

LOAD CAPACITY DIAGRAM

HT100 / 600

h3 (mm)	Q (kg)						
≤ 7000	10000	10000	9515	8980	8505	8075	7690
c (mm)	600	700	800	900	1000	1100	1200

HT120 / 600

h3 (mm)	Q (kg)						
7000	10800	10120	9520	8980	8510	8080	7690
6500	11400	10680	10050	9480	8980	8525	8115
≤ 6000	12000	11240	10575	9980	9450	8975	8540
c (mm)	600	700	800	900	1000	1100	1200

HT140 / 600

h3 (mm)	Q (kg)						
7000	12600	11820	11135	10525	9975	9480	9035
6500	13300	12480	11750	11110	10530	10010	9540
≤ 6000	14000	13135	12375	11690	11080	10535	10040
c (mm)	600	700	800	900	1000	1100	1200

HT150 / 600

h3 (mm)	Q (kg)						
7000	13500	12665	11910	11275	10685	10155	9680
6500	14250	13370	12595	11900	11280	10720	10215
≤ 6000	15000	14075	13255	12530	11875	11285	10755
c (mm)	600	700	800	900	1000	1100	1200

HT160 / 600

h3 (mm)	Q (kg)						
7000	14400	13510	12725	12025	11400	10835	10325
6500	15200	14260	13430	12695	12035	11435	10900
≤ 6000	16000	15015	14140	13360	12665	12040	11475
c (mm)	600	700	800	900	1000	1100	1200

HT180 / 600

h3 (mm)	Q (kg)						
7000	16200	15200	14315	13515	12830	12185	11615
6500	17100	16045	15115	14270	13540	12870	12255
≤ 6000	18000	16890	15910	15035	14255	13540	12905
c (mm)	600	700	800	900	1000	1100	1200

HT180 / 900

h3 (mm)	Q (kg)						
7000	16200	15355	14600	13915	13285	12715	12185
6500	17100	16215	15415	14685	14030	13430	12870
≤ 6000	18000	17065	16220	15465	14765	14135	13550
c (mm)	900	1000	1100	1200	1300	1400	1500

HT100 / 1200

h3 (mm)	Q (kg)						
7000	9000	8595	8220	7875	7560	7275	7015
6500	9500	9100	8725	8365	8025	7710	7405
≤ 6000	10000	9585	9190	8815	8455	8115	7795
c (mm)	1200	1300	1400	1500	1600	1700	1800

HT120 / 1200

h3 (mm)	Q (kg)						
7000	10800	10315	9870	9460	9085	8740	8420
6500	11400	10885	10415	9985	9590	9225	8885
≤ 6000	12000	11460	10965	10515	10095	9710	9355
c (mm)	1200	1300	1400	1500	1600	1700	1800

HT140 / 1200

h3 (mm)	Q (kg)						
7000	12600	12045	11535	11065	10635	10235	9860
6500	13300	12710	12175	11680	11225	10800	10410
≤ 6000	14000	13380	12815	12295	11815	11375	10960
c (mm)	1200	1300	1400	1500	1600	1700	1800

HT150 / 1200

h3 (mm)	Q (kg)						
7000	13500	12860	12310	11830	11420	11060	10750
6500	14250	13575	13000	12500	12060	11680	11375
≤ 6000	15000	14300	13700	13165	12715	12325	12000
c (mm)	1200	1300	1400	1500	1600	1700	1800

HT160 / 1200

h3 (mm)	Q (kg)						
7000	10400	9775	9220	8725	8285	7880	7515
6500	11300	10710	10175	9680	9225	8800	8410
≤ 6000	12000	11425	10875	10350	9850	9375	8950
c (mm)	1200	1300	1400	1500	1600	1700	1800

STANDARD AND OPTIONAL EQUIPMENT

	Model/Equipment	HT100 – HT180
Safety	Audible warning reverse alarm (85 dB)	●
	Absent driver switch	●
	Reversing camera system and screen	○
Service	High-performance hydraulic filter preserving max. purity of oil for long life of all hydraulic components	●
	Chassis mounted hourmeter	●
	Centralized service box	●
Digitalisation	Connect Access Control PIN	○
	Connect Access Control RFID	○
	Connect Operating Hours	○
	Connect Trouble Codes	○
Operation / Load Handling	Single drive pedal with direction selector in armrest	●
	Electro-hydraulic forward tilting cabin	●
	Linde Load Control for low-effort precision of all mast functions	●
	Linde Load Weight Indicator (+/- 1000 kg)	○
	Linde Load Weight Indicator (+/- 100 kg)	○
	Demand-controlled hydrostatic power steering, fuel-economizing, easy and precise response	●
	Single control lever – Lift/tilt operation, variable position type	●
	Single control lever – Fork position operation, gated type	○
	Variable displacement piston pump	○
	Digital, proportional valve with integrated safety monitoring	●
Environment	Integral particulate filter (on EU V engines)	●
	Undertrays on chassis	●
Electronics	Engine air precleaner	○
	Battery isolator switch	●
	On-board battery charger	○
	Open cabin with armoured glass roof	●
	Cabin with front, top and rear washer/wipers with heater and right hand sliding window	○
	Sun blinds front and top screen	○
	Central 7" touch display including fuel gauge, clock, hour meter and servicing information for all important truck functions	●
	Buddy seat, PVC covered	○
	10° or 17° rotating driver's seat	○
	Seat incorporating air suspension with compressor	○
	Hydraulic-suspension comfort-class seat with wide range of adjustment	●
	Adjustable steering column	●
	Orange lap type seat belt	●
	External rear view mirrors	●
	Internal rear-view mirror	●
	Heater / Climate control	○
	Cabin pre-heater	○
	Digital audio broadcasting radio with MP3, USB, Bluetooth and speakers	○
	Radio with compact disc player and speakers	○
	USB charging port	●
12 V socket in cabin	●	
Lockable, underseat storage box	●	
Armrest with storage box	●	
Cup holder	○	
Mud flaps	○	
Mast	Standard masts, 2430 – 9500 mm lift height (model specific, refer to mast table)	●
	Duplex masts (full free lift), 2580 – 7000 mm lift height (model specific)	○
	Triplex masts (full free lift), 5500 – 7000 mm lift height (model specific)	○
	Mast accumulator	○
Attachment / Forks	Fork carriage, width b3 = 2545 mm	●
	Alternative carriage widths – 3000 mm, 3500 mm, 4000 mm, 4500 mm	○
	Manual fork carriage system	○
	Integral fork positioner	○
Axles and Tyres	Kessler D81 drive axle	●
	Trelleborg or similar premium tyres	●
Drive and Brake System	ZF 3 WG 161 / ZF 3 WG 171 ERGOPOWER SERIES (depending on the truck model)	●
	Engine intake air cleaner with integral safety element	●
Lighting	External step lighting	○
	Working lights LED	○
	Full road lighting	○
	Beacon lamps	○

● Standard equipment ○ Optional equipment



Heavy Truck

HT100 – HT180

Capacity 10.0 – 18.0 t | Series 1411

Extra strong long-distance runner

- Powerful drive ensures maximum handling performance
- Ergonomic driver's cabin ensures fatigue-free operation
- Mast and counterweight provide a clear view of load and surroundings
- Optimum all-round visibility increases safety
- Robust construction provides for long maintenance intervals

CHARACTERISTICS



Armoured glass roof

Safety

- Armored glass roof provides a clear view of the lifted load
- Visually optimized counterweight reduces blind spot
- Optimized design ensures a clear field of vision in all directions
- Large cabin doors offer almost complete all-round visibility
- A loud signal tone warns the surrounding area when reversing



Spacious driver's cab

Ergonomics

- Visually optimized design avoids unnecessary body movements
- Spacious driver's cab offers ample freedom of movement
- Adjustable armrests and steering column ensure comfortable working posture
- Easily accessible controls enable comfortable seating position
- Hydraulically suspended seat reduces physical strain
- Suspended driver's cab protects against shocks and vibrations



Linde Load Control and steering wheel

Handling

- Precise and fast handling increases throughput
- Efficient diesel engine reduces fuel consumption and exhaust emissions
- Linde Load Control provides maximum control over all mast functions
- Highly responsive hydrostatic power steering



Engine access through tiltable cabin

Service

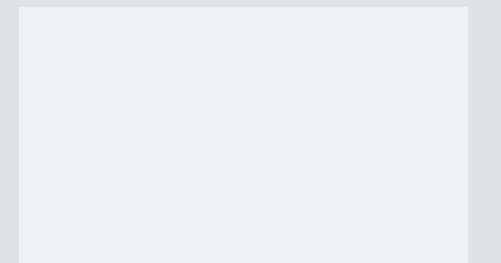
- Robust motor ensures service intervals – of up to 1000 hours
- Linde Service Monitoring System determines oil change interval
- Double-sided service access accelerates repair work



Linde Material Handling GmbH
 Carl-von-Linde-Platz | 63743 Aschaffenburg | Germany
 Phone + 49 6021 99 0 | Fax + 49 6021 99 1570
 www.linde-mh.com | info@linde-mh.com

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Presented by:



TECHNICAL DATA (According to VDI 2198)

1.1	Manufacturer	Linde												
	1.2	Model	HT100/600	HT120/600	HT140/600	HT150/600	HT160/600	HT180/600	HT180/900	HT100/1200	HT120/1200	HT140/1200	HT150/1200	HT160/1200
1.2a	Series	1411-02	1411-02	1411-02	1411-02	1411-02	1411-02	1411-02	1411-02	1411-02	1411-02	1411-02	1411-02	1411-02
1.3	Power unit	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
1.4	Operation	Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat
1.5	Load capacity / Load	Q (t)	10.0	12.0	14.0	15.0	16.0	18.0	18.0	12.0	14.0	15.0	16.0	16.0
1.6	Load centre distance	c (mm)	600	600	600	600	600	600	900	1200	1200	1200	1200	1200
1.8	Axle centre to fork face	x (mm)	847	847	884	884	884	884	929	884	929	884	929	884
1.9	Wheelbase	y (mm)	3000	3000	3000	3250	3250	3250	3500	3000	3250	3250	3500	3500
2.1	Service weight	(kg)	16298	16453	19081	19253	19720	22113	22786	19274	20725	22113	21981	22786
2.2	Axle load with load, front/rear	(kg)	23150/3148	26163/2290	30495/2586	31500/2753	32935/2785	36613/3500	37088/2186	30464/2261	33565/2548	34553/2428	36157/2629	
2.3	Axle load without load, front/rear	(kg)	8327/7971	8375/8078	9570/9511	9651/9602	9629/10091	10394/11719	10424/12362	10141/9133	10769/9956	10394/11719	10429/11552	10424/12362
3.1	Tyres rubber, SE, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
3.2	Tyre size, front		10.00 - 20/16 PR	10.00 - 20/16 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR
3.3	Tyre size, rear		10.00 - 20/16 PR	10.00 - 20/16 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR	12.00 - 20/20 PR
3.5	Wheels, number front/rear (x = driven)		4x/2	4x/2	4x/2	4x/2	4x/2	4x/2	4x/2	4x/2	4x/2	4x/2	4x/2	4x/2
3.6	Track width, front	b10 (mm)	1874	1874	1874	1874	1874	1874	1874	1874	1874	1874	1874	1874
3.7	Track width, rear	b11 (mm)	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970	1970
4.1	Mast/fork carriage tilt, forward/backward	a/b (°)	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾
4.2	Height of mast, lowered	h1 (mm)	3404 ^{a)}	3404 ^{a)}	3736 ^{a)}	3736 ^{a)}	3736 ^{a)}	3736 ^{a)}	3736 ^{a)}	3736 ^{a)}	3736 ^{a)}	3736 ^{a)}	3736 ^{a)}	3736 ^{a)}
4.3	Free lift	h2 (mm)	150	150	150	150	150	150	150	150	150	150	150	150
4.4	Lift	h3 (mm)	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
4.5	Height of mast, extended	h4 (mm)	5329	5329	5661	5661	5661	5661	5661	5661	5661	5661	5661	5661
4.7	Height of overhead guard (cabin)	h6 (mm)	3010	3010	3035	3035	3035	3035	3035	3035	3035	3035	3035	3035
4.8	Height of seat/stand on platform	h7 (mm)	1974	1974	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004
4.12	Towing coupling height	h10 (mm)	550	550	580	580	580	580	580	580	580	580	580	580
4.19	Overall length	l1 (mm)	5984	5984	6066	6316	6516	6766	7166	6984	7316	7766	7766	7766
4.20	Length to fork face	l2 (mm)	4584	4584	4666	4916	5116	5366	5766	4584	4916	5116	5366	5366
4.21	Overall width	b1/b2 (mm)	2530/2300	2530/2300	2565/2300	2565/2300	2565/2300	2565/2300	2565/2300	2565/2300	2565/2300	2565/2300	2565/2300	2565/2300
4.22	Fork dimensions	s/e/l (mm)	90 × 200 × 1400	90 × 200 × 1400	100 × 200 × 1400	100 × 200 × 1400	100 × 200 × 1400	100 × 200 × 1400	100 × 200 × 1400	100 × 200 × 1800	100 × 200 × 2400	100 × 200 × 2400	100 × 250 × 2400	100 × 250 × 2400
4.23	Fork carriage to ISO 2328, class/type A, B		Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.
4.24	Width of fork carriage	b3 (mm)	2545	2545	2545	2545	2545	2545	2545	2545	2545	2545	2545	2545
4.25	Fork spread	b5 (mm)	610/2274	610/2274	620/2220	620/2220	620/2220	620/2220	620/2220	620/2220	620/2220	620/2220	620/2220	620/2220
4.31	Ground clearance, below mast	m1 (mm)	172	172	200	200	200	200	200	200	200	200	200	200
4.32	Ground clearance, centre of wheelbase	m2 (mm)	346	346	376	376	376	376	376	376	376	376	376	376
4.35	Turning radius	Wa (mm)	4102	4102	4338	4338	4338	4338	4512	4102	4338	4512	4754	4754
4.36	Minimum pivoting point distance	b13 (mm)	1362	1362	1362	1405	1405	1405	1448	1362	1405	1448	1448	1448
5.1	Travel speed, with/without load	(km/h)	27.9/29.1	27.6/29.1	28.3/30.2	28.3/30.2	28.1/30.1	28.1/29.8	25/25	28.4/30.1	28.4/29.9	28.1/29.8	27.7/29.7	27.7/29.7
5.2	Lifting speed, with/without load	(m/s)	0.4/0.42	0.4/0.42	0.37/0.4	0.37/0.4	0.37/0.4	0.37/0.4	0.37/0.4	0.4/0.42	0.4/0.42	0.4/0.42	0.37/0.42	0.37/0.42
5.3	Lowering speed, with/without load	(m/s)	0.45/0.4	0.45/0.4	0.42/0.38	0.42/0.38	0.42/0.38	0.42/0.38	0.42/0.38	0.45/0.4	0.45/0.4	0.45/0.4	0.45/0.4	0.45/0.4
5.5	Tractive force, with/without load	(N)	98500/100500	98300/100600	92800/95500	103000/105900	102700/105800	102600/105300	102100/105200	99500/99500	92900/95200	102600/105300	102400/105400	102100/105200
5.7	Climbing ability, with/without load	(%)	41.3/80.8	37.6/79.7	29.8/59.3	32.2/67.7	30.6/65.3	30.3/55.6	27.8/53.4	34.4/58.5	30.2/53.0	30.3/55.6	29.4/56.0	27.8/53.4
5.9	Acceleration time, with/without load	(s)	-	-	-	-	-	-	-	-	-	-	-	-
5.10	Service brake		Wet disc	Wet disc	Wet disc	Wet disc	Wet disc	Wet disc	Wet disc	Wet disc	Wet disc	Wet disc	Wet disc	Wet disc
7.1	Engine manufacturer/type		Mercedes-Benz OM934	Cummins QSB 6.7	Mercedes-Benz OM934	Cummins QSB 6.7	Mercedes-Benz OM934	Cummins QSB 6.7	Mercedes-Benz OM934	Cummins QSB 6.7	Mercedes-Benz OM934	Cummins QSB 6.7	Mercedes-Benz OM934	Cummins QSB 6.7
7.2	Engine performance according to ISO 1585	(kW)	129	129 kW (149 kW)	129	129 kW (149 kW)	129	129 kW (149 kW)	150	129 kW (149 kW)	150	129 kW (149 kW)	150	129 kW (149 kW)
7.3	Rated speed	(l/min)	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
7.4	Number of cylinders/displacement	(l/cm³)	4/5100	6/6700	4/5100	6/6700	4/5100	6/6700	4/5100	6/6700	4/5100	6/6700	4/5100	6/6700
7.5	Fuel consumption according to VDI cycle	(l/h)	-	-	-	-	-	-	-	-	-	-	-	-
8.1	Type of drive unit		Torque conv. 3/3	Torque conv. 3/3	Torque conv. 3/3	Torque conv. 3/3	Torque conv. 3/3	Torque conv. 3/3	Torque conv. 3/3	Torque conv. 3/3	Torque conv. 3/3	Torque conv. 3/3	Torque conv. 3/3	Torque conv. 3/3
10.1	Operating pressure for attachments	(bar)	250	250	250	250	250	250	250	250	250	250	250	250
10.2	Oil flow for attachments	(l/min)	5 - 130	5 - 130	5 - 130	5 - 130	5 - 130	5 - 130	5 - 130	5 - 130	5 - 130	5 - 130	5 - 130	5 - 130
10.7	Sound pressure level LpA2 (at the driver's seat)	(dB(A))	70	70	70	70	70	70	70	70	70	70	70	70
10.8	Towing coupling, design/type, DIN 15 170		Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm

1) Tilt angle (forward) stops at 5°, 15° is possible over second interlock
2) With 150 mm free lift

MAST TABLES

STANDARD MAST (in mm)

Series	177								
Lift	h3: 3500	h3: 4000	h3: 4500	h3: 5000	h3: 5500	h3: 6000	h3: 6500		
Height measurements	h1: 3080 h2: 150 h4: 4830	h1#: 3155 h2: 150 h3+s: 3590 h4: 5530	h1: 3330 h2: 150 h3+s: 4090 h4: 5830	h1: 3580 h2: 150 h3+s: 4590 h4: 6330	h1: 3830 h2: 150 h3+s: 5090 h4: 6830	h1#: 3955 h2: 150 h3+s: 5590 h4: 7330	h1: 4080 h2: 150 h3+s: 6090 h4: 7830	h1#: 4155 h2: 150 h3+s: 6590 h4: 8330	
Model	○	○	○	○	○	○	○	○	
HT100/600	○	○	○	○	○	○	○	○	
HT120/600	○	○	○	○	○	○	○	○	

Series	178			
Lift	h3: 3500	h3: 4000	h3: 4500	h3: 5000
Height measurements	h1: 3410 h2: 150 h4: 5160	h1#: 3485 h2: 150 h3+s: 3600 h4: 5661	h1: 3660 h2: 150 h3+s: 4100 h4: 6160	h1: 3910 h2: 150 h3+s: 4600 h4: 6660
Model	○	○	○	○
HT100/1200	○	○	○	○
HT120/1200	○	○	○	○
HT140/600	○	○	○	○
HT150/600	○	○	○	○
HT160/600	○	○	○	○
HT180/600	○	○	○	○

Series	178			
Lift	h3: 5500	h3: 6000	h3: 6500	h3: 7000
Height measurements	h1: 4410 h2: 150 h4: 7160	h1#: 4485 h2: 150 h3+s: 6100 h4: 7660	h1: 4660 h2: 150 h3+s: 6600 h4: 8160	h1: 4910 h2: 150 h3+s: 7100 h4: 8660
Model	○	○	○	○
HT100/1200	○	○	○	○
HT120/1200	○	○	○	○
HT140/600	○	○	○	○
HT150/600	○	○	○	○
HT160/600	○	○	○	○
HT180/600	○	○	○	○

Series	179			
Lift	h3: 3500	h3: 4000	h3: 4500	h3: 5000
Height measurements	h1: 3410 h2: 150 h4: 5160	h1#: 3485 h2: 150 h3+s: 3600 h4: 5661	h1: 3660 h2: 150 h3+s: 4100 h4: 6160	h1: 3910 h2: 150 h3+s: 4600 h4: 6660
Model	○	○	○	○
HT140/1200	○	○	○	○
HT150/1200	○	○	○	○
HT160/1200	○	○	○	○
HT180/900	○	○	○	○

Series	179			
Lift	h3: 5500			