



Standard Mast HT100Ds/600, HT120Ds/600								
h3	Lift	3500	4000	4500	5000	5500	6000	6500
h3 + s	Lift Height	3590	4090	4590	5090	5590	6090	6590
h2	Free Lift	150	150	150	150	150	150	150
h1	Height of mast, lowered	3080	3330	3580	3830	4080	4330	4580
h1 + h2	Height of mast with freelif	3155	3405	3655	3905	4155	4405	4655
h4	Height of mast, Extended	4830	5330	5830	6330	6830	7330	7830
	Tilt Forward/back	15/10	15/10	15/10	15/10	15/10	15/10	15/10

Standard Mast HT100Ds/1200, HT120Ds/1200, HT140Ds/600, HT140Ds/1200, HT150Ds/600, HT160Ds/600, HT180Ds/600									
h3	Lift	3500	4000	4500	5000	5500	6000	6500	7000
h3 + s	Lift Height	3600	4100	4600	5100	5600	6100	6600	7100
h2	Free Lift	150	150	150	150	150	150	150	150
h1	Height of mast, lowered	3410	3660	3910	4160	4410	4660	4910	5160
h1 + h2	Height of mast with freelif	3485	3735	3985	4235	4485	4735	4985	5235
h4	Height of mast, Extended	5160	5660	6160	6660	7160	7660	8160	8660
	Tilt Forward/back	15/10	15/10	15/10	15/10	15/10	15/10	15/10	15/10

Standard Mast HT140Ds/1200, HT150Ds/1200, HT160Ds/1200									
h3	Lift	3500	4000	4500	5000	5500	6000	6500	7000
h3 + s	Lift Height	3600	4100	4600	5100	5600	6100	6600	7100
h2	Free Lift	150	150	150	150	150	150	150	150
h1	Height of mast, lowered	3410	3660	3910	4160	4410	4660	4910	5160
h1 + h2	Height of mast with freelif	3485	3735	3985	4235	4485	4735	4985	5235
h4	Height of mast, Extended	5160	5660	6160	6660	7160	7660	8160	8660
	Tilt Forward/back	15/10	15/10	15/10	15/10	15/10	15/10	15/10	15/10

Standard Equipment/Optional Equipment

Standard Equipment

Glazed Cabin, Doors & Heater
Adjustable steer column
Orange seat belt, with switch
USB charging port
Panzer glass "Clear Sky View"
External mirrors
Abundant storage space
Chassis mounted hourmeter
12V socket in cabin
Absent driver shut off switch
Internal rear-view mirror
Lockable, underseat storage box
Single drive pedal with direction selector in armrest
Hydraulic-suspension comfort-class seat
Individual levers - forkspread and sideshift
Individual levers - lift and tilt
Linde Load Control for low-effort precision of all mast functions
Standard armrest
4.3" High resolution colour display
Powered "forward tilting cabin"

Audible warning reverse alarm
Air intake filter
Perkins 1106D E70TA Stage T3 at 129kW
Engine MTU 4R1000 T4F at 129 kW or 150 kW (depending on the truck model)
Engine intake air cleaner with integral safety element
ZF 3 WG 161/ZF 3 WG 131 ERGOWER SERIES (depending on the truck model)
Kessler D81 drive axle
Variable displacement piston pump
Digital, proportional valve with integrated safety monitoring
High-performance hydraulic filter preserving max. purity of oil for long life of all hydraulic components
Integrated forks and rollers
Fork carriage, width b3=2545 mm
Hydraulic side-shift and fork positioner
Trelleborg or similar premium tyres
Standard mast, lift height h3 = 4000 mm
Linde Service Monitoring System incl. total engine hours, idle time, static working hours and mobile working hours

Optional Equipment

Tinted glass
Heated glass
Panoramic internal mirrors
Buddy seat
10° or 17° rotating driver's seat
DIN A4 pad - Linde
Cup holder
Climate Control
Sun blinds Linde; roof / front
Cabin pre-heater
Rear view and/or front view camera system and screen
270° camera option
Seat incorporating air suspension with compressor
Gated lever - additional hydraulic service
External step lighting
Working lights + LED/Xenon
Truck lights
Beacon lamps
7" Colour display with LED background illumination
Premium armrest with menu driving armrest mounted "rotary pushbutton knob" driving 7" screen
Remote (Modem) diagnostics
Mast height slowdown/speed limit
Connect Access Control

Digital audio broadcasting radio with MP3, USB, Bluetooth and speakers
Engine MTU 4R 1000 T4 available with 150 kW power ratings
Truck speed limiting based on digital input (switch inside the cabin)
Cup holder
Cyclonic air intake filter
Single and double auxiliary hydraulics for all mast types
Linde Load Weight Indicator (+/- 100 kg)
Mast accumulator
Integral fork positioner
Michelin and Simex E4
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), 4000 - 10000 mm lift height (model specific)
Custom paintwork



Forklift Truck
Capacity 10000 - 18000 kg
HT100Ds - HT180Ds

Series 1411

Features

Modern, powerful engines
→ Modern, reliable and fuelefficient Diesel engines
→ Perkins 1106D E70TA Stage T3 at 129 kW
→ Mercedes 4R1000 Stage T4F at 129 kW or 150 kW power ratings incorporating selective catalytic reduction

Reliable equipment
→ Known quality OEM components, thoroughly tested for endurance and security in operation
→ Variable displacement piston pumps and CanBus control valves
→ Kessler D81 Drive Axle
→ ZF 3WG 161 / ZF 3WG 131 Transmission
→ Heavy Duty mast and chains



Precise operation
→ Power on Demand Capability
→ Linde Load Control electro joysticks
→ Precise load handling and powerful acceleration based on hydro-dynamic drive

Linde Service Monitoring System (SMS)
→ Optimized Total Cost of Ownership due to real time monitoring of total engine hours, idle time, static working hours and mobile working hours
→ Lubricants are changed based on application and not fixed hours - saving time, money and resources
→ Best in class engine oil change at 750hrs intervals

Linde Carriage Options
→ NEW - fully independent side shift carriage
→ NEW - self levelling carriage and forks for uneven surfaces and long loads
→ Linde fully integrated carriage and forks system with side shift and fork positioning
→ Linde flat-face carriers with Terminal West hook type forks



Operator's compartment
→ Maximized cab and adjustable steering column
→ Linde Load Control electro joysticks
→ IFM Colour Display 4.3" High Resolution
→ Optional 7" High Resolution Colour Display with "rotary multi-function interface"



Forward Tilt Cab
→ Unique design
→ Major service items can be reached easily by tilting the cab forward
→ Maximized access is possible by tilting the cooler, allowing engine and transmission removal as a single unit
→ Minimizes truck footprint in the service center
→ Easy service access from both sides of the truck



Unique all-round visibility
→ Excellent through mast visibility due to an optimized seating position
→ The Panzer Glass roof section provides excellent visibility on the elevated load
→ Superb rear visibility guaranteed by a wide rear screen and the unique Linde "Clear View" deck incorporating a flush mounted cooling pack, the repositioning of all obtrusive components and the Porsche designed counterweight

Safety

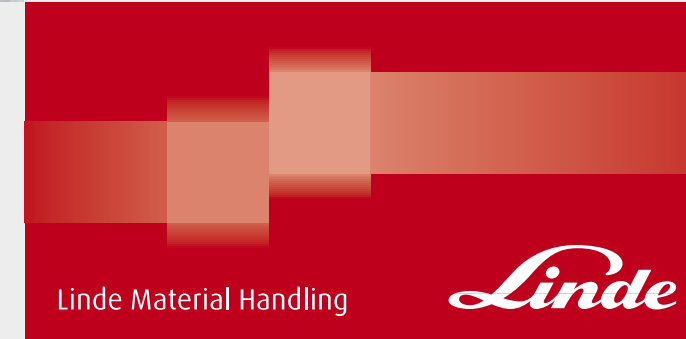
Excellent all round visibility is achieved by the overall design of the new HT100Ds-HT180Ds. By positioning the cab, seat and steering in a centralized position Linde ensures a superb through mast visibility. The rear visibility is optimized by the wide rear screen and unique "Clear View" rear deck. The new Panzer Glass roof provides an unobstructed view to the lifted load.

Performance

A highlight of the HT100Ds-HT180Ds range is the lifting "Power on Demand" capability which balances engine speed to the truck application, this ensures delivery of maximum hydraulic performance while reducing fuel and consequently service costs. High productivity is delivered by the robust, quiet, reliable and fuel-efficient Diesel engine.

Comfort

This truck delivers a comfortable and ergonomic operating environment with maximized cab space. Fully adjustable seating allows the driver to set his individual seating position, whilst a range of options ensures that the cab can be tailored to individual customer requirements. The premium armrest is optionally equipped with an ergonomic "rotary multi-function interface" which is connected to a 7" screen.

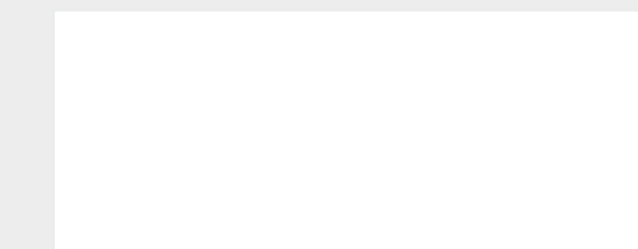


Reliability

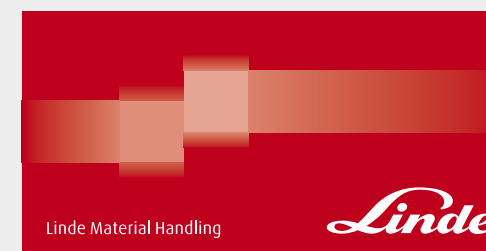
The new Linde range of heavy forklift trucks are equipped with quality, well-known, robust and reliable Original Equipment Manufacturer (OEM) components which have been thoroughly tested in material handling and heavy duty applications to ensure a long operational life.

Productivity

Powerful acceleration and precise load handling are provided at all times thereby assuring optimal levels of productivity. The Perkins, ZF 3 WG and Kessler drive train combination ensures fully automatic powershift transmission with no interruption of the tractive effort by the use of proportional valves and highly intelligent software. Electronic inching offers a "creep function" which makes it easier to position loads with high levels of accuracy.



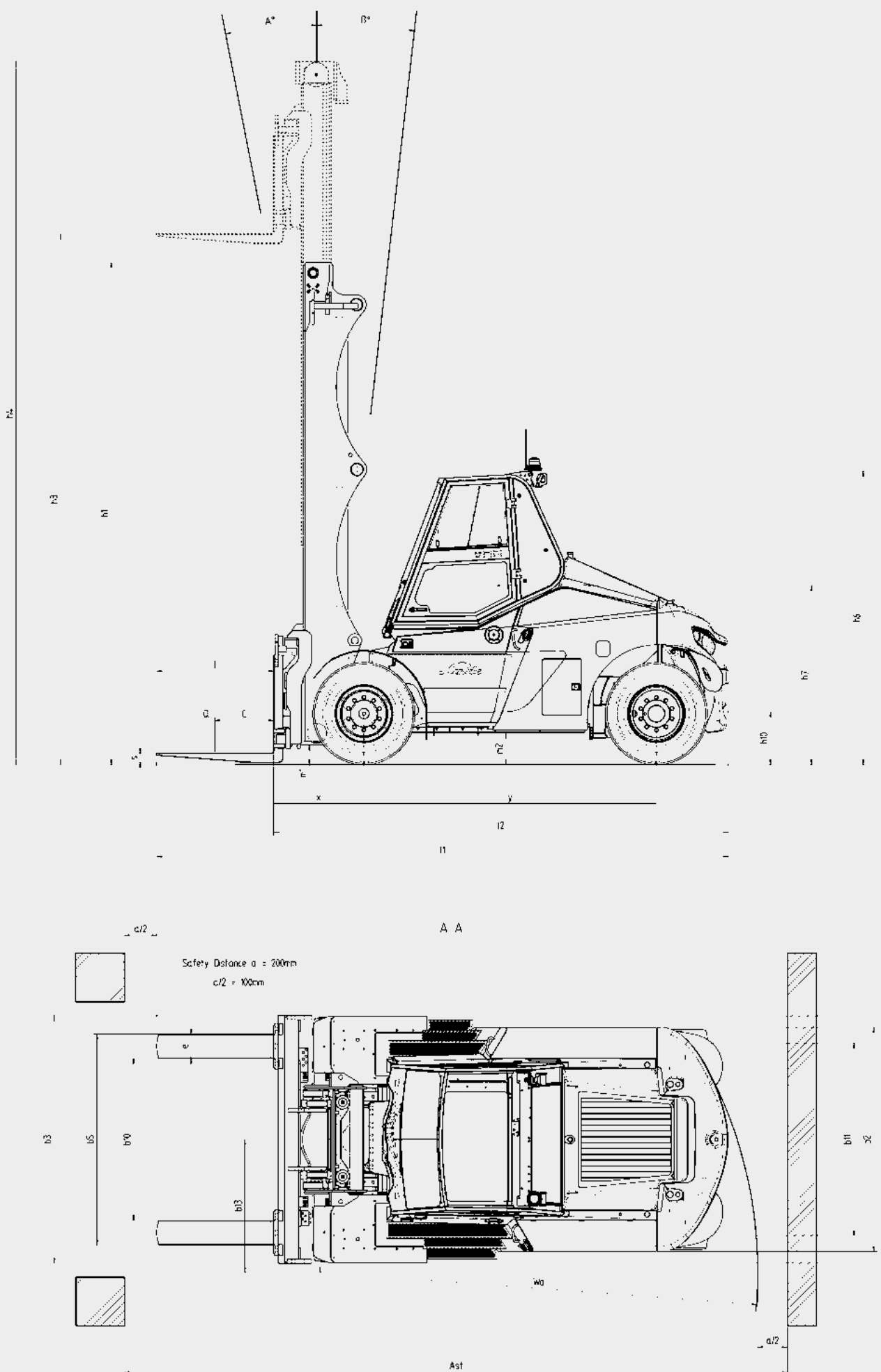
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Technical Data according to VDI 2198

Characteristics	Model designation													
	HT1000s/600	HT1200s/600	HT1400s/600	HT1500s/600	HT1600s/600	HT1800s/600	HT1000s/1200	HT1200s/1200	HT1400s/1200	HT1500s/1200	HT1600s/1200	HT1800s/1200		
1.1 Manufacturer	LINDE													
1.2 Model designation	HT1000s/600 HT1200s/600 HT1400s/600 HT1500s/600 HT1600s/600 HT1800s/600 HT1000s/1200 HT1200s/1200 HT1400s/1200 HT1500s/1200 HT1600s/1200 HT1800s/1200													
1.2a Series	1411-00													
1.3 Power unit	Diesel													
1.4 Operation	Seat													
1.5 Load capacity/Load	Q (t)	10.0	12.0	14.0	15.0	16.0	18.0	10.0	12.0	14.0	15.0	16.0		
1.6 Load centre	c (mm)	600	600	600	600	600	600	1200	1200	1200	1200	1200		
1.8 Axle centre to fork face	x (mm)	847	847	884	884	884	884	929	929	929	929	929		
1.9 Wheelbase	y (mm)	3000	3000	3000	3250	3250	3250	3000	3250	3250	3500	3500		
2.1 Service weight	(kg)	16299	16453	19082	19253	19721	21591	19273	20725	22113	21981	22785		
2.2 Axle load with load, front/rear	(kg)	23150 / 3149	26163 / 2290	30496 / 2586	31500 / 2753	32935 / 2786	36144 / 3447	27238 / 2036	30464 / 2261	33565 / 2548	34553 / 2428	36156 / 2629		
2.3 Axle load without load, front/rear	(kg)	8327 / 7971	8375 / 8078	9570 / 9511	9651 / 9602	9629 / 10091	9675 / 11916	10141 / 9133	10769 / 9956	10394 / 11719	10429 / 11552	10424 / 12362		
3.1 Tyres rubber, SE, pneumatic, polyurethane		Pneumatic												
3.2 Tyre size, front		10.00-20 / 16PR												
3.3 Tyre size, rear		10.00-20 / 16PR												
3.5 Wheels, number front/rear (x = driven)		4x / 2												
3.6 Track width, front	b10 (mm)	1874												
3.7 Track width, rear	b11 (mm)	1970												
4.1 Mast/fork carriage tilt, forward/backward	a/b (°)	15.0 / 10.0 ¹⁾												
4.2 Height of mast, lowered	h1 (mm)	3404 ²⁾												
4.3 Free lift	h2 (mm)	150												
4.4 Lift	h3 (mm)	4000												
4.5 Height of mast, extended	h4 (mm)	5329												
4.7 Height of overhead guard (cabin)	h6 (mm)	3010												
4.8 Height of seat/stand on platform	h7 (mm)	1974												
4.12 Towing coupling height	h10 (mm)	550												
4.19 Overall length	l1 (mm)	5984												
4.20 Length to fork face	l2 (mm)	4584												
4.21 Overall width	b1/b2 (mm)	2530 / 2300												
4.22 Fork dimensions	s/e/l (mm)	90 x 200 x 1200												
4.23 Fork carriage to ISO 2328, class/type A, B		Hyd Fork Posn.												
4.24 Width of fork carriage	b3 (mm)	2545												
4.25 Fork spread, min/max	b5 (mm)	610 / 2274												
4.31 Ground clearance, below mast	m1 (mm)	172												
4.32 Ground clearance, centre of wheelbase	m2 (mm)	346												
4.33 Aisle width with pallet 1000 x 1200 across forks	Ast (mm)	6149 ³⁾												
4.34 Aisle width with pallet 800 x 1200 along forks	Ast (mm)	6349 ³⁾												
4.34e Aisle width with load length 2400 mm	Ast (mm)	6549												
4.35 Turning radius	Wa (mm)	4102												
4.36 Minimum pivoting point distance	b13 (mm)	1362												
5.1 Travel speed, with/without load	(km/h)	28.2 / 29.5												
5.2 Lifting speed, with/without load	(m/s)	0.42 / 0.42												
5.3 Lowering speed, with/without load	(m/s)	0.42 / 0.42												
5.5 Tractive force, with/without load	(kN)	98.8 / 100.8												
5.7 Climbing ability, with/without load	(%)	41.5 / 81.1												
5.9 Acceleration time, with/without load	(s)	-												
5.10 Service brake		Wet disc												
6.4 Battery voltage/rated capacity (Sh)	(V/Ah)	24 (2x 12) / 95												
7.1 Engine manufacturer/type		Perkins 1106D												
7.2 Engine performance according to ISO 1585	(kW)	129												
7.3 Rated speed	(rev/min)	2200												
7.4 Number of cylinders/displacement	(-/cm ³)	6 / 7013												
7.5 Fuel consumption according to VDI cycle	(l/h)	-												
10.1 Operating pressure for attachments	(bar)	250												
10.2 Oil flow for attachments	(l/min)	5-130												
10.7 Noise level at operator's ear	(dB(A))	73												
10.8 Towing coupling, design/type, DIN 15 170		Ø 50 mm												

- Tilt angle (forward) stops at 5°, 15° is possible over second interlock
- With 150 mm free lift
- Including a 200 mm (min.) operating aisle clearance
- Figures in () if fork length <= 1000 mm
- Figures in () if fork length <= 1200 mm



Load capacity diagrams

