



Electric Reach Trucks Capacity 2500 kg R 25 S *Active* SERIES 115-03

Safety

The R 25 S Active has been designed to handle heavy loads in intensive narrow aisle warehouse applications that require rugged durability and high performance, combined with superb operator comfort and safety for maximum efficiency.

Performance

The Linde Active drive concept employing advanced Linde control technology translates the powerful output of the AC motors into seamless productivity.

A comprehensive selection of batteries ensures that each truck is precisely matched to the demands of individual applications.

Comfort

A perfect interface between operator and truck has been achieved with the Linde ergonomic design concept, including spacious cab, comfort-class seat with lumbar support and intuitive layout of all controls. The operator's working environment ensures optimum performance.



Linde Material Handling

Linde

Reliability

The Linde Active range is constructed for heavy, sustained duty. Its compact robot-welded chassis is designed for maximum strength and durability. The rugged construction and components provide a low centre of gravity for excellent stability and high residual capacities.

Productivity

Efficiency at work, efficiency in servicing. With uptime ratios of 1000 hours between services and a computerised diagnostic system, maintenance intervals are minimal and operating costs are reduced.

All the truck's performance parameters can easily be configured to match the requirements of the customer's application.

Standard and optional equipment

Standard equipment

General

Three-wheel configuration
Overall width (reach legs) 1250 mm
Linde Load Control for lift/lower, reach, tilt and sideshift
Linde twin accelerator pedals
Full suspension fabric seat with electric lumbar support
Comprehensive digital instrument display
6.5 kW maintenance-free AC drive motor
14 kW maintenance-free AC lift motor
Polyurethane drive and load wheel tyres
Self-adjusting service wheel brakes
Linde proportional 180° electric steering
Clearview triplex mast lift 4655 mm
Tilting carriage and integral sideshift
Fork length 1150 mm
Standard colour scheme vermilion and charcoal grey

Batteries and chargers

48 V, 600 Ah & 700 Ah
Wide selection of chargers available to suit application

Electronics

Linde Digital Control system (LDC) incorporating CAN bus technology

Safety

Monitoring system stops truck in the event of traction, steering or lift failure
Three independent braking systems
All-wheel braking
Emergency isolator
Seat-actuated traction interlock
Electric horn
Automatic slowdown at end of reach travel
Protective polycarbonate screen between control console and mast
Battery locking interlock
Electrical and hydraulic overload protection
Overhead guard

Mast

Torsion-resistant fixed standard clearview mast
Tilting fork carriage
Integral sideshift
High residual capacities

Optional equipment

Standard mast lifts to 4550 mm
Duplex mast lifts to 3665 mm
Triplex mast lifts to 7905 mm
Single accelerator pedal, automotive layout with left foot interlock
Alternative fork lengths
Fork extensions
Load backrest
Single axis joysticks for all hydraulic functions
Audible traction alarm
360° steering (single accelerator pedal only)
Seat heater
PVC seat material

Seat back extension
Variable electronic drive unit brake
PIN access
LFM
Seat interlock alarm
Working lamps/beacons
Additional hydraulics
Mesh or polycarbonate protection on overhead guard
Profiled overhead guard for drive-in racking
Side guidance wheels
Battery on rollers
Battery roller stand
Alternative colour schemes

Other options available on request

Technical data

Characteristics	1.1	Manufacturer		LINDE	
	1.2	Model designation		R 25 Active	
	1.3	Power unit: battery, diesel, petrol, LP gas, mains power		Battery	
	1.4	Operation: manual, pedestrian, stand-on, seated, order picker		Seated	
	1.5	Load capacity	Q (kg)	2500 ³⁾	
	1.6	Load centre	c (mm)	600/500	
	1.8	Axle centre to fork face	x (mm)	209	
	1.9	Wheelbase	y (mm)	1520	
	Weights	2.1	Service weight	kg	4220 ³⁾
2.3		Axle load without load, front (drive)/rear (load)	kg	2370/1850 ³⁾	
2.4		Axle load, fork outreached with load, front (drive)/rear (load)	kg	620/6100 ³⁾	
2.5		Axle load, fork retracted with load, front (drive)/rear (load)	kg	1630/5090 ³⁾	
Wheels and tyres		3.1	Tyres, front (drive)/rear (load) C = cushion rubber, P = polyurethane		P/P
	3.2	Tyre size, front (drive)	mm	Ø 343 x 135	
	3.3	Tyre size, rear (load)	mm	Ø 350 x 100	
	3.5	Wheels, number front (drive)/rear (load) (x = driven)		1x/2	
	3.6	Track width, front (drive)	b10 mm	0	
	3.7	Track width, rear (load)	b11 mm	1150	
	Dimensions	4.1	Mast/fork carriage tilt, forward/backward	α/β (°)	2/4
4.2		Height of mast, lowered	h1 (mm)	2254	
4.3		Free lift	h2 (mm)	150	
4.4		Lift	h3 (mm)	3050 ¹⁾	
4.5		Height of mast, extended	h4 (mm)	3707	
4.7		Height of overhead guard (cab)	h6 (mm)	2110	
4.8		Height of seat, minimum/maximum	h7 (mm)	940/1030	
4.10		Height of reach legs	h8 (mm)	373	
4.19		Overall length	l1 (mm)	2679	
4.20		Length to fork face	l2 (mm)	1529	
4.21		Overall width	b1/b2 (mm)	1235/1250	
4.22		Fork dimensions	s/e/l (mm)	50 x 120 x 1150	
4.23		Fork carriage to DIN 15173, class/form A, B		2A	
4.24		Width of fork carriage	b3 (mm)	820	
4.25		Fork spread, minimum/maximum	b5 (mm)	335/715	
4.26		Width between reach legs	b4 (mm)	922	
4.28		Reach travel	l4 (mm)	444	
4.31		Ground clearance, mast	m1 (mm)	150	
4.32		Ground clearance, centre of wheelbase	m2 (mm)	75	
4.33		Aisle width, pallet 1000 x 1200 across forks	Ast (mm)	2967	
4.34	Aisle width, pallet 800 x 1200 along forks	Ast (mm)	3044		
4.35	Turning radius	Wa (mm)	1775		
4.37	Length of chassis	l7 (mm)	1911		
Performance	5.1	Travel speed, with/without load	km/h	13.5/13.5 ³⁾⁴⁾	
	5.2	Lifting speed, with/without load	m/s	0.30/0.40 ³⁾⁴⁾	
	5.3	Lowering speed, with/without load	m/s	0.45/0.40 ³⁾	
	5.4	Reach speed, with/without load	m/s	0.15/0.15 ³⁾	
	5.7	Climbing ability, with/without load, 30 minute rating	%	3.9/7.1	
	5.8	Maximum climbing ability, with/without load, 5 minute rating	%	10/10	
	5.9	Acceleration time, with/without load	s	5.8/5	
	5.10	Service brake		Hydraulic/electric	
	Drive	6.1	Drive motor, 60 minute rating	kW	6.5
		6.2	Lift motor, 15 % rating	kW	14
6.3		Battery to DIN/IEC		43531C/254-2	
6.4		Battery voltage/rated capacity (5 h)	V/Ah	48/700	
6.5		Battery weight (±5 %)	kg	1119	
6.6		Power consumption to VDI cycle	kWh/h	⁵⁾	
Other	8.1	Type of drive control		Electronic/stepless	
	8.2	Working pressure for attachments	bar	200	
	8.3	Oil flow for attachments	l/min	6.5	
	8.4	Noise level at operator's ear	dB (A)	64 ⁶⁾	

1) For all other heights, see table

2) Capacity may be reduced for high lifts

3) Traction, lift, lower and reach speeds and weights may vary with alternative lift heights

4) Reduced speed and acceleration on request

5) Refer to manufacturer for figures

6) Figure shown is without cab; 66 dB (A) when cab fitted



Features

Superb working environment

- Linde Load Control: Precise, effortless fingertip control of all mast movements
- Ergonomic, full suspension comfort-class seat fully adjustable to the operator's personal preferences
- Adjustable steering console



Stability

- Chassis designed and built for maximum strength and durability
- Heavy-duty construction materials and components provide low centre of gravity for stability and high residual capacities

Manoeuvrability

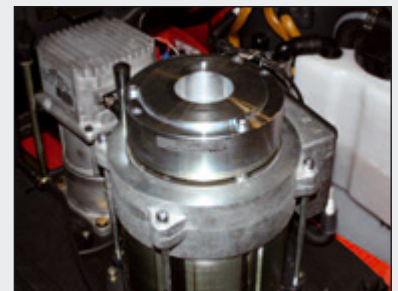
- A short wheelbase, compact chassis dimensions and smooth electric power steering ensure easy and efficient manoeuvring

Linde clearview mast

- Torsion-resistant fixed clearview mast

Linde twin accelerator pedals

- Effortless forward/reverse selection places minimal demands on operator
- Operator is able to maintain high efficiency and productivity levels



Precision

- Assured manoeuvring with Linde twin accelerator pedals
- Precision load handling with Linde Load Control
- Responsive, progressive and adjustable electric steering with essential 'road feel'
- Digital instrument display for instant read out of truck status
- Excellent visibility of load and surrounding environment

Batteries

- Capacities to suit heavy-duty applications: 600 Ah & 700 Ah
- Quick and easy battery change

Servicing

- Maintenance-free AC traction and lift motors
- Configurable Linde Digital Control system
- Incorporates diagnostic technology
- Easy service access
- Up to 1000 operating hours between services

