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 sidelift
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

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

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

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, R20 G Active Series 115-12

Linde Material Handling

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

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

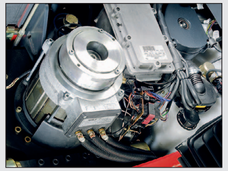
Manoeuvrability
- → A short wheelbase, compact chassis dimensions and smooth electric power steering ensure easy and efficient manoeuvring

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



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

Linde Material Handling GmbH, Postfach 10 01 36, 63701 Aschaffenburg, Germany
Phone + 49.6021.99-0, Fax + 49.6021.99-1570, www.linde-mh.com, info@linde-mh.com

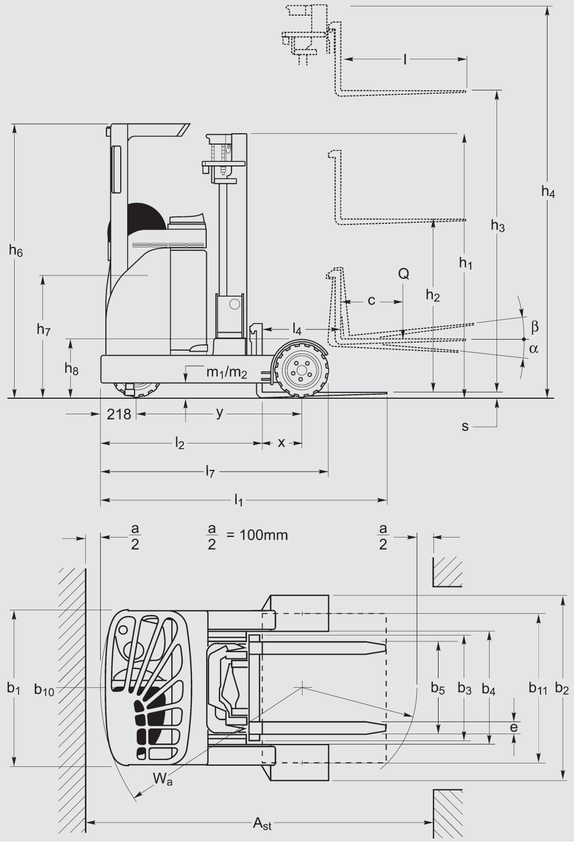
Linde Material Handling

152.e.3.0111.Ind8.Ki

Technical Data according to VDI 2198

Characteristics	1.1	Manufacturer		LINDE	LINDE	LINDE
	1.2	Model desgination		**R14G ACtive**	**R16G ACtive**	**R20G ACtive**
	1.3	Power unit		Battery	Battery	Battery
	1.4	Operation		Seat	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
Weights	2.1	Service weight	(kg)	3288	3288	3414
	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
Wheels/Tyres	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
	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
Dimensions	4.1	Mast/fork carriage tilt, forward/backward	a/b (°)	2.0 / 4.0	2.0 / 4.0	2.0 / 4.0
	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 [5]
	5.4	Reach speed, with/without load	(m/s)	0.15 / 0.15 [5]	0.15 / 0.15 [5]	0.15 / 0.15 [5]
	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 sevice 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