

Linde X range

Everything within reach
The revolutionary Linde X range
of reach trucks R14 X- R17 X

Linde Material Handling

Linde





The competitive edge. It was a challenge for the Linde designers to improve on the already proven excellence of the Linde reach truck series, but with the exciting new X range they have done just that. The revolutionary design virtually doubles the operator's space. It provides superb ergonomics and a panoramic view through the unique ultra-wide fixed mast, enabling high productivity to be consistently achieved.



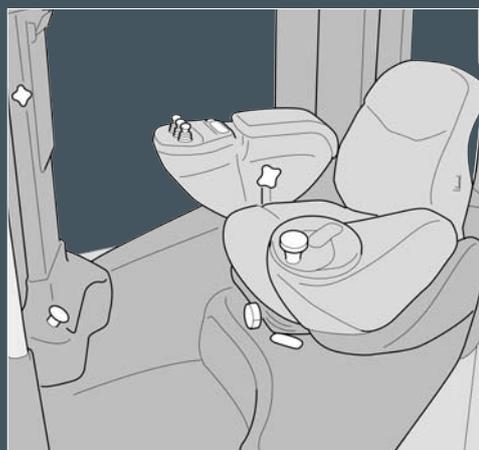
Smooth, seamless travelling and manoeuvring and superb all-round visibility.



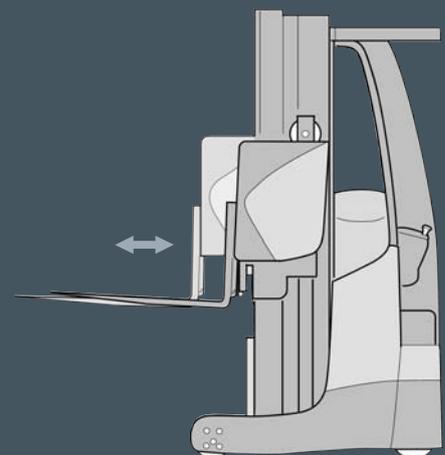
Linde X range: the visible difference.

The X range has turned conventional reach truck design on its head by removing the primary cause of space restriction, namely the battery, which is now located under the cabin, giving the operator twice as much space and a superbly ergonomic control layout.

A unique and exceptionally stable mast. The ultra-wide mast is fixed to the chassis and no longer reaches forward and backward. Instead, a traversing fork carriage carries out this function. In its fixed 'reached back' position the mast has a significant ballasting effect to provide impressive dynamic stability when travelling or undertaking storage/retrieval cycles. As a result, dynamic load oscillations even at high lifts are minimal, enabling faster, safer load handling cycles to be achieved. The traversing fork carriage has much less distance to travel than a conventional moving mast and this also reduces cycle times for increased productivity. The exceptionally wide space between the mast uprights provides the operator with unrestricted visibility.



The seat is located closer to the ultra-wide mast 'window' for superb visibility and safe, assured load handling.



The fork carriage traverses backwards and forwards and has a very short travel distance.



Linde

Superb ergonomics.

The most spacious reach truck workstation ever. The Linde X range ergonomics enable the operator to totally focus on the task in hand for optimum stress-free efficiency. The wide, adjustable full suspension seat is easily accessed and exited. It has two adjustable armrests with a compact steering wheel integrated into the left armrest and fingertip hydraulic control joysticks integrated into the right armrest for effortless control of all hydraulic functions. The adjustable controls and seating ensure the perfect interface and interaction with the equipment. A choice of Linde twin or single accelerator pedal systems provides further flexibility to match specific customer requirements.

A unique working environment provides the competitive edge. With the battery relocated, there is no restrictive battery box or console so the seat position is closer to the mast to allow a panoramic view through the ultra-wide 'window'. The head-up digital instrument display gives a clear overview and status of all the key truck functions. The super-comfort operator's seat offers a comprehensive range of height and angle adjustments as well as variable lumbar support, enabling the perfect driving posture for every operator. Linde X range reach trucks ensure that the operator is comfortable and motivated, resulting in improved productivity and profitability for storage operations in every type of commercial and industrial enterprise.



Efficient, stress-free working.

High throughput with fingertip precision. More output, less effort. The Linde X range offers an environment which allows intuitive operation from the very first moment. The profiled fingertip-controlled joysticks are designed for effortless precision handling in intensive, multiple shift applications.

Faster, safer working in narrow aisles. Faster and more efficient storage retrieval cycles in narrow aisles are made possible with the new Linde X range of reach trucks. A very compact chassis, responsive, electric rheological steering and an exceptionally stable, high visibility fixed mast are just some of the features delivering the competitive edge.

Be seated for an uplifting experience. One of the most important ingredients for efficient working is the seat. The Linde X range seat offers a wide, supportive seat and back squab combined with a full range of height and lumbar adjustments. The result is a superbly comfortable working posture, which raises and sustains the efficiency levels of both the operator and the machine in busy warehouse operations.

Integrated fingertip Linde Load Control provides effortless and fluid handling of loads in all storage and retrieval operations.

The informative head-up digital display ensures that the operator is always aware of the truck's operational status.

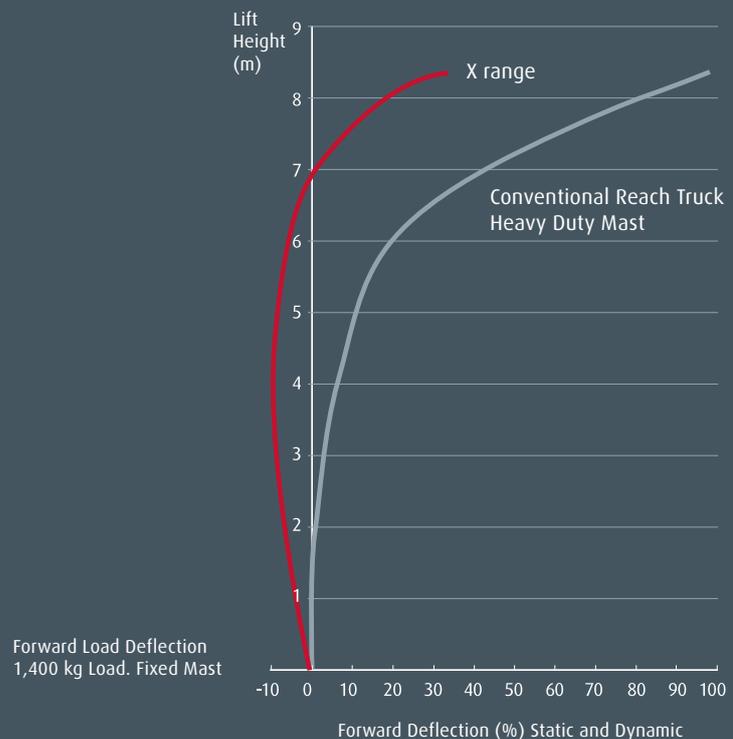




The X range mast – a world exclusive.

Impressive stability and high residuals. Faster, safer cycle times and lower costs. Introducing the first truly panoramic mast: The visible difference between conventional masts and the Linde X range ultra-wide mast is the panoramic view it provides. The view through the uprights is more than twice as wide as conventional reach trucks. In this revolutionary design the mast is permanently fixed to the chassis while the fork carriage traverses backward and forwards and has a very short travel distance. This advanced design saves energy and minimises dynamic load movements for significantly faster cycle times.

70 % shorter travel distance and less energy consumption. Compared with a conventional reach truck with moving mast, the Linde X range traversing fork carriage has a 70 % shorter reach travel distance of only 170 mm. So the reach cycle is much quicker and productivity is therefore increased. Energy consumption is also reduced because the mass of the mast no longer has to be powered forward and backward during the reach cycles.







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R14X

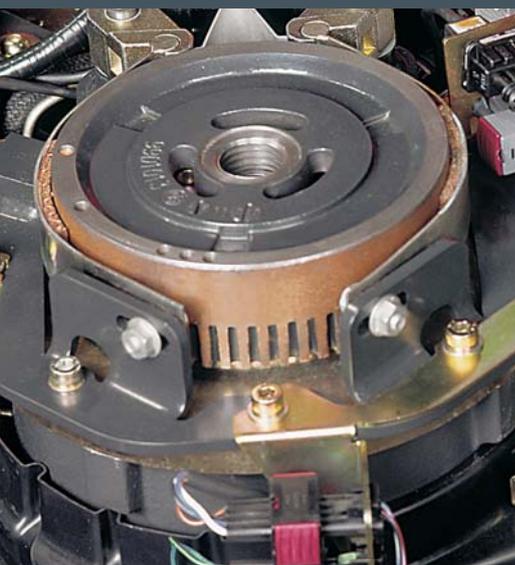
Attention to detail. For the customers' benefit.

The outstanding X range reflects the designers' attention to detail in order to create a product that addresses all customers' narrow aisle handling issues to give the best ever operator comfort, productivity, safety and efficiency levels, combined with lower operating costs.

Travelling, manoeuvring, lifting or lowering. High performance power with refined, precision control. Smart Linde industrial electronics provide the fluid conversion of power into mechanical motion which is essential for safe, economical handling. The advanced Linde digital controller provides seamless power-flow from the battery to the powerful AC traction and lift motors. All truck functions are precisely controlled to deliver power that is matched to the task in hand for safe, precision load handling and manoeuvring. An integrated CAN bus allows analysis of the truck service data either on site or remotely for rapid diagnosis and faster service routines. Responsive, regenerative electric braking is also a standard feature.

The unique Linde steering. Making light work of daily routines. Only the superbly responsive Linde rheological electric steering provides the reassuring 'road feel' when travelling. The steering resistance can be adjusted to suit every type of application and operator.

Impressive flexible power with low maintenance. Motive and lifting power is delivered via the powerful Linde maintenance-free traction and lift motors. The drive motor incorporates a fail-safe electro-magnetic parking brake. All-wheel braking and electric regenerative braking are standard features.

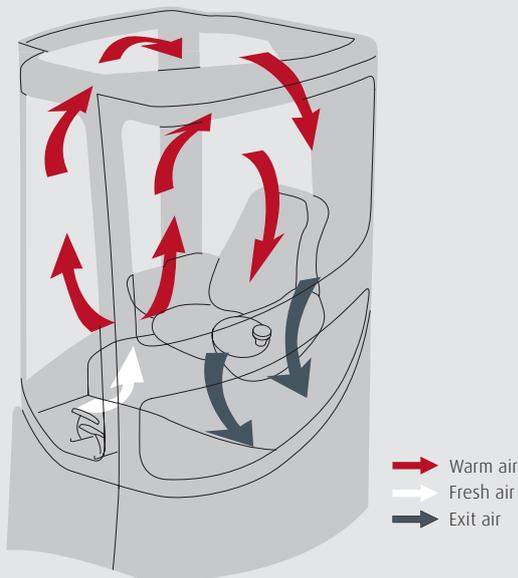


Customised solutions.

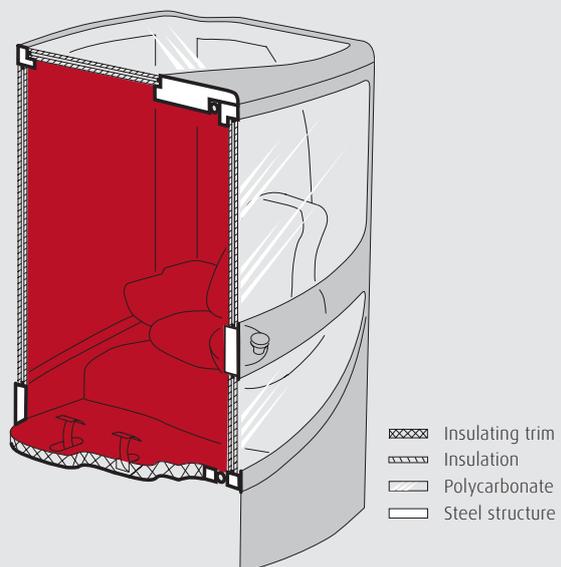
Designed to integrate and handle every type of load. The Linde X range is able to operate in virtually any type of warehouse, whether in manufacturing, retail or third party distribution. It will seamlessly integrate with existing equipment, making fleet renewal or replacement extremely cost-effective. There is a wide choice of specifications and options to match individual needs precisely.

Warm comfort at -30°C. Probably the most challenging working environment for any operator and equipment is the cold store industry. The Linde X range is perfectly prepared for these ice-cold conditions. Inside its new, totally insulated cold store cab it offers a warm, comfortable and spacious environment. The operator has no need for cumbersome, restrictive cold store clothing. The temperature level can be selected to suit and all-round visibility comes as standard – thanks to the large windows with integrated heating elements. Productivity improvements of up to 40% are possible with the Linde cold store cab.

Temperature inside the cold store cab is selected by the operator and maintained at a comfortable level with continuous air exchange.



Double insulation, non-reflecting materials and a two way intercom put the finishing touches to operator comfort and safety in a warm, draught-free environment.





Linde
R16X

Addressing your individual handling issues.



Single axis joysticks offer the conventional operating mode instead of the dual axis layout.

Single accelerator pedal as an option in lieu of standard Linde twin pedals.



PIN code keypad prevents unauthorised truck use.

Data communication – many proprietary warehouse management systems available for mobile online data transfer.



Lift height preselector is programmable for up to 99 shelf levels for safe, precise and economical load handling at any height.

CCTV is the ideal solution for high lift storage, retrieval or stock auditing.

Mobile bar code reader for efficient, error-free online data transfer.

Seat options – fabric or PVC, both available as swivelling version.

The Linde truck - designed around customer needs. In order to deliver a truck matched to individual business issues, Linde offers a wide range of additional options. Customers can select a customised bespoke specification that addresses their handling issues.



Model	R 14 X
Series	116
Capacity	1,400 kg
Mast	Fixed Maximum lift – 9,500 mm
Features	The economical solution for handling loads up to 1,400 kg to medium lift heights. The compact short wheelbase chassis is ideal for operation in narrow aisle applications

The product range.

With four models in the Linde X range and a wide selection of mast, chassis and battery combinations, the modular construction ensures that a specification can be profiled to suit virtually every warehouse application.



R 16 X

116

1,600 kg

Fixed

Maximum lift – 11,500 mm

These compact models feature a range of higher capacity batteries and increased lift height capability



R 17 X

116

1,700 kg

Fixed

Maximum lift – 11,500 mm

Featuring a longer wheelbase, the R 17 X is designed for heavier load handling in high bay applications



R 17 X HD

116

1,700 kg

Fixed

Maximum lift – 11,500 mm

The R 17 X HD is designed for the most intensive applications where high residual capacity at maximum lift heights is required in conjunction with maximum battery power

All X range models are fitted with powerful AC maintenance-free traction and lift motors as standard.



With annual sales exceeding 100,000 forklift and warehouse trucks, Linde ranks among the world's leading manufacturers. This position has been justly earned. Linde trucks excel not only with their recognized innovative technology but especially their low energy and operating costs, which can be as much as 40% less than competitors.

High quality in production is matched by the standard of the services we provide. With our ten manufacturing plants and a comprehensive network of local sales partners, we are at your call around the clock and around the world.

Your local Linde partner offers you a complete single-source package. From qualified pre-sales consulting through the sale to after-sales service; including finance packages matched to your business requirements. Leasing, rental or hire purchase. Flexibility is maintained in your operational and decision-making processes.

Excellence at work.

Linde Material Handling

Linde

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