt indication
- Status mode
- Telediagnostic service (Option)

Advanced driver and engineer information.

Maintenance

Modern 3-phase brushless drive motors and regenerative braking ensure fast smooth acceleration and deceleration while giving unrivalled economy of battery power. With no motor brushes or brake linings, service costs are appreciably lower and reliability improved. Modular construction of HUBTEX trucks ensures easy access for servicing and repairs even in narrow aisle situations. All assemblies are easily accessible reducing down-time and improving service engineer acceptance.

Quality and Safety

All HUBTEX trucks are built to the highest possible quality and safety standards and HUBTEX has been a DIN EN ISO 9001:2000 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.

<table>
<thead>
<tr>
<th>Model</th>
<th>Basic capacity</th>
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<tbody>
<tr>
<td>M 15</td>
<td>1500 kg</td>
</tr>
<tr>
<td>M 20</td>
<td>2000 kg</td>
</tr>
<tr>
<td>M 25</td>
<td>2500 kg</td>
</tr>
<tr>
<td>M 30</td>
<td>3000 kg</td>
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</tbody>
</table>

Tyres

Vulkollan (PU)  Soft PU (PV)  Elastic (EL)

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"body do best!" Cicero
HUBTEX sideloaders maximize your storage capacity!

**TECHNICAL DETAILS**

- **height over cabin:** Sh 2470 mm
- **frame length:** L 2760 / 2950 mm
- **width till face of fork:** b 664–1020 mm
- **loadbed width:** NB 800–1600 mm
- **frame width:** B b + NB
- **mast reach:** V NB + 100 mm
- **height over loadarm:** Rh 390 (PU/PV) / 495 (EL) mm
- **loadarm opening:** Ra 1340 mm
- **clearance:** 75 mm
- **tyres:** PU / PV / EL

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