

Standard Equipment/Optional Equipment

Standard Equipment

General

Three-wheel configuration
 Overall width 1390mm (R14/16G), 1470mm (R20G)
 Linde Load Control for lift/lower, reach, tilt and sidelif
 Linde twin accelerator pedals
 Full suspension PVC seat with electric lumbar support
 Comprehensive digital instrument display
 6.5 kW maintenance-free AC drive & 14 kW AC lift motor
 SE load wheel & cushion rubber drive wheel tyres
 Self-adjusting service brakes
 Linde proportional 180° electric steering
 Clearview TX tilt mast 4955mm (R14/16G), 4655mm (R20G)
 Fork length 1150mm
 Standard colour scheme vermilion and charcoal grey
 Linde Digital Control system (LDC) incorporating
 CAN bus technology

Batteries and chargers

48 V, 560 Ah to 700 Ah
 Wide selection of chargers available to suit application

Optional Equipment

TX tilt mast lifts to 6955mm (R14/16G), 7455mm (R20G)
 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

Safety

Curve Drive Control reduces traction speed while cornering
 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 polycarb. screen betw. control console&mast
 Battery locking interlock
 Electrical and hydraulic overload protection
 Overhead guard

Mast

Torsion-resistant tilting triplex clearview mast
 Integral sideshift
 High residual capacities

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.



Electric Reach Trucks
Capacity 1400 - 2000 kg
R 14 G, R 16 G, R 20 G Active Series 115-12

Linde Material Handling

Linde

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.

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.

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

Manoeuvrability

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



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



Linde clearview mast

→ Torsion-resistant clearview triplex tilting mast with integral sideshift



Wheels and tyres/suspension

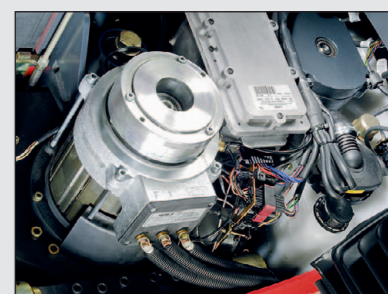
→ Large diameter for operation on uneven ground
 → Unique drive unit suspension to reduce vibration and road shocks

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
 → Linde Curve Drive Control

Linde twin accelerator pedals

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



Servicing

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



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Subject to modification in the interests of progress. Illustrations and technical details not binding for actual constructions. All dimensions subject to usual tolerances.

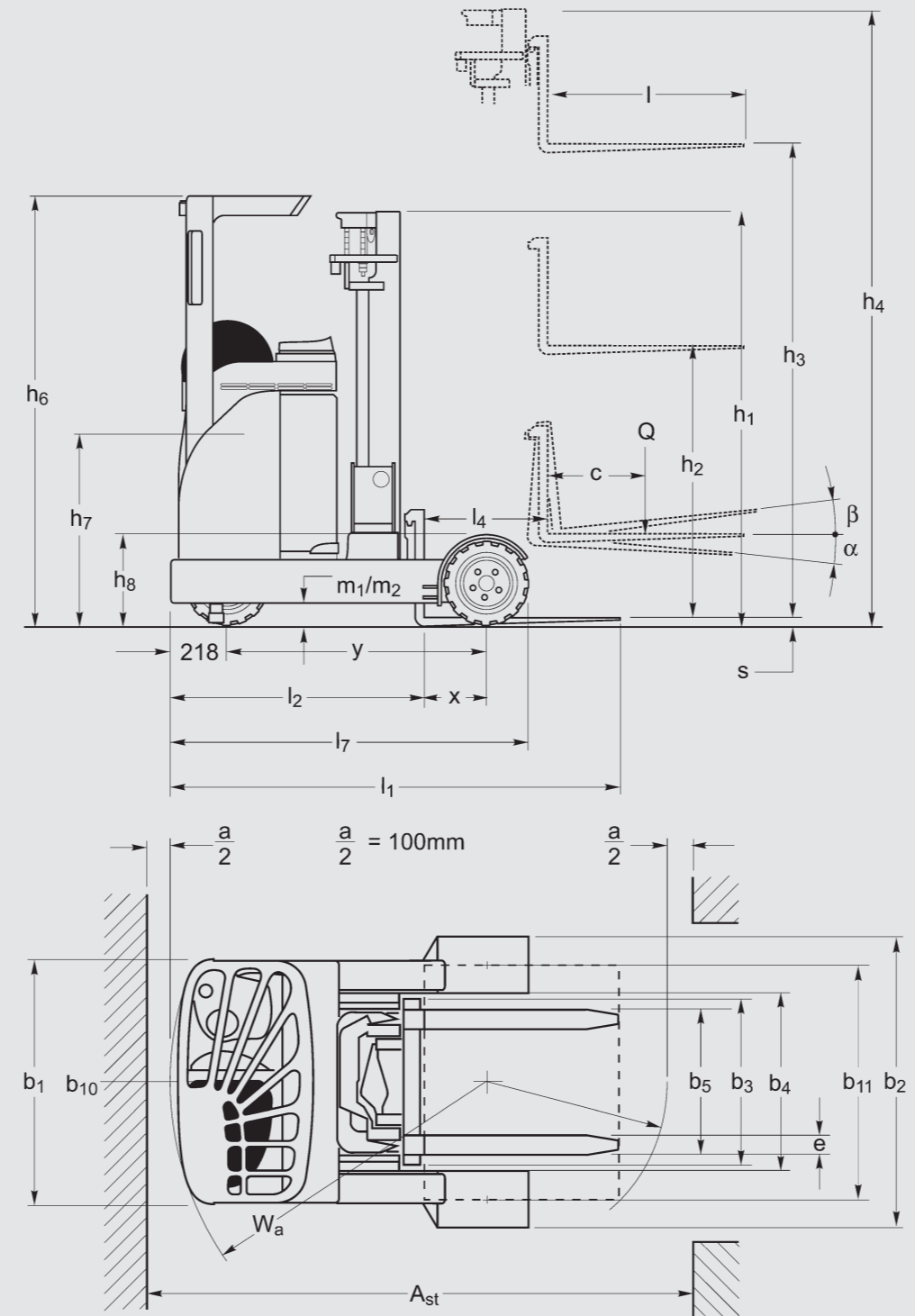
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Technical Data according to VDI 2198

		LINDE	LINDE	LINDE			
Characteristics	1.1	Manufacturer	LINDE	LINDE			
	1.2	Model designation	R14G Active	R16G Active			
	1.3	Power unit	Battery	Battery			
	1.4	Operation	Seat	Seat			
	1.5	Load capacity	Q (t)	1.4 ¹⁾	1.6 ¹⁾	2.0 ¹⁾	
	1.6	Load centre	c (mm)	600 / 500	600 / 500	600 / 500	
	1.8	Axle centre to fork face	x (mm)	326	321	471	
	1.9	Wheelbase	y (mm)	1380	1380	1530	
	2.1	Service weight	(kg)	3288	3288	3414	
Weights	2.3	Axle load without load, front/rear	(kg)	1962 / 1326	1962 / 1326	2216 / 1198	
	2.4	Axle load, fork outreached, with load, front/rear	(kg)	723 / 3965	675 / 4213	450 / 4964	
	2.5	Axle load, fork retracted, with load, front/rear	(kg)	1697 / 2991	1738 / 3150	2016 / 3398	
	3.1	Tyres rubber, SE, pneumatic, polyurethane		Cushion/SE	Cushion/SE	Cushion/SE	
	3.2	Tyre size, front		18x8x12 1/8	18x8x12 1/8	18x8x12 1/8	
Wheels/Tyres	3.3	Tyre size, rear		180/60-10	180/60-10	200/50-10	
	3.5	Wheels, number front/rear (x = driven)		1x / 2	1x / 2	1x / 2	
	3.6	Track width, front	b10 (mm)	0	0	0	
	3.7	Track width, rear	b11 (mm)	1245	1245	1265	
	4.1	Mast/fork carriage tilt, forward/backward	a/b (°)	2.0 / 4.0	2.0 / 4.0	2.0 / 4.0	
Dimensions	4.2	Height of mast, lowered	h1 (mm)	2225	2225	2225	
	4.3	Free lift	h2 (mm)	1361	1361	1361	
	4.4	Lift	h3 (mm)	4955	4955	4655	
	4.5	Height of mast, extended	h4 (mm)	5695	5695	5395	
	4.7	Height of overhead guard (cabin)	h6 (mm)	2246	2246	2246	
	4.8	Height of seat/stand-on platform	h7 (mm)	1076 / 1166	1076 / 1166	1076 / 1166	
	4.10	Height of reach legs	h8 (mm)	476	476	476	
	4.19	Overall length	l1 (mm)	2506	2511	2511	
	4.20	Length to fork face	l2 (mm)	1356 ²⁾	1361 ²⁾	1361 ²⁾	
	4.21	Overall width	b1/b2 (mm)	1234 / 1390	1234 / 1390	1234 / 1450	
	4.22	Fork dimensions	s/e/l (mm)	40 x 80 x 1150	45 x 100 x 1150	45 x 100 x 1150	
	4.23	Fork carriage to ISO 2328, class/type A, B		2A	2A	2A	
	4.24	Width of fork carriage	b3 (mm)	767	767	767	
	4.25	Fork spread, min/max	b5 (mm)	216 / 597	216 / 597	216 / 597	
	4.26	Width between reach legs	b4 (mm)	922	922	922	
	4.28	Reach travel	l4 (mm)	594 ²⁾	594 ²⁾	744 ²⁾	
	4.31	Ground clearance, below mast	m1 (mm)	90	90	90	
4.32	Ground clearance, centre of wheelbase	m2 (mm)	145	145	145		
4.33	Aisle width with pallet 1000 x 1200 across forks	Ast (mm)	2785 ²⁾³⁾	2789 ²⁾³⁾	2833 ²⁾³⁾		
4.34	Aisle width with pallet 800 x 1200 along forks	Ast (mm)	2844 ²⁾³⁾	2849 ²⁾³⁾	2865 ²⁾³⁾		
4.35	Turning radius	Wa (mm)	1683	1683	1833		
4.37	Length of chassis	l7 (mm)	1912	1912	2062		
Performance	5.1	Travel speed, with/without load	(km/h)	12.5 / 12.5 ⁴⁾⁵⁾	12.5 / 12.5 ⁴⁾⁵⁾	12.5 / 12.5 ⁴⁾⁵⁾	
	5.2	Lifting speed, with/without load	(m/s)	0.42 / 0.66 ⁴⁾	0.4 / 0.66 ⁴⁾	0.32 / 0.51 ⁴⁾	
	5.3	Lowering speed, with/without load	(m/s)	0.55 / 0.45 ⁵⁾	0.55 / 0.45 ⁵⁾	0.55 / 0.45 ⁴⁾	
	5.4	Reach speed, with/without load	(m/s)	0.15 / 0.15 ⁵⁾	0.15 / 0.15 ⁵⁾	0.15 / 0.15 ⁴⁾	
	5.7	Climbing ability, with/without load	(%)	4.5 / 8.2	4.5 / 8.2	4.5 / 8.2	
	5.8	Maximum climbing ability, with/without load	(%)	10.0 / 10.0	10.0 / 10.0	10.0 / 10.0	
	5.9	Acceleration time, with/without load	(s)	5.5 / 4.8 ⁴⁾	5.5 / 4.8 ⁴⁾	5.8 / 5.0 ⁴⁾	
	5.10	Service brake		Electric/hydraulic	Electric/hydraulic	Electric/hydraulic	
	Drive	6.1	Drive motor, 60 minute rating	(kW)	6.5	6.5	6.5
		6.2	Lift motor rating at S3 15%	(kW)	14	14	14
6.3		Battery according to DIN 43531/35/36 A,B,C,no		43 531 / C	43 531 / C	43 531 / C	
6.4		Battery voltage/rated capacity (5h)	(V/Ah)	48 / 560 ⁷⁾	48 / 560 ⁷⁾	48 / 560 ⁷⁾	
6.5		Battery weight (+ 5%)	(kg)	939	939	939	
6.6		Power consumption according to VDI cycle	(kWh/h)	upon request	upon request	upon request	
Others	8.1	Type of drive control		Electronic/stepless	Electronic/stepless	Electronic/stepless	
	8.2	Operating pressure for attachments	(bar)	200	200	200	
	8.3	Oil flow for attachments	(l/min)	6.5	6.5	6.5	
	8.4	Noise level at operator's ear	(dB(A))	63.0 ⁸⁾	63.0 ⁸⁾	63.0 ⁸⁾	

1) Capacity could degrade with high lift height
 2) Alternative batteries may alter given dimensions.
 3) Including a 200 mm (min.) operating aisle clearance.
 4) Reduced speed and acceleration on request.

5) With mast h3 = 4955 mm
 6) With mast height h3 = 4655 mm
 7) Alternative batteries may alter l1, Ast and service weight.
 8) Without cabin



Triplex mast - R14 G and R16 G									
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 - R20 G									
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

