



Modular very narrow aisle (VNA) dual purpose combi truck up to 1500 kg capacity K

SERIES 011

Safety

The new K range is a versatile, dual-purpose rising cab VNA system truck designed for high density storage and retrieval of unit loads, as well as order picking in very narrow aisles. In addition to modern, functional styling, the K range provides an environment in which the operator can work in complete comfort and safety.

Performance

Intuitive use of the control panels enables throughput of goods to be increased without removing the hands. The operator can check the truck's status via the multi-functional display in the control panel. Designed for low energy consumption, the K truck also returns energy to the battery during braking and main mast/cab lowering.

Comfort

The K truck enables the operator to immediately feel at ease and acclimatised. With protection against draughts and noise, the cab offers a comfortable operational environment and allows the operator to work effectively and with minimum fatigue.

Reliability

Modern technology, combined with Linde's vast experience in very narrow aisle applications, guarantees high quality and extended product life. CAN bus diagnostics enable rapid fault finding and repair.

Productivity

The unique modular design ensures that an individual K truck's specification can be tailored to match the application precisely in order to maximise productivity at all times. The smart electronics of Linde System Control (LSC) continuously monitors the truck's technical potential in order to deliver optimum simultaneous lift and travel speeds relative to lift height and load weight.

Linde Material Handling

Linde

Equipment

Standard equipment

Modular designed truck for perfect customization

Operators compartment

Operators cabin "Combi" for easy stacking or order picking

Height adjustable and stowable fabric seat

Suspension-mounted cab to absorb shock and vibration

Very soft and comfortable platform surface

Steering knob

Truck access via key

Low step on height for easy on and off

Optic and acoustic user guidance with signalling

Basic functions without changing position of grip

Multipurpose display with keypad

Sensor area for 2nd hand for 2 handed driving

Throughput

LSC standard

Synchronized lowering

Energy recovery when braking or lowering the cabin

Mast Forks

L Head or telescopic forks

Motors

7 KW drive motor

20 KW lift motor

Optional equipment

Operators compartment

Different types of cabins (combi, truck, comfort, closed, coldstore)

Comfortable seats (air suspended, heated, adjustable backrests, armrests, etc.)

Polycarbonate cover for overhead guard

Radio preparation integrated in the overhead guard

Rearview (left/right) and panorama mirror

Clipboard DIN A4

Wind protection for lateral doors and loadside (glazed doors and cabin)

Cushion for cabin barrier

Operator fan in the overhead guard

Lighting for operators compartment

Working lights into racking

Steering wheel

PIN code access

LFM

Extendable fixing point on overhead guard for emergency escape harness

Different speed reductions and end aisle stop options

Personal safety equipment (PSE)

Lifting and driving cut off

Non contact collision avoiding sensor

Audible warnings

Masts / Forks

Standard masts: 11800 mm

Triplex masts available up to 12850 mm lift height

Different masts for supplementary lift

Mast bracing

Telescopic forks

Forks for different pallet sizes

Manual or hydraulical adaptable forks

Gear rack cover of L-Head

Throughput

LSC with load recognition, load sensor or weight and load recognition

Automatic fork cyclus

Overreach of forks

Lift height preselection

Drive

Different drive and lift motors available

Rail or wire guidance options

Safety

Load wheel brake for increased safety at emergency stop

Improved residual capacity

Battery

Different battery (compartment) sizes

Battery roller for lateral change

Battery carrier

Cable for additional battery

Electrical verification for battery lock

Side covering for battery

Environment

Cold store protection (optional with 2nd sliding door, Intercom)

Antistatic guide rollers

Service

Hydraulic oil filling assistance

Features

Cabin

- 5 different cabins available (combi (Standard) / truck / comfort / closed / cold store)
- Reduced shock and vibration due to the isolation of the cab from the chassis
- Easy and low heights access
- Different comfortable and adjustable seat options



Modular concept

- Unique modular designed truck enables the perfect specification for each application
- Combination of different lift and drive motors (heavy duty/normal), chassis, masts, batteries, cabins, etc.

Control panels

- Easy and comfortable use, without the need to encompass
- Combined driving and lifting/lowering
- Always in perfect reach, for the heights of the panels can be adapted

Linde System Control (LSC)

- The Linde system control (LSC) represents a significant advance in the smart control of VNA trucks
- LSC Standard dynamical diagram of residual capacity depending on the actual speed and lifting heights.
- LSC with load recognition 3.1. Detection of load. additional lifting functions are adjusted
- With load sensor 3.2. Detection of load. Additional lifting functions are adjusted as well the driving parameters.
- LSC with weight and load recognition 3.3. Driving profile depending on the actual transported weight. Plus the 3.1 optimization

Braking

- 2 independent wearless working braking systems:
 - electric regenerated braking actuated as the accelerator is released or opposite direction of travel is selected
 - electromagnetic, spring loaded parking and emergency brake



Mast

- New modular design for exceptionally stable low deflection characteristics
- Different standard and triplex masts for all headroom requirements
- Automatic soft stop of lift, rotate and traverse movements

Drive

- Encapsulated, maintenance free AC drive motors
- 3 different motors for different applications

Batteries

- Battery changing from both sides possible through forklift or roller bed
- 4 different battery sizes available (420Ah - 930Ah)

Subject to modification in the interests of engineering progress. Illustrations and technical details non-binding for actual construction. All measurements subject to customary tolerances.

