



Electric Reach Trucks

Capacity 1400 kg – 2000 kg
R 14 G, R 16 G, R 20 G *Active* SERIES 115-03

Safety

Designed for optimum operator comfort and safety, The Linde ACTIVE 'G' range can perform a dual-purpose role in both internal and external applications. Unique drive unit suspension and large tyres enable it to operate effectively outside on uneven surfaces, loading and unloading road vehicles, for example; as well as storing and retrieving loads in narrow aisle warehouses.

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) 1366mm (R 14G & R 16G), 1470mm (R 20G)
Linde Load Control for lift/lower, reach, tilt and sidelift
Linde twin accelerator pedals
Full suspension PVC seat with electric lumbar support
Comprehensive digital instrument display
6.5 kW maintenance-free AC drive motor
14 kW maintenance-free AC lift motor
Superelastic load wheel tyres
Cushion rubber drive wheel tyre
Self-adjusting service brakes
Linde proportional 180° electric steering
Clearview triplex tilting mast lift 4955mm (R 14G & R 16G), 4655mm (R 20G)
Fork length 1150 mm
Standard colour scheme vermilion and charcoal grey

Batteries and chargers

48 V, 560 Ah to 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 maximum lift
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 tilting triplex clearview mast
Integral sideshift
High residual capacities

Optional equipment

Triplex tilting mast lifts to 6955 mm (R 14G & R 16G), 7455mm (R 20G)
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
Seat heater

Fabric seat material
Seat back extension
Variable electronic drive unit brake
Ambient cab
PIN access
LFM
Working lamps/beacons
Additional hydraulic circuit
Mesh or polycarbonate protection on overheard guard
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 14 G 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)	1400 ³⁾	
	1.6	Load centre	c (mm)	600/500	
	1.8	Axle centre to fork face	x (mm)	326 ²⁾	
	1.9	Wheelbase	y (mm)	1380	
Weights	2.1	Service weight	kg	3288	
	2.3	Axle load without load, front (drive)/rear (load)	kg	1962/1326	
	2.4	Axle load, fork outreached with load, front (drive)/rear (load)	kg	723/3965	
	2.5	Axle load, fork retracted with load, front (drive)/rear (load)	kg	1697/2991	
Wheels and tyres	3.1	Tyres, front (drive)/rear (load) C = cushion, SE = superelastic		C/SE	
	3.2	Tyre size, front (drive) wheel		18 x 8 x 12 ^{1/8}	
	3.3	Tyre size, rear (load) wheel		180/60-10	
	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)	1245	
	Dimensions	4.1	Mast/fork carriage tilt, forward/backward	α/β (°)	2/4
4.2		Height of mast, lowered	h1 (mm)	2225	
4.3		Free lift	h2 (mm)	1361	
4.4		Lift	h3 (mm)	4955 ¹⁾	
4.5		Height of mast, extended	h4 (mm)	5695	
4.7		Height of overhead guard (cab)	h6 (mm)	2246	
4.8		Height of seat, minimum/maximum	h7 (mm)	1076/1166	
4.10		Height of reach legs	h8 (mm)	476	
4.19		Overall length	l1 (mm)	2506	
4.20		Length to fork face	l2 (mm)	1356 ²⁾	
4.21		Overall width	b1/b2 (mm)	1234/1366	
4.22		Fork dimensions	s/e/l (mm)	40 x 80 x 1150	
4.23		Fork carriage to DIN 15173, class/form A, B		2A	
4.24		Width of fork carriage	b3 (mm)	767	
4.25		Fork spread, minimum/maximum	b5 (mm)	216/597	
4.26		Width between reach legs	b4 (mm)	922	
4.28		Reach travel	l4 (mm)	594 ²⁾	
4.31		Ground clearance, mast	m1 (mm)	90	
4.32		Ground clearance, centre of wheelbase	m2 (mm)	145	
4.33		Aisle width, pallet 1000 x 1200 across forks	Ast (mm)	2785 ²⁾	
4.34	Aisle width, pallet 800 x 1200 along forks	Ast (mm)	2844 ²⁾		
4.35	Turning radius	Wa (mm)	1683		
4.37	Length of chassis	l7 (mm)	1912		
Performance	5.1	Travel speed, with/without load	km/h	12.5/12.5 ^{4) 5)}	
	5.2	Lifting speed, with/without load	m/s	0.42/0.66 ⁵⁾	
	5.3	Lowering speed, with/without load	m/s	0.55/0.45 ⁴⁾	
	5.4	Reach speed, with/without load	m/s	0.15/0.15 ⁴⁾	
	5.7	Climbing ability, with/without load, 30 minute rating	%	4.5/8.2	
	5.8	Maximum climbing ability, with/without load, 5 minute rating	%	10/10	
	5.9	Acceleration time, with/without load	s	5.5/4.8 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	48/560 ²⁾	
6.5		Battery weight ($\pm 5\%$)	kg	939	
6.6		Power consumption to VDI cycle	kWh/h	⁶⁾	
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)	63 ⁷⁾	

1) For all other heights, see table

2) Alternative batteries increase length to fork face, 90° stacking aisle widths and affects other dimensions

3) Capacity may be reduced for high lifts

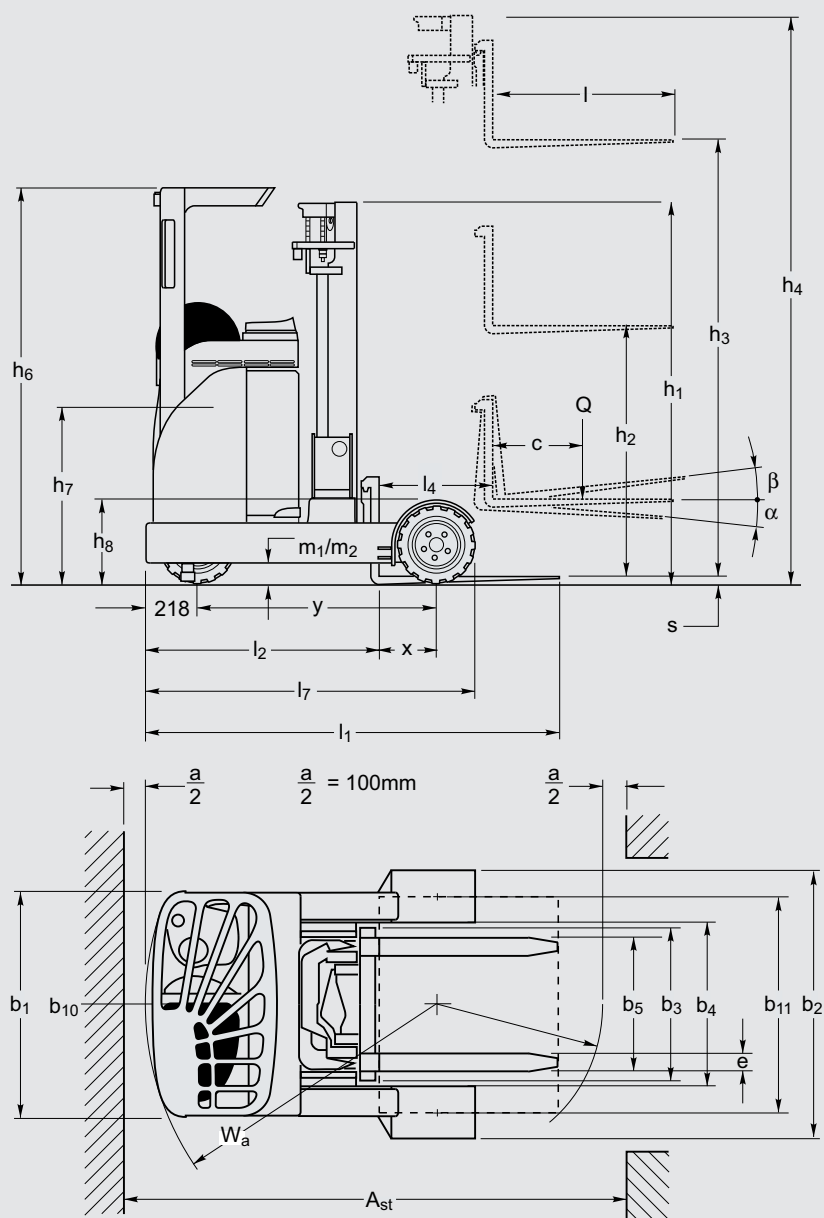
4) Traction, lift, lower and reach speeds and weights may vary with alternative lift heights

5) Reduced speed and acceleration on req

6) Refer to manufacturer for figures

7) Figure shown is without cab

LINDE	LINDE
R 16 G Active	R 20 G Active
Battery	Battery
Seated	Seated
1600 ³⁾	2000 ³⁾
600/500	600/500
321 ²⁾	471 ²⁾
1380	1530
3288	3414 ⁴⁾
1962/1326	2216/1198 ⁴⁾
675/4213	450/4964 ⁴⁾
1738/3150	2016/3398 ⁴⁾
C/SE	C/SE
18 x 8 x 12 ^{1/8}	18 x 8 x 12 ^{1/8}
180/60-10	180/60-10
1x/2	1x/2
0	0
1245	1265
2/4	2/4
2225	2225
1361	1361
4955 ¹⁾	4655 ¹⁾
5695	5395
2246	2246
1076/1166	1076/1166
476	476
2511	2511
1361 ²⁾	1361 ²⁾
1234/1366	1234/1470
45 x 100 x 1150	45 x 100 x 1150
2A	2A
767	767
216/597	216/597
922	922
594 ²⁾	744 ²⁾
90	90
145	145
2789 ²⁾	2833 ²⁾
2849 ²⁾	2865 ²⁾
1683	1833
1912	2062
12.5/12.5 ^{4) 5)}	12.5/12.5 ^{4) 5)}
0.40/0.66 ⁵⁾	0.32/0.51 ⁵⁾
0.55/0.45 ⁴⁾	0.55/0.45 ⁴⁾
0.15/0.15 ⁴⁾	0.15/0.15 ⁴⁾
4.5/8.2	4.5/8.2
10/10	10/10
5.5/4.8 ⁵⁾	5.8/5.0 ⁵⁾
Hydraulic/electric	Hydraulic/electric
6.5	6.5
14	14
43531C/254-2	43531C/254-2
48/560 ²⁾	48/560 ²⁾
939	939
e)	e)
Electronic/stepless	Electronic/stepless
200	200
6.5	6.5
63 ²⁾	63 ²⁾



Triplex mast – R 14 G and R 16 G

		4955	5155	5755	6255	6655	6955	-	-
Lift	h3	4955	5155	5755	6255	6655	6955	-	-
Height of mast, lowered	h1	2225	2491	2491	2925	2925	2925	-	-
Height of mast, extended	h4	5695	5895	6495	6995	7395	7695	-	-
Free lift	h2	1361	1627	1627	2061	2061	2061	-	-

Triplex mast – R 20 G

		4655	4655	5155	5755	6255	6655	6955	7455
Lift	h3	4655	4655	5155	5755	6255	6655	6955	7455
Height of mast, lowered	h1	2225	2491	2491	2925	2925	2925	3391	3391
Height of mast, extended	h4	5395	5395	5895	6495	6995	7395	7695	8195
Free lift	h2	1361	1627	1627	2061	2061	2061	2527	2527

Alternative lift heights available on request. Lift height = **h3 + s + 10 mm**



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

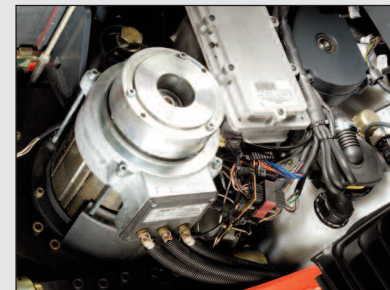
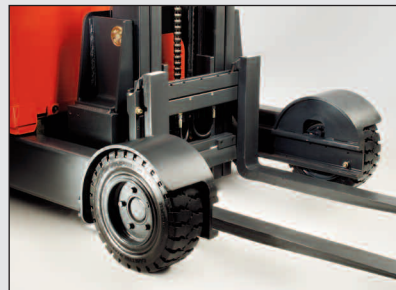
- A short wheelbase, compact chassis dimensions and smooth electric power steering ensure easy and efficient manoeuvring

Linde clearview mast

- Torsion-resistant clearview triplex tilting mast with integral sideshift

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

Wheels and tyres/suspension

- Large diameter for operation on uneven ground
- Unique drive unit suspension to reduce vibration and road shocks

Batteries

- Capacity to suit every type of application: 48 V, 560 Ah to 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

The manufacturer reserves the right to alter specifications without notice. Illustrations and technical details non-binding for actual construction. All measurements subject to customary tolerances.

