



Electric Reach Trucks

Capacity 1000 kg – 1400 kg
R 10 C, R 12 C, R 14 C *Active* SERIES 115-03

Safety

The Linde ACTIVE 'C' range offers compact manoeuvrability in narrow aisle storage and retrieval applications. The ergonomic operator's compartment provides a comfortable and safe working environment for consistently high levels of efficiency and productivity.

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 and tilt
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 brakes
Linde proportional 180° electric steering
Clearview standard tilting mast lift 3250 mm
Fork length 1150 mm
Standard colour scheme vermilion and charcoal grey

Batteries and chargers

48 V, 360 Ah to 560 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 tilting clearview mast
High residual capacities

Optional equipment

Standard tilting mast lifts to 5650 mm (R 10 C to R 14 C)
Duplex tilting mast lifts to 4170 mm (R 10 C to R 14 C)
Triplex tilting mast lifts to 6220 mm (R 10 C & R 12 C)
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
Load wheel protection
PIN access
LFM
Integral sideshift
Working lamps/beacons
Additional hydraulic circuit
Mesh or polycarbonate protection on overheard guard
Profiled overhead guard for drive-in racking
Battery on rollers
Battery roller stand
Alternative colour schemes

Other options available on request.

Technical data

Characteristics	1.1	Manufacturer		LINDE	LINDE	
	1.2	Model designation		R 10 C Active	R 12 C Active	
	1.3	Power unit: battery, diesel, petrol, LP gas, mains power		Battery	Battery	
	1.4	Operation: manual, pedestrian, stand-on, seated, order picker		Seated	Seated	
	1.5	Load capacity	Q (kg)	1000 ³⁾	1200 ³⁾	
	1.6	Load centre	c (mm)	600/500	600/500	
	1.8	Axle centre to fork face	x (mm)	226	226	
	1.9	Wheelbase	y (mm)	1165	1165	
	Weights	2.1	Service weight	kg	2630 ⁴⁾	2660 ⁴⁾
2.3		Axle load without load, front (drive)/rear (load)	kg	1330/1300 ⁴⁾	1360/1300 ⁴⁾	
2.4		Axle load, fork outreached with load, front (drive)/rear (load)	kg	590/3040 ⁴⁾	470/3390 ⁴⁾	
2.5		Axle load, fork retracted with load, front (drive)/rear (load)	kg	1140/2490 ⁴⁾	1170/2690 ⁴⁾	
Wheels and tyres		3.1	Tyres, front (drive)/rear (load) C = cushion rubber, P = polyurethane		P/P	P/P
	3.2	Tyre size, front (drive) wheel	mm	Ø 343 x 135	Ø 343 x 135	
	3.3	Tyre size, rear (load) wheel	mm	Ø 285 x 100	Ø 285 x 100	
	3.5	Wheels, number front (drive)/rear (load) (x = driven)		1x/2	1x/2	
	3.6	Track width, front (drive)	b10 (mm)	0	0	
	3.7	Track width, rear (load)	b11 (mm)	1150	1150	
	Dimensions	4.1	Mast/fork carriage tilt, forward/backward	α/β (°)	2/2	2/2
4.2		Height of mast, lowered	h1 (mm)	2230	2230	
4.3		Free lift	h2 (mm)	150	150	
4.4		Lift	h3 (mm)	3250 ¹⁾	3250 ¹⁾	
4.5		Height of mast, extended	h4 (mm)	3873	3873	
4.7		Height of overhead guard (cab)	h6 (mm)	2110	2110	
4.8		Height of seat, minimum/maximum	h7 (mm)	940/1030	940/1030	
4.10		Height of reach legs	h8 (mm)	310	310	
4.19		Overall length	l1 (mm)	2307	2307	
4.20		Length to fork face	l2 (mm)	1157	1157	
4.21		Overall width	b1/b2 (mm)	1234/1250	1234/1250	
4.22		Fork dimensions	s/e/l (mm)	40 x 80 x 1150	40 x 80 x 1150	
4.23		Fork carriage to DIN 15173, class/form A, B		2A	2A	
4.24		Width of fork carriage	b3 (mm)	880	880	
4.25		Fork spread, minimum/maximum	b5 (mm)	296/753 ⁸⁾	296/753 ⁸⁾	
4.26		Width between reach legs	b4 (mm)	922	922	
4.28		Reach travel	l4 (mm)	407	407	
4.31		Ground clearance, mast	m1 (mm)	105	105	
4.32		Ground clearance, centre of wheelbase	m2 (mm)	75	75	
4.33		Aisle width, pallet 1000 x 1200 across forks	Ast (mm)	2614	2614	
4.34		Aisle width, pallet 800 x 1200 along forks	Ast (mm)	2687	2687	
4.35		Turning radius	Wa (mm)	1435	1435	
4.37		Length of chassis	l7 (mm)	1526	1526	
Performance	5.1	Travel speed, with/without load	km/h	13.5/13.5 ^{4) 5)}	13.5/13.5 ^{4) 5)}	
	5.2	Lifting speed, with/without load	m/s	0.48/0.65 ⁴⁾	0.44/0.65 ⁴⁾	
	5.3	Lowering speed, with/without load	m/s	0.50/0.45 ⁴⁾	0.50/0.45 ⁴⁾	
	5.4	Reach speed, with/without load	m/s	0.15/0.15 ⁴⁾	0.15/0.15 ⁴⁾	
	5.7	Climbing ability, with/without load, 30 minute rating	%	4.5/8.2	4.5/8.2	
	5.8	Maximum climbing ability, with/without load, 5 minute rating	%	10/10	10/10	
	5.9	Acceleration time, with/without load	s	5.5/4.8 ⁵⁾	5.5/4.8 ³⁾	
	5.10	Service brake		Hydraulic/electric	Hydraulic/electric	
	Drive	6.1	Drive motor, 60 minute rating	kW	6.5	6.5
		6.2	Lift motor, 15 % rating	kW	14	14
6.3		Battery to DIN/IEC		43531C/254-2	43531C/254-2	
6.4		Battery voltage/rated capacity (5 h)	V/Ah	48/420 ²⁾	48/420 ²⁾	
6.5		Battery weight ($\pm 5\%$)	kg	750	750	
6.6		Power consumption to VDI cycle	kWh/h	⁶⁾	⁶⁾	
Other	8.1	Type of drive control		Electronic/stepless	Electronic/stepless	
	8.2	Working pressure for attachments	bar	200	200	
	8.3	Oil flow for attachments	l/min	6,5	6,5	
	8.4	Noise level at operator's ear	dB (A)	64 ⁷⁾	64 ⁷⁾	

1) For all other heights, see table

2) Alternative batteries and/or optional integral sideshift increase length to fork face and 90° stacking aisle widths

3) Capacity may be reduced for high lifts

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

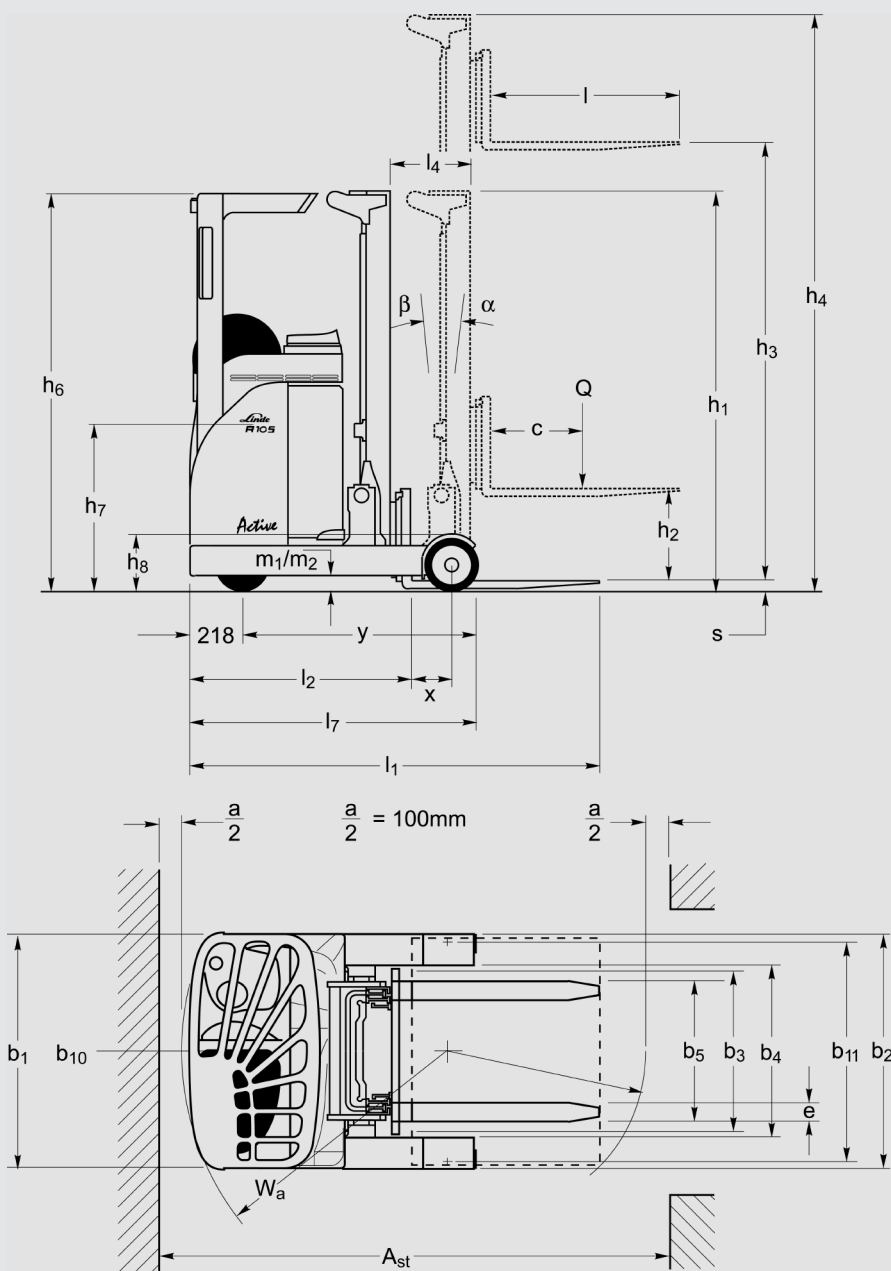
5) Reduced speed and acceleration on request

6) Refer to manufacturer for figures

7) Figure shown is without cab; 69 dB (A) when cab fitted

8) Maximum fork spread is reduced to 690 mm with optional integral sideshift

LINDE
R 14 C Active
Battery
Seated
1400 ³⁾
600/500
336
1275
2800 ⁴⁾
1060/1740 ⁴⁾
520/3680 ⁴⁾
1485/2715 ⁴⁾
P/P
Ø 343 x 135
Ø 285 x 100
1x/2
0
1150
2/2
2230
150
3250 ¹⁾
3873
2110
940/1030
310
2307
1157
1234/1250
40 x 80 x 1150
2A
880
296/753 ⁸⁾
922
517
105
75
2633
2690
1538
1636
13.5/13.5 ^{4) 5)}
0.40/0.65 ⁴⁾
0.50/0.45 ⁴⁾
0.15/0.15 ⁴⁾
4.5/8.2
10/10
5.5/4.8 ⁵⁾
Hydraulic/electric
6.5
14
43531C/254-2
48/420 ²⁾
750
6)
Electronic/stepless
200
6,5
64 ⁷⁾



Standard mast – R 10 C/R 12 C/R 14 C

Lift	h3	2850	3050	3250	3650	3850	4250	4450	4850	5650
Height of mast, lowered	h1	2015	2115	2215	2415	2515	2715	2815	3015	3415
Height of mast, extended	h4	3473	3673	3873	4273	4473	4873	5073	5473	6273
Free lift	h2	150	150	150	150	150	150	150	150	150

Duplex mast – R 10 C/R 12 C/R 14 C

Lift	h3	2770	3070	3570	3770	4170	-	-	-	-
Height of mast, lowered	h1	1940	2090	2340	2440	2640	-	-	-	-
Height of mast, extended	h4	3393	3693	4193	4393	4793	-	-	-	-
Free lift	h2	1318	1468	1718	1818	2018	-	-	-	-

Triplex mast – only R 10 C/R 12 C only

Lift	h3	4020	4170	4470	4620	4770	5220	5470	5920	6220
Height of mast, lowered	h1	1940	1990	2090	2140	2190	2340	2490	2640	2740
Height of mast, extended	h4	4643	4793	5093	5293	5393	5843	6093	6543	6843
Free lift	h2	1318	1368	1468	1518	1568	1718	1868	2018	2118

Alternative lift heights available on request. Lift height = **h3 + s + 15 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

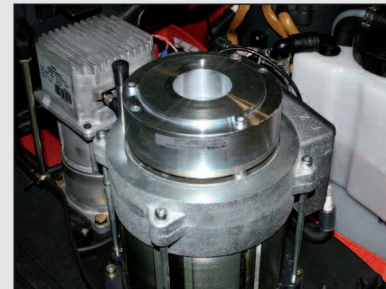
- A short wheelbase, compact chassis dimensions and smooth electric power steering ensure easy and efficient manoeuvring

Linde clearview mast

- Torsion-resistant clearview tilting masts in standard, duplex or triplex configuration with standard fork carriage

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

- Capacity to suit every type of application: 48 V, 360 Ah to 560 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

