

# ***HAWK 30*** **ELECTRIC MULTIDIRECTIONAL REACH TRUCK**

**Flexible and adaptable for efficient  
handling of pallets and long goods**

Load capacities up to 3 tons

Lift heights up to 9000 mm



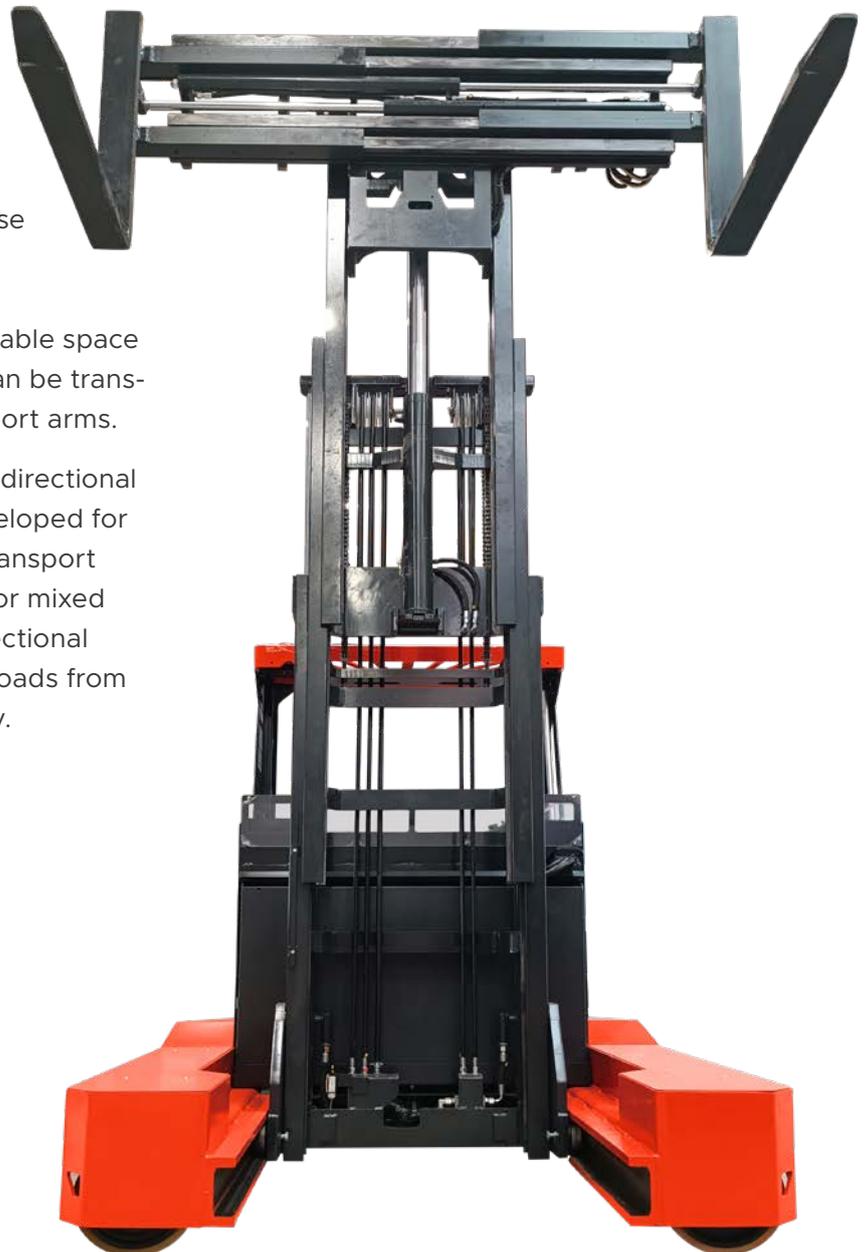
**DIMOS**

# ***HAWK* - SAFE AND COMPACT**

Storage space is limited, aisles are getting narrower and racks higher – therefore efficient goods handling requires compact and manoeuvrable trucks.

DIMOS reach trucks meet all of these criteria. Their reduced dimensions mean that the warehouse can be planned more flexibly and the available space used more optimally. And goods can be transported above or between the support arms.

The DIMOS HAWK 30 electric multidirectional reach truck has been specially developed for efficient pallet handling and safe transport of long goods. Your ideal partner for mixed applications. Thanks to its multidirectional steering, the HAWK picks up long loads from the side and transports them safely.



# A closer look at the **HAWK** electric multi- directional reach truck

## The idea

- Maximum directional stability and increased flexibility
- Orbital Drive 360° continuous steering
- Designed for outdoor use with PU Soft tires
- Electric steering = low energy consumption

## (Operator) comfort

- All-round visibility of load and control panel
- Cabin design based on customer requirements
- Choice of additional features and attachments
- Intuitive operation via multifunction display and joystick

## Technical expertise

- High residual capacity
- Powerful drive
- Regenerative braking using the drive
- Seamless changes in direction thanks to the Orbital Drive



| Properties                         | HAWK 30    |
|------------------------------------|------------|
| Load capacity (t)                  | 3,0        |
| Height of overhead guard (mm)      | 2240       |
| Headlength (12) (mm)               | 1440       |
| Chassis length (mm)                | 2112       |
| Overall length over forks (mm)     | 2590       |
| Chassis width on load side (mm)    | 1770       |
| Chassis width on driving side (mm) | 1270       |
| Mast reach (mm)                    | 770        |
| Support arm opening (mm)           | 918        |
| Height of support arms (mm)        | 440        |
| Ground clearance (mm)              | 50 – 80    |
| Turning radius (mm)                | 1515       |
| Tyres                              | PU/PU Soft |
| Aisle width (mm)                   | 2950       |
| Power output (kW)                  | 8,5        |



# **HAWK - PERFECT EVEN IN THE SMALLEST SPACE**

## **Compact powerhouse for use in narrow aisles**

Narrow aisles, high racks, minimal space, long loads – in these environments conventional trucks can quickly reveal their limitations or simply cannot be used at all.

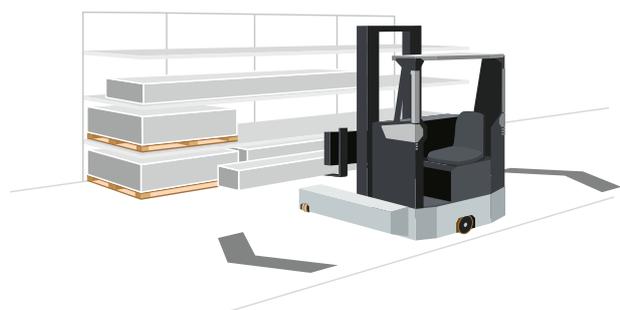
With the HAWK electric multidirectional reach truck, DIMOS offers a flexible series truck with 360° continuous steering for handling heavy loads of up to 3 t.

- Efficient, compact, manoeuvrable
- High load capacity
- 360° continuous steering

## **Perfectly equipped for all applications in narrow aisles**



Pallet handling



Mixed applications: handling of pallets and long goods

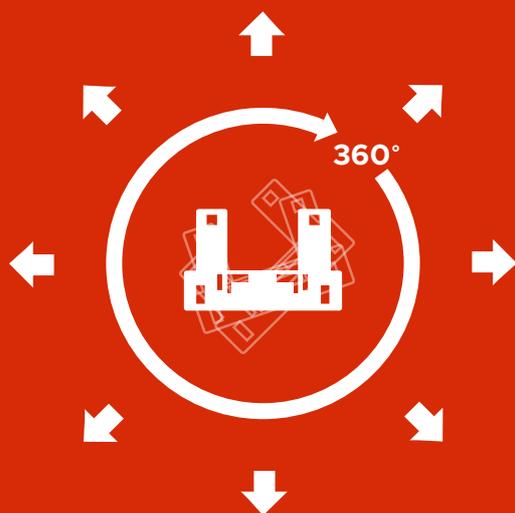
# CONVENIENT AND FLEXIBLE FOR EVERYDAY USE IN THE WAREHOUSE

## Continuous steering

The Orbital Drive from DIMOS puts an end to time-consuming turning and manoeuvres. Now there's just seamless 360° transitions.

It enables smooth changes between longitudinal, transverse and circular travel, while the HAWK consistently maintains its directional stability. Picking processes, storing and retrieving goods or loading and unloading trucks – all tasks are completed quickly and conveniently without taking up large amounts of space.

In addition, DIMOS provides a large number of pre-set steering programmes that the operator can activate depending on the driving experience and the situation.



- MINIMUM TURNING RADIUS
- LONGITUDINAL TRAVEL,  
TRANSVERSE TRAVEL,  
CIRCULAR TRAVEL,  
DIAGONAL TRAVEL
- THE FASTEST POSSIBLE  
CHANGE OF DIRECTION
- EFFICIENT AND SAFE DRIVING

Change direction at any time while on the move.

## Chassis and drive

The HAWK has a sturdy 3-wheel chassis and offers excellent stability even without additional anti-tilt devices.

On the load side, there are two braked double load rollers. These double rollers reduce the wheel wear and point load, which protects the ground and infrastructure. The height of the support arm is also minimised, which in turn increases storage capacity. The integrated load wheel brake ensures a high degree of directional stability during braking manoeuvres and ensures safe driving on ramps.

While the powerful drive motor on the drive side produces speeds of up to 13 km/h.



Different options for tyres make the truck extremely versatile: PU tyres are suitable for indoor use on industrial floors, PU SOFT tyres can be used both indoors and out, even on uneven floors and asphalt.

### REDUCED ENERGY CONSUMPTION THANKS TO ELECTRIC STEERING

The steering and the traction drive are fully electric and therefore operate without hydraulics. This makes the HAWK even more energy efficient.



## Lift system

### Lift mast

DIMOS develops and constructs the lift systems in-house. Internal production allows DIMOS the flexibility to respond to customer requests.

Simplex, duplex and triplex masts with lift heights of up to 9000 mm can all be customised for the HAWK. For lift heights up to 6000 mm, DIMOS uses a mast tilt. At even greater lift heights, a fork carriage tilt is used. The benefit of this is that the HAWK retains almost the same load capacity even at high lift heights.

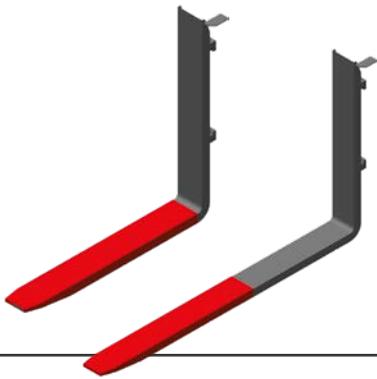
### Types of fork carriage

Various types of fork carriage can be integrated into HAWK trucks:

-  Standard fork carriage with or without sideshift and manual fork positioner
-  Standard fork carriage with sideshift and hydraulic fork positioner
-  Telescopic long goods fork carriage with sideshift and hydraulic fork adjustment over the chassis width

### Telescopic forks

The loading and unloading of trucks, the storage and retrieval of goods at height, the internal transport and even the handling of reels can all be easily managed with the help of optional telescopic forks.



## Comfort cabin

The driver's cabin is designed to offer the driver the best possible comfort. The operating concept is simple, convenient and trouble-free. And the uncluttered display make it easier to navigate and work without interruptions.

-  Ergonomic seating position
-  All-round visibility
-  Cabin with low entry height

The truck is sensitively and intuitively controlled via the joystick. The use of plastic is also kept to a minimum, making the components very robust.



-  Simple and durable
-  Various assistance systems available



## Additional equipment and attachments

Whatever the requirement, the right additional equipment is always available. The HAWK can therefore overcome any challenge.

-  Working and safety lighting
-  Camera systems
-  Lift height indicator
-  Mast tilt indicator
-  Fork zero position

# ***HAWK* - EXCEPTIONAL IN EVERY WAY**



## Energy

The HAWK is available with different energy packages.



### LEAD-ACID BATTERY

- 48V-620 Ah
- Low acquisition costs
- Most economical solution in 1-shift operation
- Charging times from 5.5 hours

### LITHIUM-ION BATTERY

- 48V-444 Ah
- Higher acquisition costs
- Most economical solution in multi-shift operation
- Short charging times of less than 2 hours
- Maintenance-free
- Less energy consumption
- Longer service life
- High availability thanks to extremely short charging times
- No battery replacements required
- No charging areas and ventilation necessary, since no gas is formed

Depending on the field of application, the HAWK is equipped with the best possible energy concept. A full consultation is also part of the service.



We're here to help.  
Just get in touch!

**DIMOS** 

**DIMOS Maschinenbau GmbH**  
Gewerbegebiet Petersberg Ost  
Billèrer Straße 1  
36100 Petersberg  
t: +49 661 941 40-0  
info@dimos-maschinenbau.de  
www.dimos-maschinenbau.de