



Pictures top: Container version
Pictures middle: Beverage version
Pictures bottom: Container version, CNG version, Beverage version

Standard Equipment/Optional Equipment

Standard Equipment

- Linde twin drive pedals to control forward/reverse travel and braking
- Linde Load Control integrated in armrest
- Hydraulic-suspension comfort-class seat with extensive range of adjustment
- Adjustable-angle steering wheel
- Low-effort, responsive and virtually play-free hydrostatic steering with on-demand power assist
- Anti-glare display including fuel gauge, clock, hour meter and servicing information
- Control lights on display for engine oil pressure, engine overheating, parking brake, audible warning signal for engine and hydraulic oil temperature, blocked intake filter and low fuel level
- Plenty of storage space for writing utensils, beverage cans, etc.
- High safety and stability ensured by Linde ProtectorFrame
- Air intake filter with integral cyclone separator
- High-performance hydraulic filter concept, preserves maximum oil purity and extends life of all hydraulic components

Optional Equipment

- Single drive pedal with direction selector positioned on armrest
- Overhead guard can be upgraded to full cabine with roof, front and rear screens and doors (also available with tinted glass)
- Wiper-washers for front, rear and roof screens
- Seats providing additional comfort (lumbar support, seat heater, air suspended) and adjustments
- Cab heater with integral pollen filter
- Air conditioning
- Radio with CD player and speakers
- Roof blind, clipboard, interior lighting, height-adjusting steering column, 12 V socket
- Standard masts from 3,000mm to 5,400 mm lift
- Duplex masts (full free lift) from 3,030mm to 4,130 mm lift
- Triplex masts (full free lift) from 4,525mm to 6,315 mm lift
- Integrated sideshift
- Integrated fork positioner
- Load backrest
- One or two auxiliary hydraulic circuits for all mast types
- Alternative fork lengths
- Truck lighting, work lamps
- Audible reversing alarm, flasher and strobe beacons
- Mirrors
- Camera and colour monitor

- Superelastic tyres
- LPG truck fitted with two-way catalytic converter and the gas cylinder mount is ergonomically designed for easy changing
- LPG truck is fitted with accurate ultrasonic fuel level indicator for exchange cylinders
- LPG volumetric fuel tank version has a fuel level indicator in the display consul
- Mast
- Standard mast lift height h3 = 3,100/3,000mm (H40, H45/ H50)
- Standard, duplex and triplex masts
- Top-mounted tilt jacks
- Zero-maintenance mast and tilt jack cylinder mounting
- Rubber-mounted joints to cushion shock and vibration
- Electronic tilt angle limiting
- Fork length l = 1,000mm
- Fork carriage width b3 = 1,350mm

- Highway specifications
- Tilt cylinder- and roof protection
- Integral diesel particulate filter with charge status indicator on the display consul
- Air precleaner
- Oilbath air precleaner
- Water trap with audible warning
- Volumetric tank (LPG) with 70 l capacity
- 3-way catalytic converter (LPG)
- Unregulated catalyst (diesel)
- CNG (natural gas) version
- Linde Forklift Data Management (LFM)
- Custom paintwork

Other options available on request



Diesel, LPG and CNG Forklift Trucks
Capacity 4000 - 5000 kg
H40, H45, H50

SERIES 394



Safety

Linde ProtectorFrame: The protective overhead guard and its supporting frame form together a strong protective zone providing optimum safety and protection for the operator. Top-mounted tilt cylinders provide seamless and smooth control of the tilt movements for excellent load stability in all operating conditions. This unique design also enables slimmer mast profiles to be fitted for outstanding visibility.

Performance

Low consumption and exhaust level and nevertheless this truck range continues to impress with its excellent performance. Advanced engine and drive technology combined with the original Linde Load Control system enables the operator to use the trucks vast potential to maximise productivity. Precise fingertip control of all mast functions.

Comfort

Step in relaxed, leave again relaxed. Linde brings to this forklift a generously sized automobile-class workspace. A perfect interface between operator and truck has been achieved with the Linde ergonomic design concept. The spacious cab, comfort-class seat with adjustable armrest and intuitive controls allow fast and stress-free working.

Reliability

Proven in tough applications. Decoupling of mast and drive axle with chassis and cabine results in reduced shock and vibration. The enclosed robot-welded chassis is designed for maximum strength and durability. The resilient, maintenance-free mountings of the axles and tilt jacks cut downtime and operating costs.

Productivity

50 years of permanent optimisation of the original Linde hydraulic system leads to effective and costefficient work: The original Linde hydrostatic transmission requires no differential, no drum brake, no gearshift and no clutch. As a result, uptime is optimised, productivity is increased and maintenance costs are low.

Features

- Original Linde hydrostatic drive**
 - With no differential or conventional service brake
 - hydrostatic drive provides smooth progressive, hydrostatic operational braking as accelerator pedal is released
 - Well proven durability and reliability in the toughest of applications
 - A low-maintenance system for long life and maximum uptime

- Linde twin accelerator pedals**
 - Rapid and smooth travel direction changes without having to constantly move feet to and from the brake pedal
 - Short pedal strokes
 - No strain on the ankles or legs
 - Operator maintains high efficiency levels



- Linde operator compartment**
 - Advanced functional design for optimum operator comfort and efficiency
 - Superb working environment with spacious leg and headroom
 - Excellent visibility of load and surrounding environment through the slim profile mast sections
 - Resilient mounting of mast and drive axle absorbs road shocks and vibrations

- Linde ProtectorFrame**
 - Enclosed, robot-welded chassis for maximum durability and protection of components
 - A tilting engine cover and service panels give easy and wide access for maintenance routines



- Linde Load Control**
 - Small tactile joystick integrated in an adjustable armrest
 - Precise and effortless fingertip control of all mast functions for safe, efficient load handling
 - Engine rpm is automatically synchronised to precisely match hydraulic demands

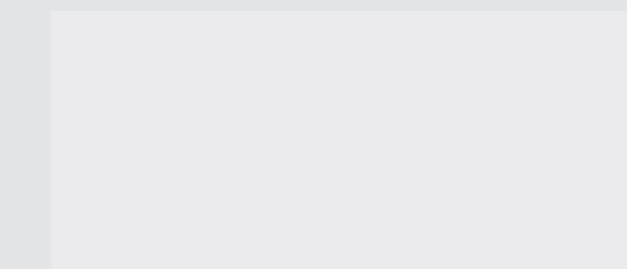


- Linde Truck Control**
 - Intelligent electronic Linde Truck Control (LTC)
 - Enables performance parameters to be matched to application
 - Consistently high reliability due to dual circuitry of all monitoring systems
 - Fully protected within sealed aluminium enclosure against ingress of dust or moisture
 - Automatic control of engine rpm to precisely match hydraulic demand

- High-economy engine technology**
 - Modern, advanced technology Diesel, LPG and CNG engines matched to Linde's demanding requirements
 - High torque for impressive and flexible performance
 - Extremely fuel efficient
 - Exhaust emissions significantly below the approved European limits



- Linde clear-view mast**
 - Superb visibility through the slim-profile mast sections
 - Full load capacity available up to maximum lift height
 - Excellent residual capacity ratios
 - Maintenance-free resilient rubber mounting of mast/drive axle and tilt jacks
 - Electronic limiting of tilt angle
 - Electronic cushioning of end travel for forward/back tilt



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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.

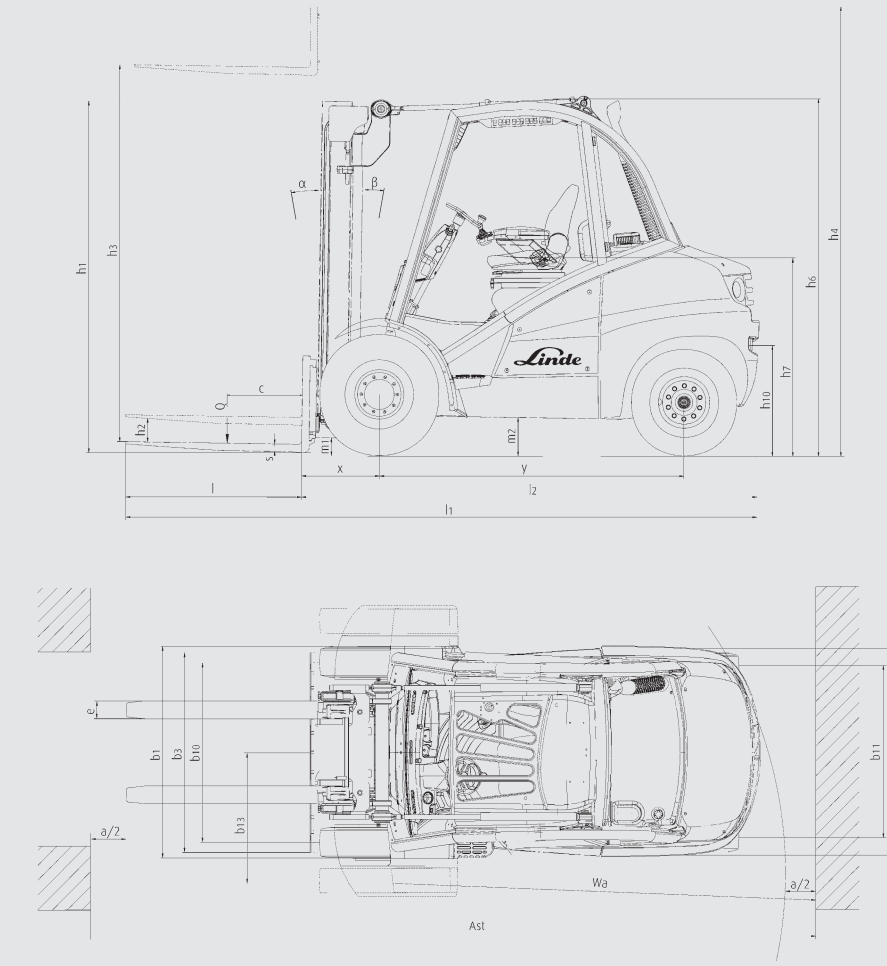
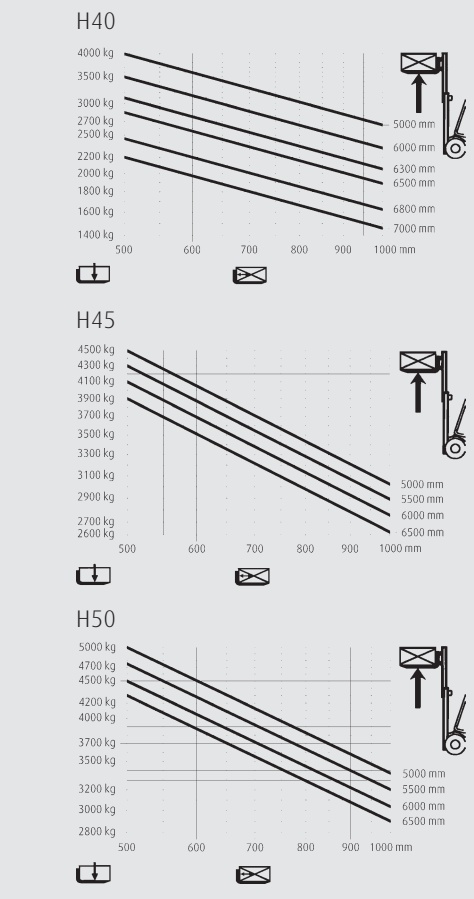
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Technical Data according to VDI 2198

Characteristics	LINDE										
	1.1	1.2	1.3	1.4	1.5	1.6	1.8	1.9	2.1	2.2	2.3
Manufacturer	LINDE	LINDE	LINDE	LINDE	LINDE	LINDE	LINDE	LINDE	LINDE	LINDE	LINDE
Model designation	H40D	H45D	H50/500D	H40T	H45T	H50/500T	H50/500D-Container ¹⁾	H50/500D-Raised_Cab ¹⁾	H50/500 CNG ²⁾		
Power unit	Diesel	Diesel	Diesel	LPG	LPG	LPG	Diesel	Diesel	CNG		
Operation	Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat		
Load capacity	Q (t)	4.0	4.5	5.0	4.0	4.5	5.0	5.0	5.0		
Load centre	c (mm)	500	500	500	500	500	500	500	500		
Axle centre to fork face	x (mm)	483	525	535	483	525	493	535	535		
Wheelbase	y (mm)	1998	2038	2078	1998	2038	2078	2078	2078		
Service weight	(kg)	5785	6340	6580	5965	6480	6640	6790	6765		
Axle load with load, front/rear	(kg)	8608 / 1177	9555 / 1285	10370 / 1210	8663 / 1302	9613 / 1367	10425 / 1340	10335 / 1305	10531 / 1259	10425 / 1340	
Axle load without load, front/rear	(kg)	2640 / 3145	2792 / 3548	2880 / 3700	2695 / 3270	2850 / 3630	2935 / 3830	2946 / 3694	3041 / 3749	2935 / 3830	
Tyres rubber, SE, pneumatic, polyurethane	SE (P)	SE (P)	SE (P)	SE (P)	SE (P)	SE (P)	SE	SE	SE		
Tyre size, front		250-15	300-15	300-15	250-15	300-15	28x12,5-15	300-15 SC15	300-15-SC15		
Tyre size, rear		250-15	250-15	250-15	250-15	250-15	250-15-SC15	250-15 SC15	250-15-SC15		
Wheels, number front/rear (x = driven)		2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2		
Track width, front	b10 (mm)	1221	1190	1190	1221	1190	1190	1190	1190		
Track width, rear	b11 (mm)	1122	1122	1122	1122	1122	1122	1122	1122		
Mast/fork carriage tilt, forward/backward	a/b (°)	5.0 / 9.0 ³⁾	5.0 / 9.0 ³⁾	5.0 / 9.0 ³⁾	5.0 / 9.0 ³⁾	5.0 / 9.0 ³⁾	5.0 / 7.5 ³⁾	4.0 / 9.0 ³⁾	5.0 / 9.0 ³⁾		
Height of mast, lowered	h1 (mm)	2370 ⁴⁾	2421 ⁴⁾	2421 ⁴⁾	2370 ⁴⁾	2421 ⁴⁾	2421 ⁴⁾	2160	2776 ⁴⁾	2421 ⁴⁾	
Free lift	h2 (mm)	150	150	150	150	150	150	1310	150	150	
Lift	h3 (mm)	3000	3000	3000	3000	3000	3000	4045	3800	3000	
Height of mast, extended	h4 (mm)	3795	3916	3916	3795	3916	3916	4895	4716	3916	
Height of overhead guard (cabin)	h6 (mm)	2383	2416	2416	2383	2416	2416	2220	2816	2416	
Height of seat/stand-on platform	h7 (mm)	1226	1264	1264	1226	1264	1264	1151	1664	1264	
Towing coupling height	h10 (mm)	703	726	719	703	726	719	733	719	719	
Overall length	l1 (mm)	3984	4066	4116	3984	4066	4116	4074	4116	4116	
Length to fork face	l2 (mm)	2984	3066	3116	2984	3066	3116	3074	3116	3116	
Overall width	b1/b2 (mm)	1446 / 1423	1448 / 1423	1448 / 1423	1446 / 1423	1448 / 1423	1448 / 1423	1487 / 1423	1448 / 1423	1446 / 1423	
Fork dimensions	s/e/l (mm)	50 x 120 x 1000	50 x 120 x 1000	60 x 130 x 1000	50 x 120 x 1000	50 x 120 x 1000	60 x 130 x 1000	60 x 130 x 1000	60 x 130 x 1000	60 x 130 x 1000	
Fork carriage to ISO 2328, class/type A, B		3A	3A	3A	3A	3A	3A	3A	3A	3A	
Width of fork carriage	b3 (mm)	1350	1350	1350	1350	1350	1350	1350	1350	1350	
Ground clearance, below mast	m1 (mm)	158	205	203	158	205	203	146	203	203	
Ground clearance, centre of wheelbase	m2 (mm)	201	236	235	201	236	235	207	235	235	
Aisle width with pallet 1000 x 1200 across forks	Ast (mm)	4355 ⁵⁾	4433 ⁵⁾	4480 ⁵⁾	4355 ⁵⁾	4433 ⁵⁾	4480 ⁵⁾	4438 ⁵⁾	4480 ⁵⁾	4480 ⁵⁾	
Aisle width with pallet 800 x 1200 along forks	Ast (mm)	4555 ⁵⁾	4633 ⁵⁾	4680 ⁵⁾	4555 ⁵⁾	4633 ⁵⁾	4680 ⁵⁾	4638 ⁵⁾	4680 ⁵⁾	4680 ⁵⁾	
Turning radius	Wa (mm)	2672	2708	2745	2672	2708	2745	2745	2745	2745	
Minimum pivoting point distance	b13 (mm)	700	700	700	700	700	700	700	700	700	
Travel speed, with/without load	(km/h)	21 / 21	24 / 24	24 / 24	21 / 21	24 / 24	24 / 24	20 / 20	24 / 24	24 / 24	
Lifting speed, with/without load	(m/s)	0.53 / 0.56	0.53 / 0.56	0.48 / 0.5	0.53 / 0.56	0.53 / 0.56	0.53 / 0.56	0.48 / 0.5	0.53 / 0.56	0.48 / 0.5	
Lowering speed, with/without load	(m/s)	0.52 / 0.57	0.52 / 0.57	0.5 / 0.56	0.52 / 0.57	0.52 / 0.57	0.5 / 0.56	0.52 / 0.57	0.5 / 0.56	0.5 / 0.56	
Tractive force, with/without load	(N)	28541 / 20570	25285 / 21841	25285 / 22375	28540 / 21160	25285 / 22350	30202 / 23120	25064 / 23866	25285 / 23040		
Climbing ability, with/without load	(%)	29.0 / 34.0	23.5 / 32.0	22.6 / 31.8	28.0 / 33.0	22.0 / 32.0	20.0 / 32.0	28.0 / 36.0	22.0 / 36.0	20.0 / 32.0	
Acceleration time, with/without load	(s)	5.7 / 4.8	6.0 / 5.2	6.2 / 5.5	5.6 / 4.8	5.9 / 5.2	6.1 / 5.5	6.3 / 5.6	6.2 / 5.5	6.1 / 5.5	
Service brake		hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic	
Engine manufacturer/type		VW CBJ.B	VW CBJ.B	VW CBJ.B	VW BMF	VW BMF	VW BMF	VW CBJ.B	VW CBJ.B	VW BMF	
Engine performance according to ISO 1585	(kW)	55	55	55	55	55	55	55	55	55	
Rated speed	(1/min)	2800	2800	2800	2800	2800	2800	2800	2800	2800	
Number of cylinders/displacement	(-/cm3)	4 / 1968	4 / 1968	4 / 1968	6 / 3189	6 / 3189	6 / 3189	4 / 1968	4 / 1968	6 / 3189	
Fuel consumption according to VDI cycle	(l/h)	4.5	4.7	4.9	-	-	-	4.9	4.9	-	
Type of drive control		hydrost./stepl.	hydrost./stepl.	hydrost./stepl.	hydrost./stepl.	hydrost./stepl.	hydrost./stepl.	hydrost./stepl.	hydrost./stepl.	hydrost./stepl.	
Operating pressure for attachments	(bar)	170	170	170	170	170	170	170	170	170	
Oil flow for attachments	(l/min)	48	48	48	48	48	48	48	48	48	
Noise level at operator's ear	(dB(A))	79.0	78.0	78.0	77.0	77.0	77.0	79.0	79.0	77.0	
Towing coupling, design/type, DIN 15 170		similar to form H	similar to form H	similar to form H	similar to form H	similar to form H	similar to form H	similar to form H	similar to form H	similar to form H	

1) Technical specifications for LPG version or other tonnage like H40/45 on request
 2) Technical specifications for H40/45 on request
 3) Lift height and equipment can alter rear mast tilt angle
 4) With 150 mm free lift on standard mast
 5) Including a 200 mm (min.) operating aisle clearance.

Lifting Capacity Diagrams



Overall height and lift heights, Standard (in mm)							
Lift	h3	H40-50	3000	3100	3700	4100	5000
Height of Mast, lowered	h1	H40	2370	2420	2720	2920	3370
		H45/50	2421	2471	2771	2971	3421
Height of Mast, extended	h4	H40	3795	3895	4495	4895	5795
		H45/50	3916	4016	4616	5016	5916
Free lift	h2	H40-50	150	150	150	150	150
Overall height and lift heights, Duplex (in mm)							
Lift	h3	H40-50	3030	3130	3730	4130	-
Height of Mast, lowered	h1	H40	2325	2375	2675	2875	-
		H45/50	2376	2426	2726	2926	-
Height of Mast, extended	h4	H40	3794	3894	4494	4894	-
		H45/50	3946	4046	4646	5046	-
Free lift	h2	H40	1561	1611	1911	2111	-
		H45/50	1460	1510	1810	2010	-
Overall height and lift heights, Triplex (in mm)							
Lift	h3	H40-50	4525	4675	5365	5865	-
Height of Mast, lowered	h1	H40	2325	2375	2625	2825	-
		H45/50	2376	2426	2676	2876	-
Height of Mast, extended	h4	H40	5286	5436	6126	6626	-
		H45/50	5441	5591	6281	6781	-
Free lift	h2	H40	1564	1614	1864	2064	-
		H45/50	1460	1510	1760	1960	-
Alternative lift heights available on request.							