Linde Material Handling

Reach Trucks

R14 – R25 HD | W | N

Capacity 1.4 t – 2.5 t | Series 1120

PB ION H2

Robust all-rounder with extensive safety options

→ Efficient load handling in most logistics sectors thanks to model diversity and range of optional equipment
→ Safe handling of loads at height through high visibility masts, automatic parking brake, Linde Curve Assist and load wheel brakes as standard
→ Sophisticated ergonomic concept ensures intuitive and fatigue-free operation
→ Service intervals of 1000 operating hours with easy access and maintenance-free electric motors offer outstanding availability

TECHNICAL DATA (according to VDI 2198)

Characteristics	1.1	Manufacturer (abbreviation)		Linde MH	Linde MH	Linde MH	Linde MH
	1.2	**Manufacturer's type designation**		**R14**	**R16**	**R20**	**R25**
	1.2a	Series		1120-00	1120-00	1120-00	1120-00
	1.3	Drive		Battery	Battery	Battery	Battery
	1.4	Operation		Seat	Seat	Seat	Seat
	1.5	Rated capacity/rated load	Q (t)	1.4	1.6	2.0	2.5
	1.6	Load centre distance	c (mm)	600/500	600/500	600/500	600/500
	1.8	Load distance, centre of drive axle to fork	x (mm)	386	381	348	415
	1.9	Wheelbase	y (mm)	1381	1453	1525	1669
Weight	2.1	Service weight	kg	3305[1)]	3870[1)]	4470[1)]	5360[1)]
	2.3	Axle loading, unladen front/rear	kg	2090/1215	2366/1504	2585/1885	3070/2290
	2.4	Axle loading, fork advanced, laden front/rear	kg	771/3934	1035/4435	817/5653	976/6884
	2.5	Axle loading, fork retracted, laden front/rear	kg	1873/2832	2125/3345	2255/4215	2793/5067
Tyres/chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane	Polyurethane	Polyurethane
	3.2	Tyre size, front		Ø 360 × 130	Ø 360 × 130	Ø 360 × 140	Ø 360 × 140
	3.3	Tyre size, rear		Ø 285 × 100	Ø 285 × 100	Ø 350 × 100	Ø 350 × 100
	3.5	Wheels, number front/rear (× = driven wheels)		1x/2	1x/2	1x/2	1x/2
	3.7	Tread, rear	b11 (mm)	1167	1167	1167	1167
Dimensions	4.1	Mast/fork carriage tilt, forward/backwards	α/β (°)	2.0/4.0	2.0/4.0	2.0/4.0	2.0/4.0
	4.2	Mast height, lowered	h1 (mm)	2860	3685	3591	4165
	4.3	Free lift	h2 (mm)	2198	3023	2974	3549
	4.4	Lift	h3 (mm)	6995	9470	8955	10455
	4.5	Mast height, extended	h4 (mm)	7473	9948	9511	11011
	4.7	Height of overhead guard (cabin)	h6 (mm)	2110[2)]	2110[2)]	2110[2)]	2110[2)]
	4.8	Seat height relating to SIP/stand height	h7 (mm)	910 - 1040	910 - 1040	910 - 1040	910 - 1040
	4.10	Height of wheel arms	h8 (mm)	307.5	307.5	372.5	372.5
	4.19	Overall length	l1 (mm)	2366[1)]	2443[1)]	2546[1)]	2673[1)]
	4.20	Length to fork face	l2 (mm)	1216	1293	1396	1473
	4.21	Overall width	b1/b2 (mm)	1270	1270	1270	1270
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	40/80/1150	45/100/1150	45/100/1150	50/120/1200
	4.23	Fork carriage ISO 2328, class/type A, B		2A	2A	2A	2A
	4.24	Fork carriage width	b3 (mm)	770	770	770	770
	4.25	Fork spread	b5 (mm)	296/690	316/710	316/710	316/710
	4.26	Distance between wheel arms/loading surfaces	b4 (mm)	920	920	920	920
	4.28	Reach distance	l4 (mm)	577	577	572	644
	4.31	Ground clearance, laden, below mast	m1 (mm)	75	75	75	75
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	70	70	70	50
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2700[1)3)4)]	2772[1)3)4)]	2864[1)3)4)]	2954[1)3)4)]
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2749[1)3)4)]	2821[1)3)4)]	2919[1)3)4)]	2997[1)3)4)]
	4.35	Turning radius	Wa (mm)	1642[5)]	1710[5)]	1778[5)]	1916[5)]
	4.37	Length across wheel arms	l7 (mm)	1747	1820	1922	2066
Performance data	5.1	Travel speed, laden/unladen	km/h	14/14[6)7)]	14/14[6)7)]	14/14[6)7)]	14/14[6)7)]
	5.11	Travel speed, laden/unladen, backwards	km/h	-	-	14/14[6)7)]	14/14[6)7)]
	5.2	Lifting speed, laden/unladen	m/s	0.53/0.7	0.51/0.7	0.45/0.76	0.4/0.59
	5.3	Lowering speed, laden/unladen	m/s	0.53/0.47	0.47/0.47	0.55/0.53	0.56/0.54
	5.4	Reaching speed, laden/unladen	m/s	0.2	0.2	0.2	0.2
	5.8	Max. gradeability, laden/unladen	%	10.0/10.0	10.0/10.0	10.0/10.0	10.0/10.0
	5.9	Acceleration time, laden/unladen	s	4.7/4.6	4.8/4.7	5.1/4.7	5.4/4.8
	5.10	Service brake		hydr./mech.	hydr./mech.	hydr./mech.	hydr./mech.
Electric-engine	6.1	Drive motor rating S2 60 min	kW	6.5	6.5	6.5	6.5
	6.2	Lift motor rating at S3 15%	kW	14	14	14	14
	6.3	Battery according to DIN 43531/35/36 A, B, C, no		43 531 C/[Li-ION]	43 531 C/[Li-ION]	43 531 C/[Li-ION]	43 531 C/[Li-ION]
	6.4	Battery voltage/nominal capacity K 5	(V)/(Ah) o. kWh	48/420/465 [48/201][1)8)]	48/420/465 [48/201][1)8)]	48/700/775 [48/804][1)8)]	48/840/930 [48/804][1)8)]
	6.4.a	Battery energy content	kWh	[9.8][8)]	[9.8][8)]	[39.2][8)]	[39.2][8)]
	6.5	Battery weight (±5%)	kg	750	750	1119	1306 [1119][8)]
	6.6	Power consumption according to VDI cycle	kWh/h	3.5	3.7	4.3	-
	6.7	Turnover output according to VDI 2198	t/h	62.0	60.0	82.0	-
	6.8	Turnover efficiency according to VDI 2198	t/kWh	16	16	20	-
Additional data	10.1	Operating pressure for attachments	bar	200	200	200	200
	10.2	Oil flow for attachments	l/min	10	10	10	10
	10.7	Sound pressure level LpAZ (at the operator's seat)	dB(A)	63	63	64	64

1) Alternative batteries may alter l1, Ast and service weight
2) With ambient cabin +95 mm
3) Including a 200 mm (minimum) operating aisle clearance
4) Some truck specifications require a reach-back restriction Please note information in Linde World mast table
5) Attention, with cabin increased turning radius (Wa) due to required fender
6) Forward; backward
7) Depending on performance setting
8) Figures in [ ] with Li-ION battery see line 6.4

TECHNICAL DATA (according to VDI 2198)

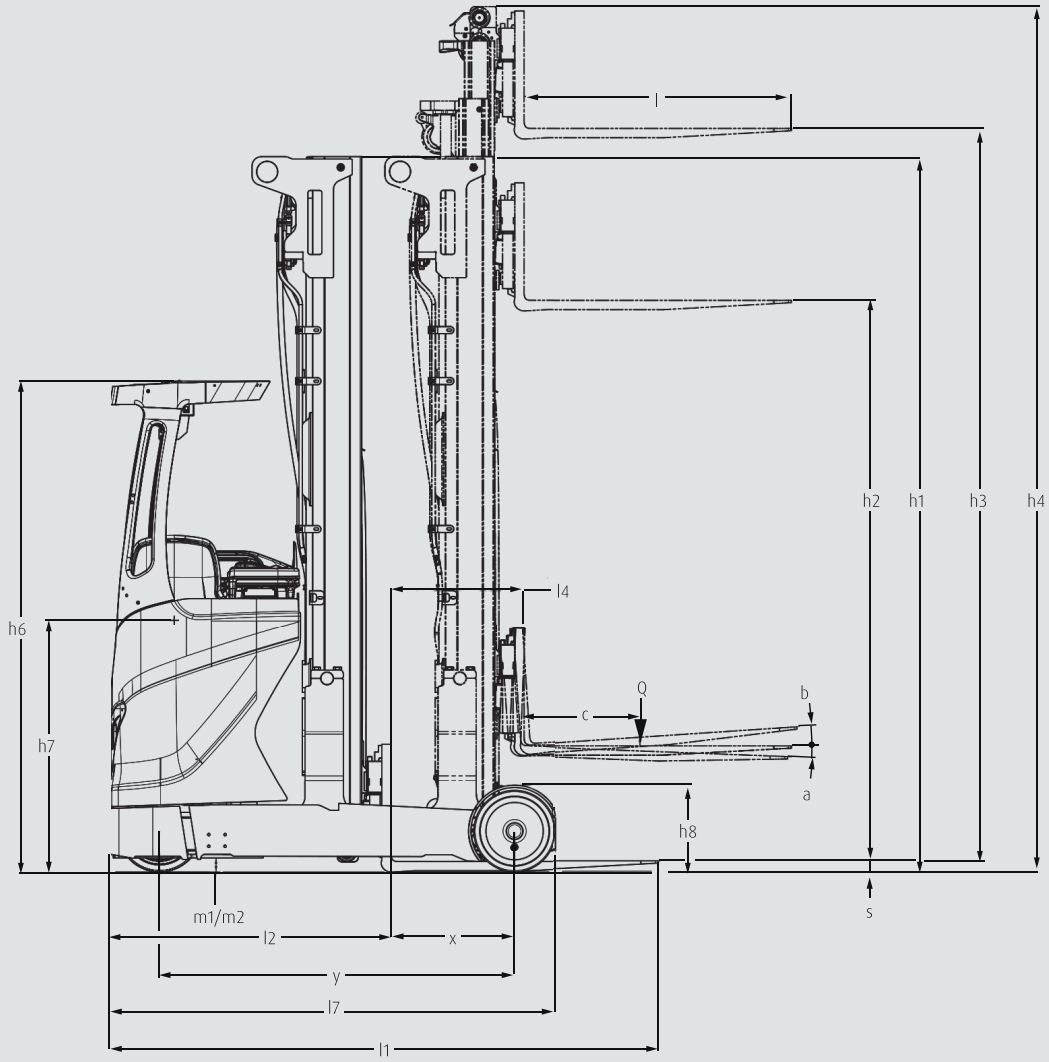
Characteristics	1.1	Manufacturer (abbreviation)		Linde MH	Linde MH	Linde MH	Linde MH
	1.2	**Manufacturer's type designation**		**R14 HD**	**R16 HD**	**R20 HD**	**R14 N**
	1.2a	Series		1120-00	1120-00	1120-00	1120-00
	1.3	Drive		Battery	Battery	Battery	Battery
	1.4	Operation		Seat	Seat	Seat	Seat
	1.5	Rated capacity/rated load	Q (t)	1.4	1.6	2.0	1.4
	1.6	Load centre distance	c (mm)	600/500	600/500	600/500	600/500
	1.8	Load distance, centre of drive axle to fork	x (mm)	276	348	420	388
	1.9	Wheelbase	y (mm)	1381	1453	1669	1453
Weight	2.1	Service weight	kg	3990[1)]	4115[1)]	5360[1)]	3265[1)]
	2.3	Axle loading, unladen front/rear	kg	2300/1690	2450/1665	3060/2300	2032/1233
	2.4	Axle loading, fork advanced, laden front/rear	kg	925/4465	935/4780	1187/6173	778/3887
	2.5	Axle loading, fork retracted, laden front/rear	kg	1972/3418	2173/3542	2844/4516	1828/2837
Tyres/chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane	Polyurethane	Polyurethane
	3.2	Tyre size, front		Ø 360 × 130	Ø 360 × 130	Ø 360 × 140	Ø 360 × 130
	3.3	Tyre size, rear		Ø 285 × 100	Ø 285 × 100	Ø 350 × 100	Ø 285 × 100
	3.5	Wheels, number front/rear (× = driven wheels)		1x/2	1x/2	1x/2	1x/2
	3.7	Tread, rear	b11 (mm)	1167	1167	1167	1037
Dimensions	4.1	Mast/fork carriage tilt, forward/backwards	α/β (°)	2.0/4.0	2.0/4.0	2.0/4.0	2.0/4.0
	4.2	Mast height, lowered	h1 (mm)	3265	3366	4516	2860
	4.3	Free lift	h2 (mm)	2649	2749	3899	2198
	4.4	Lift	h3 (mm)	7955	8255	11455	6995
	4.5	Mast height, extended	h4 (mm)	8511	8811	12011	7473
	4.7	Height of overhead guard (cabin)	h6 (mm)	2110[2)]	2110[2)]	2110[2)]	2110[2)]
	4.8	Seat height relating to SIP/stand height	h7 (mm)	910 - 1040	910 - 1040	910 - 1040	910 - 1040
	4.10	Height of wheel arms	h8 (mm)	307.5	307.5	372.5	307.5
	4.19	Overall length	l1 (mm)	2474[1)]	2474[1)]	2618[1)]	2436[1)]
	4.20	Length to fork face	l2 (mm)	1324	1324	1468	1286
	4.21	Overall width	b1/b2 (mm)	1270	1270	1270	1140
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	45/100/1150	45/100/1150	45/100/1150	40/80/1150
	4.23	Fork carriage ISO 2328, class/type A, B		2A	2A	2A	2A
	4.24	Fork carriage width	b3 (mm)	770	770	770	770
	4.25	Fork spread	b5 (mm)	316/710	316/710	316/710	296/525
	4.26	Distance between wheel arms/loading surfaces	b4 (mm)	920	920	920	790
	4.28	Reach distance	l4 (mm)	467	539	644	579
	4.31	Ground clearance, laden, below mast	m1 (mm)	75	75	75	75
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	70	70	50	70
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2781[1)3)4)]	2796[1)3)4)]	2951[1)3)4)]	2748[1)3)4)]
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2848[1)3)4)]	2851[1)3)4)]	2993[1)3)4)]	2796[1)3)4)]
	4.35	Turning radius	Wa (mm)	1641[5)]	1710[5)]	1916[5)]	1691[5)]
	4.37	Length across wheel arms	l7 (mm)	1746	1818	2066	1819
Performance data	5.1	Travel speed, laden/unladen	km/h	14/14[6)7)]	14/14[6)7)]	14/14[6)7)]	14/14[6)7)]
	5.11	Travel speed, laden/unladen, backwards	km/h	14/14[6)7)]	14/14[6)7)]	14/14[6)7)]	-
	5.2	Lifting speed, laden/unladen	m/s	0.55/0.76	0.52/0.76	0.4/0.59	0.53/0.7
	5.3	Lowering speed, laden/unladen	m/s	0.55/0.53	0.55/0.53	0.56/0.54	0.53/0.47
	5.4	Reaching speed, laden/unladen	m/s	0.2	0.2	0.2	0.2
	5.8	Max. gradeability, laden/unladen	%	10.0/10.0	10.0/10.0	10.0/10.0	10.0/10.0
	5.9	Acceleration time, laden/unladen	s	4.8/4.7	4.9/4.7	5.3/4.8	4.7/4.6
	5.10	Service brake		hydr./mech.	hydr./mech.	hydr./mech.	hydr./mech.
Electric-engine	6.1	Drive motor rating S2 60 min	kW	6.5	6.5	6.5	6.5
	6.2	Lift motor rating at S3 15%	kW	14	14	14	14
	6.3	Battery according to DIN 43531/35/36 A, B, C, no		43 531 C/[Li-ION]	43 531 C/[Li-ION]	43 531 C/[Li-ION]	43 531 B
	6.4	Battery voltage/nominal capacity K 5	(V)/(Ah) o. kWh	48/560/620 [48/804][1)8)]	48/560/620 [48/804][1)8]	48/840/930 [48/804][1)8)]	48/420/465[1)]
	6.4.a	Battery energy content	kWh	[39.2][8)]	[39.2][8)]	[39.2][8)]	-
	6.5	Battery weight (±5%)	kg	939	939	1306 [1119][8)]	746
	6.6	Power consumption according to VDI cycle	kWh/h	3.7	3.9	4.6	3.5
	6.7	Turnover output according to VDI 2198	t/h	60.0	68.0	80.0	62.0
	6.8	Turnover efficiency according to VDI 2198	t/kWh	16	17	19	16
Additional data	10.1	Operating pressure for attachments	bar	200	200	200	200
	10.2	Oil flow for attachments	l/min	10	10	10	10
	10.7	Sound pressure level LpAZ (at the operator's seat)	dB(A)	63	63	64	63

1) Alternative batteries may alter l1, Ast and service weight
2) With ambient cabin +95 mm
3) Including a 200 mm (minimum) operating aisle clearance
4) Some truck specifications require a reach-back restriction Please note information in Linde World mast table
5) Attention, with cabin increased turning radius (Wa) due to required fender
6) Forward; backward
7) Depending on performance setting
8) Figures in [ ] with Li-ION battery see line 6.4

TECHNICAL DATA (according to VDI 2198)

Characteristics	1.1	Manufacturer (abbreviation)		Linde MH	Linde MH	Linde MH	Linde MH
	1.2	**Manufacturer's type designation**		**R16 N**	**R20 N**	**R20 W-1470**	**R20 W-1670**
	1.2a	Series		1120-00	1120-00	1120-00	1120-00
	1.3	Drive		Battery	Battery	Battery	Battery
	1.4	Operation		Seat	Seat	Seat	Seat
	1.5	Rated capacity/rated load	Q (t)	1.6	2.0	2.0	2.0
	1.6	Load centre distance	c (mm)	600/500	600/500	600/500	600/500
	1.8	Load distance, centre of drive axle to fork	x (mm)	383	275	345	345
	1.9	Wheelbase	y (mm)	1453	1525	1525	1525
Weight	2.1	Service weight	kg	3180[1)]	4070[1)]	4620[1)]	4700[1)]
	2.3	Axle loading, unladen front/rear	kg	1987/1193	2266/1804	2690/1930	2720/1980
	2.4	Axle loading, fork advanced, laden front/rear	kg	654/4126	629/5441	907/5713	907/5793
	2.5	Axle loading, fork retracted, laden front/rear	kg	1748/3032	1840/4230	2356/4264	2386/4314
Tyres/chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane	Polyurethane	Polyurethane	Polyurethane
	3.2	Tyre size, front		Ø 360 × 130	Ø 360 × 140	Ø 360 × 140	Ø 360 × 140
	3.3	Tyre size, rear		Ø 285 × 100	Ø 350 × 100	Ø 350 × 100	Ø 350 × 100
	3.5	Wheels, number front/rear (× = driven wheels)		1x/2	1x/2	1x/2	1x/2
	3.7	Tread, rear	b11 (mm)	1037	1037	1367	1567
Dimensions	4.1	Mast/fork carriage tilt, forward/backwards	α/β (°)	2.0/4.0	2.0/4.0	2.0/4.0	2.0/4.0
	4.2	Mast height, lowered	h1 (mm)	2460	3585	3591	3591
	4.3	Free lift	h2 (mm)	1798	2923	2974	2974
	4.4	Lift	h3 (mm)	5795	9170	8955	8955
	4.5	Mast height, extended	h4 (mm)	6273	9738	9511	9511
	4.7	Height of overhead guard (cabin)	h6 (mm)	2110[2)]	2110[2)]	2110[2)]	2110[2)]
	4.8	Seat height relating to SIP/stand height	h7 (mm)	910 - 1040	910 - 1040	910 - 1040	910 - 1040
	4.10	Height of wheel arms	h8 (mm)	307.5	372.5	372.5	372.5
	4.19	Overall length	l1 (mm)	2441[1)]	2621[1)]	2547[1)]	2546[1)]
	4.20	Length to fork face	l2 (mm)	1291	1471	1397	1396
	4.21	Overall width	b1/b2 (mm)	1140	1140	1470	1670
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	45/100/1150	45/100/1150	45/100/1150	45/100/1150
	4.23	Fork carriage ISO 2328, class/type A, B		2A	2A	2A	2A
	4.24	Fork carriage width	b3 (mm)	770	680	770	770
	4.25	Fork spread	b5 (mm)	316/545	316/621	316/710	316/710
	4.26	Distance between wheel arms/loading surfaces	b4 (mm)	790	790	1120	1320
	4.28	Reach distance	l4 (mm)	579	504	572	572
	4.31	Ground clearance, laden, below mast	m1 (mm)	75	75	75	75
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	70	70	70	70
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	2752[1)3)4)]	2901[1)3)4)]	2899[1)3)4)]	2937[1)3)4)]
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2801[1)3)4)]	2968[1)3)4)]	2955[1)3)4)]	2993[1)3)4)]
	4.35	Turning radius	Wa (mm)	1691[5)]	176[5)]	1811[5)]	1849[5)]
	4.37	Length across wheel arms	l7 (mm)	1819	1924	1920	1919
Performance data	5.1	Travel speed, laden/unladen	km/h	14/14[6)7)]	14/14[6)7)]	14/14[6)7)]	14/14[6)7)]
	5.11	Travel speed, laden/unladen, backwards	km/h	-	-	14/14[6)7)]	14/14[6)7)]
	5.2	Lifting speed, laden/unladen	m/s	0.51/0.7	0.43/0.52	0.45/0.76	0.45/0.76
	5.3	Lowering speed, laden/unladen	m/s	0.47/0.47	0.55/0.44	0.55/0.53	0.55/0.53
	5.4	Reaching speed, laden/unladen	m/s	0.2	0.2	0.2	0.2
	5.8	Max. gradeability, laden/unladen	%	10.0/10.0	10.0/10.0	10.0/10.0	10.0/10.0
	5.9	Acceleration time, laden/unladen	s	4.8/4.6	5.1/4.7	5.2/4.7	5.2/4.7
	5.10	Service brake		hydr./mech.	hydr./mech.	hydr./mech.	hydr./mech.
Electric-engine	6.1	Drive motor rating S2 60 min	kW	6.5	6.5	6.5	6.5
	6.2	Lift motor rating at S3 15%	kW	14	14	14	14
	6.3	Battery according to DIN 43531/35/36 A, B, C, no		43 531 B	43 531 B	43 531 C/[Li-ION]	43 531 C/[Li-ION]
	6.4	Battery voltage/nominal capacity K 5	(V)/(Ah) o. kWh	48/420/465[1)]	48/700/775[1)]	48/700/775 [48/804][1)8)]	48/700/775 [48/804][1)8)]
	6.4.a	Battery energy content	kWh	-	-	[39.2][8)]	[39.2][8)]
	6.5	Battery weight (±5%)	kg	746	1119	1119	1119
	6.6	Power consumption according to VDI cycle	kWh/h	3.7	5.1	4.3	4.3
	6.7	Turnover output according to VDI 2198	t/h	72.0	80.0	82.0	82.0
	6.8	Turnover efficiency according to VDI 2198	t/kWh	18	19	20	20
Additional data	10.1	Operating pressure for attachments	bar	200	200	200	200
	10.2	Oil flow for attachments	l/min	10	10	10	10
	10.7	Sound pressure level LpAZ (at the operator's seat)	dB(A)	63	64	64	64

1) Alternative batteries may alter l1, Ast and service weight
2) With ambient cabin +95 mm
3) Including a 200 mm (minimum) operating aisle clearance
4) Some truck specifications require a reach-back restriction Please note information in Linde World mast table
5) Attention, with cabin increased turning radius (Wa) due to required fender
6) Forward; backward
7) Depending on performance setting
8) Figures in [ ] with Li-ION battery see line 6.4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h2
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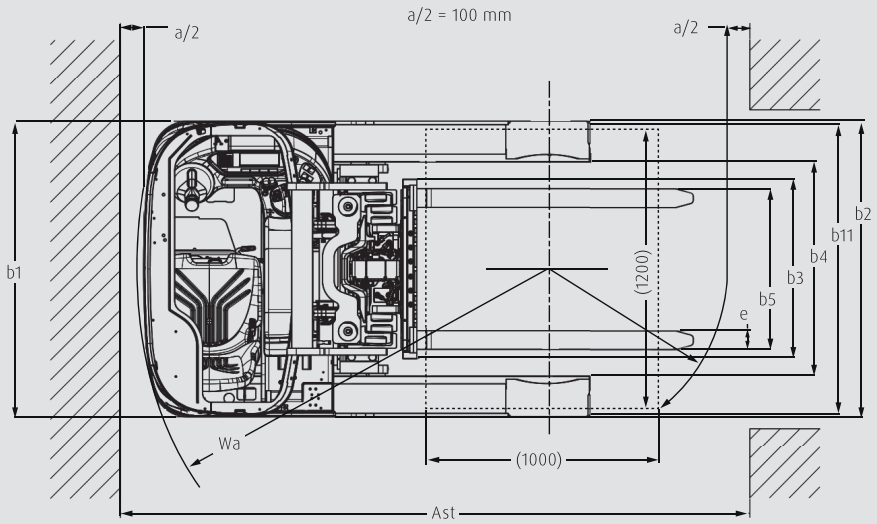
a/2 = 100 mm
a/2
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b2
b11
b4
b3
b5
e
b1
(1200)
Wa
(1000)
Ast

MAST TABLES

TRIPLEX MAST (in mm)

Series	1505										
Lift	**h3: 4670**	**h3: 5795**	**h3: 6995**	**h3: 7295**	**h3: 7595**	**h3: 7970**	**h3: 8270**	**h3: 8570**	**h3: 9470**	**h3: 10520**	**h3: 10970**
Height measurements	h1: 2085 h2: 1423 h3: 4670 h4: 5148	h1: 2460 h2: 1798 h3: 5795 h4: 6273	h1: 2860 h2: 2198 h3: 6995 h4: 7473	h1: 2960 h2: 2298 h3: 7295 h4: 7773	h1: 3060 h2: 2398 h3: 7595 h4: 8073	h1: 3185 h2: 2523 h3: 7970 h4: 8448	h1: 3285 h2: 2623 h3: 8270 h4: 8748	h1: 3385 h2: 2723 h3: 8570 h4: 9048	h1: 3685 h2: 3023 h3: 9470 h4: 9948	h1: 4035 h2: 3373 h3: 10520 h4: 10998	h1: 4185 h2: 3523 h3: 10970 h4: 11448
Manufacturer's type designation											
R14/R16	○	○	○	○	○	○	○	○	○	○	–/○
R14 N/R16 N	○	○	○	○	○	○	○	○	○	○	○

Series	1505								
Lift	**h3: 6320**	**h3: 6995**	**h3: 7595**	**h3: 8270**	**h3: 9020**	**h3: 9170**	**h3: 9620**	**h3: 9920**	**h3: 10070**
Height measurements	h1: 2635 h2: 1973 h3: 6320 h4: 6798	h1: 2860 h2: 2198 h3: 6995 h4: 7473	h1: 3060 h2: 2398 h3: 7595 h4: 8073	h1: 3285 h2: 2623 h3: 8270 h4: 8748	h1: 3535 h2: 2873 h3: 9020 h4: 9498	h1: 3585 h2: 2923 h3: 9170 h4: 9648	h1: 3735 h2: 3073 h3: 9620 h4: 10098	h1: 3835 h2: 3173 h3: 9920 h4: 10398	h1: 3885 h2: 3223 h3: 10070 h4: 10548
Manufacturer's type designation									
R20 N	○	○	○	○	○	○	○	○	○

Series	1506										
Lift	**h3: 4355**	**h3: 4755**	**h3: 5055**	**h3: 5755**	**h3: 6255**	**h3: 6755**	**h3: 7255**	**h3: 7755**	**h3: 8255**	**h3: 8755**	**h3: 9255**
Height measurements	h1: 2065 h2: 1449 h3: 4355 h4: 4910	h1: 2190 h2: 1574 h3: 4755 h4: 5310	h1: 2290 h2: 1674 h3: 5055 h4: 5610	h1: 2540 h2: 1924 h3: 5755 h4: 6310	h1: 2690 h2: 2074 h3: 6255 h4: 6810	h1: 2865 h2: 2249 h3: 6755 h4: 7310	h1: 3040 h2: 2424 h3: 7255 h4: 7810	h1: 3190 h2: 2574 h3: 7755 h4: 8310	h1: 3365 h2: 2749 h3: 8255 h4: 8810	h1: 3540 h2: 2924 h3: 8755 h4: 9310	h1: 3690 h2: 3074 h3: 9255 h4: 9810
Manufacturer's type designation											
R14 HD–R20 HD	○	○	○	○	○	○	○	○	○	○	○
R20	○	○	○	○	○	○	○	○	○	○	○
R25	○	○	○	○	○	○	○	○	○	○	○
R20 W-1470 I 1670	○	○	○	○	○	○	○	○	○	○	○

Series	1506										
Lift	**h3: 9755**	**h3: 10255**	**h3: 10755**	**h3: 11255**	**h3: 11755**	**h3: 12255**	**h3: 12755**	**h3: 12955**	**h3: 13655**	**h3: 14355**	**h3: 14955**
Height measurements	h1: 3865 h2: 3249 h3: 9755 h4: 10310	h1: 4090 h2: 3474 h3: 10255 h4: 10810	h1: 4265 h2: 3649 h3: 10755 h4: 11410	h1: 4440 h2: 3824 h3: 11255 h4: 11810	h1: 4615 h2: 3999 h3: 11755 h4: 12310	h1: 4765 h2: 4149 h3: 12255 h4: 12810	h1: 4940 h2: 4324 h3: 12755 h4: 13310	h1: 5015 h2: 4399 h3: 12955 h4: 13510	h1: 5240 h2: 4624 h3: 13655 h4: 14210	h1: 5465 h2: 4849 h3: 14355 h4: 14910	h1: 5665 h2: 5049 h3: 14955 h4: 15510
Manufacturer's type designation											
R14 HD–R16 HD	○	○	○	○	–	–	–	–	–	–	–
R20	○	○	○	○	○	○	○	–	–	–	–
R20 HD	○	○	○	○	○	○	○	○	○	○	○
R20 W-1470 I 1670	○	○	○	○	○	○	○	–	–	–	–

○ Optional equipment

– Not available

h1: Height of mast, lowered

h2: Free lift

h3: Lift

h4: Height of mast, extended

STANDARD AND OPTIONAL EQUIPMENT

	Manufacturer's type designation/equipment	R14 N	R16 N	R20 N	R14
Safety	Linde Curve Assist	●	●	●	●
	Electrical and hydraulic overload protection	●	●	●	●
	Seat-actuated traction interlock	●	●	●	●
	Battery lock with creep speed interlock	●	●	●	●
	Protective polycarbonate screen between console and mast	●	●	●	●
	Lift height related travel speed reduction	●	●	●	●
	Automatic slowdown at end of reach travel and at max. lift	●	●	●	●
Service	Sealed, maintenance-free AC 6.5 kW drive and 14 kW lift motors	●	●	●	●
Digital-isation	Comprehensive digital instrument display	●	●	●	●
	Linde Connect fleet management	○	○	○	○
	Radio Data Terminal bracket	○	○	○	○
Operation/ load handling	Linde Digital Control system (LDC)	●	●	●	●
	Linde rheological 180° electric steering with tactile feedback	●	●	●	●
	Single axis joysticks	○	○	○	○
	Multifunction lever	○	○	○	○
	Lift height indicator above free lift zone	●	●	●	●
	Load weight indicator	○	○	○	○
	Lift height pre-selector	○	○	○	○
	Rack Protection Sensor	○	○	○	○
Environ-ment	Height adjustable armrest	○	○	○	○
	Modular ambient cabin versions	–	–	–	○
	Cold store cabin	–	–	–	○
	Cold store protection to -30°C	○	○	○	○
Electronics	Electric horn and emergency isolator	●	●	●	●
	Linde batteries and charger	○	○	○	○
	Linde Li-ION truck version and Li-ION batteries	○	○	○	○
	Vision system, multiple cameras	○	○	○	○
Workplace	Fully adjustable air suspension seat	●	●	●	●
	Linde twin accelerator pedals	●	●	●	●
	Resiliently mounted operator's compartment	●	●	●	●
	Integral, adjustable control console	●	●	●	●
	Single accelerator pedal	○	○	○	○
	Heated seat	○	○	○	○
	High vision armoured glass roof	○	○	○	○
	Wind protection door	–	–	–	○
Mast	Tilting fork carriage and integral side shift	●	●	●	●
	Torsion-resistant fixed clear view triplex mast	○	○	○	○
	Mast mounted CCTV camera system	○	○	○	○
	Linde Dynamic Mast Control (DMC) with Electric Reach (ER)	–	–	–	○
Attachment/ forks	Side shift centring	○	○	○	○
	Horizontal fork levelling	○	○	○	○
	Green fork tips	○	○	○	○
	Additional hydraulic circuit for attachments	○	○	○	○
Axles and tyres	Polyurethane drive and load wheel tyres	●	●	●	●
	Load wheel protection	○	○	○	○
	Side guidance wheels	○	○	○	○
Drive and brake system	Four independent braking systems. Regenerative and counter current braking, holding brake control with automatic parking brake and all-wheel braking system	●	●	●	●
Lighting	2 VertiLights mounted on the mast	○	○	○	○
	LED working lights at over head guard	○	○	○	○
	Rotating/flashing beacon	○	○	○	○
	Blue Spot/TruckSpot safety light	○	○	○	○
	Red Warning Lines	○	○	○	○

● Standard equipment ○ Optional equipment – Not available

Alternative colours, more options see price list or on request.

STANDARD AND OPTIONAL EQUIPMENT

	Manufacturer's type designation/equipment	R14 HD	R16	R16 HD	R20
Safety	Linde Curve Assist	●	●	●	●
	Electrical and hydraulic overload protection	●	●	●	●
	Seat-actuated traction interlock	●	●	●	●
	Battery lock with creep speed interlock	●	●	●	●
	Protective polycarbonate screen between console and mast	●	●	●	●
	Lift height related travel speed reduction	●	●	●	●
	Automatic slowdown at end of reach travel and at max. lift	●	●	●	●
Service	Sealed, maintenance-free AC 6.5 kW drive and 14 kW lift motors	●	●	●	●
Digital-isation	Comprehensive digital instrument display	●	●	●	●
	Linde Connect fleet management	○	○	○	○
	Radio Data Terminal bracket	○	○	○	○
Operation/ load handling	Linde Digital Control system (LDC)	●	●	●	●
	Linde rheological 180° electric steering with tactile feedback	●	●	●	●
	Single axis joysticks	○	○	○	○
	Multifunction lever	○	○	○	○
	Lift height indicator above free lift zone	●	●	●	●
	Load weight indicator	○	○	○	○
	Lift height pre-selector	○	○	○	○
	Rack Protection Sensor	○	○	○	○
Environ-ment	Height adjustable armrest	○	○	○	○
	Modular ambient cabin versions	○	○	○	○
	Cold store cabin	○	○	○	○
	Cold store protection to -30°C	○	○	○	○
Electronics	Electric horn and emergency isolator	●	●	●	●
	Linde batteries and charger	○	○	○	○
	Linde Li-ION truck version and Li-ION batteries	○	○	○	○
	Vision system, multiple cameras	○	○	○	○
Workplace	Fully adjustable air suspension seat	●	●	●	●
	Linde twin accelerator pedals	●	●	●	●
	Resiliently mounted operator's compartment	●	●	●	●
	Integral, adjustable control console	●	●	●	●
	Single accelerator pedal	○	○	○	○
	Heated seat	○	○	○	○
	High vision armoured glass roof	○	○	○	○
	Wind protection door	○	○	○	○
Mast	Tilting fork carriage and integral side shift	●	●	●	●
	Torsion-resistant fixed clear view triplex mast	○	○	○	○
	Mast mounted CCTV camera system	○	○	○	○
	Linde Dynamic Mast Control (DMC) with Electric Reach (ER)	○	○	○	○
Attachment/ forks	Side shift centring	○	○	○	○
	Horizontal fork levelling	○	○	○	○
	Green fork tips	○	○	○	○
	Additional hydraulic circuit for attachments	○	○	○	○
Axles and tyres	Polyurethane drive and load wheel tyres	●	●	●	●
	Load wheel protection	○	○	○	○
	Side guidance wheels	○	○	○	○
Drive and brake system	Four independent braking systems. Regenerative and counter current braking, holding brake control with automatic parking brake and all-wheel braking system	●	●	●	●
Lighting	2 VertiLights mounted on the mast	○	○	○	○
	LED working lights at over head guard	○	○	○	○
	Rotating/flashing beacon	○	○	○	○
	Blue Spot/TruckSpot safety light	○	○	○	○
	Red Warning Lines	○	○	○	○

● Standard equipment ○ Optional equipment – Not available

Alternative colours, more options see price list or on request.

STANDARD AND OPTIONAL EQUIPMENT

	Manufacturer's type designation/equipment	R20 HD	R25	R20 W-1470	R20 W-1670
Safety	Linde Curve Assist	●	●	●	●
	Electrical and hydraulic overload protection	●	●	●	●
	Seat-actuated traction interlock	●	●	●	●
	Battery lock with creep speed interlock	●	●	●	●
	Protective polycarbonate screen between console and mast	●	●	●	●
	Lift height related travel speed reduction	●	●	●	●
	Automatic slowdown at end of reach travel and at max. lift	●	●	●	●
Service	Sealed, maintenance-free AC 6.5 kW drive and 14 kW lift motors	●	●	●	●
Digital-isation	Comprehensive digital instrument display	●	●	●	●
	Linde Connect fleet management	○	○	○	○
	Radio Data Terminal bracket	○	○	○	○
Operation/ load handling	Linde Digital Control system (LDC)	●	●	●	●
	Linde rheological 180° electric steering with tactile feedback	●	●	●	●
	Single axis joysticks	○	○	○	○
	Multifunction lever	○	○	○	○
	Lift height indicator above free lift zone	●	●	●	●
	Load weight indicator	○	○	○	○
	Lift height pre-selector	○	○	○	○
	Rack Protection Sensor	○	○	○	○
Environ-ment	Height adjustable armrest	○	○	○	○
	Modular ambient cabin versions	○	○	○	○
	Cold store cabin	○	○	○	○
	Cold store protection to -30°C	○	○	○	○
Electronics	Electric horn and emergency isolator	●	●	●	●
	Linde batteries and charger	○	○	○	○
	Linde Li-ION truck version and Li-ION batteries	○	○	○	○
	Vision system, multiple cameras	○	○	○	○
Workplace	Fully adjustable air suspension seat	●	●	●	●
	Linde twin accelerator pedals	●	●	●	●
	Resiliently mounted operator's compartment	●	●	●	●
	Integral, adjustable control console	●	●	●	●
	Single accelerator pedal	○	○	○	○
	Heated seat	○	○	○	○
	High vision armoured glass roof	○	○	○	○
	Wind protection door	○	○	○	○
Mast	Tilting fork carriage and integral side shift	●	●	●	●
	Torsion-resistant fixed clear view triplex mast	○	○	○	○
	Mast mounted CCTV camera system	○	○	○	○
	Linde Dynamic Mast Control (DMC) with Electric Reach (ER)	○	–	–	–
Attachment/ forks	Side shift centring	○	○	○	○
	Horizontal fork levelling	○	○	○	○
	Green fork tips	○	○	○	○
	Additional hydraulic circuit for attachments	○	○	○	○
Axles and tyres	Polyurethane drive and load wheel tyres	●	●	●	●
	Load wheel protection	○	○	○	○
	Side guidance wheels	○	○	○	○
Drive and brake system	Four independent braking systems. Regenerative and counter current braking, holding brake control with automatic parking brake and all-wheel braking system	●	●	●	●
Lighting	2 VertiLights mounted on the mast	○	○	○	○
	LED working lights at over head guard	○	○	○	○
	Rotating/flashing beacon	○	○	○	○
	Blue Spot/TruckSpot safety light	○	○	○	○
	Red Warning Lines	○	○	○	○

● Standard equipment ○ Optional equipment – Not available

Alternative colours, more options see price list or on request.

CHARACTERISTICS

Ergonomics as standard

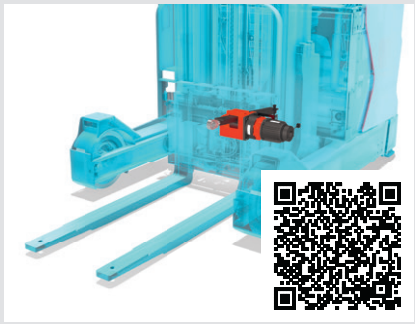
Ergonomics

→ Maximum operating comfort due to Multifunction Lever or Linde Load Control levers mounted on padded armrests
→ Sophisticated ergonomic concept ensures intuitive and fatigue-free work
→ All components and control elements individually adjustable
→ Air-suspended seat that adapts to operator's weight and vibration-free operator compartment for greater comfort on uneven surfaces as standard
→ Effective and convenient operation via intuitive controls and low on/off access step

Multifunction Lever

Handling

→ Linde Load Control levers or Multifunction Lever offer precise load handling
→ Powerful drive and lift motors enable high load throughput
→ Smooth, precise control of traction and hydraulic functions with Linde Digital Control System
→ Excellent manoeuvrability in confined spaces and at height thanks to short wheelbase and dual pedal system



Unique ER and DMC system

Safety

→ Linde Dynamic Mast Control with Electrical Reach, automatically compensates for dynamic mast oscillations and static deflection
→ Safer load handling at height due to torsion-resistant triplex masts
→ Monitoring system stops the truck in the event of traction, steering or lift failure, plus auto-braking if operator exits cabin
→ Safe cornering with Linde Curve Assist
→ Clear view thanks to mast designed for optimal visibility
→ Battery lock with creep speed interlock

Unique Rack Protection System (RPS)

Productivity

→ Linde Rack Protection System reduces rack damage and repair costs
→ Utilisation of full rack capacity
→ Aids temporary and less-skilled operators
→ Increases productivity

Presented by:

Subject to modification in the interest of progress. Illustrations and technical details could include options and are not binding for actual constructions. All dimensions subject to usual tolerances.

Linde Material Handling

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