



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
- Original Linde Load Control integrated in armrest
- Hydraulic suspended comfort-class seat with extensive range of adjustment
- Hydrostatic steering, kickback free
- High safety and stability ensured by Linde ProtectorFrame
- Anti-glare display with fuel gauge, clock, hour meter and service information
- Control lights on display for engine oil pressure, engine over-heating, 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...
- Air intake filter with integrated cyclone separator
- High-performance hydraulic filter concept, guarantees maximum oil purity and extends life of all hydraulic components
- LPG truck fitted with a two-way catalytic converter
- The mounting of the gas bottle is ergonomically designed for easy changing

Optional Equipment

- Single drive pedal with direction selector 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
- Further seats with additional comfort and adjustments
- Cab heater with integrated pollen filter
- Air Conditioning
- Radio with CD-player and speakers
- Sun screens, clipboard, interior lighting, height adjustable steering column
- Standard masts from 3,000 mm to 5,400 mm lift
- Duplex masts (full free lift) from 2,700 mm to 4,130 mm lift
- Triplex masts (full free lift) from 4,525 mm to 6,315 mm lift
- Integrated sideshift
- Integrated fork positioner
- Load backrest
- One or two auxiliary hydraulic circuits for all mast types

- LPG truck fitted with accurate ultrasonic fuel level indicator for exchange bottles
- LPG volumetric fuel tank version with fuel level indicator at the display
- Superelastic tyres

New STANDARD features for the Evo models:

- Variable displacement pump for best energy consumption
- Integrated diesel particulate filter for EU models with 55 kW
- New seat/armrest generation for outstanding ergonomics
- LEPS (Linde-Engine-Protection-System) as monitoring of motor oil pressure and level, temperature and level of the cooling water and temperature of the hydraulic oil
- Curve Assist for automatic speed adaption
- Intelligent drive dynamic modi now integrate lift hydraulic
- New development timing belt protection
- Enhanced steering axle
- Handhold for safe access at A-pillar

- Alternative fork lengths
- Tilt cylinder- and roof protection
- Truck lighting, working lamps
- Audible reversing alarm, flasher and strobe beacons
- Mirrors
- Linde original Blue Spot
- Camera and colour monitor
- Road traffic specifications
- Air precleaner
- Oilbath air precleaner
- Volumetric tank (LPG) with capacities of 70 l
- 3-way catalytic converter (LPG)
- Unregulated catalyst (Diesel)
- CNG (natural gas) version
- Linde Forklift Data Management
- Custom paintwork

Other options available on request



Diesel, LPG and CNG Forklift Trucks
Capacity 4000 - 5000 kg
H40/500 *EVO*®, H45/500 *EVO*®,
H50/500 *EVO*®, H50/600 *EVO*®^{394_02}



Safety

Linde ProtectorFrame: The protective overhead guard and its supporting frame together form 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 cost-efficient 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

- Sensitive, smooth, and precise driving
- Variable displacement pump for best energy consumption
- No clutch, no differential, and no drum brakes thanks to hydrostatic direct drive
- Robust drive even in extreme environments

Linde ProtectorFrame

- Enclosed, robot-welded chassis for maximum durability and protection of components
- A hinged engine cover and service panels give easy and wide access for maintenance
- Hand grip on A-pillar for safe on/off access

Linde twin accelerator pedals

- Fast and smooth travel direction changes without constantly moving feet from one pedal to the other
- Short pedal travel
- No strain on ankles or legs
- Operator maintains high efficiency levels

Linde Load Control

- Mini levers for all mast functions mounted on 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

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 operator compartment

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



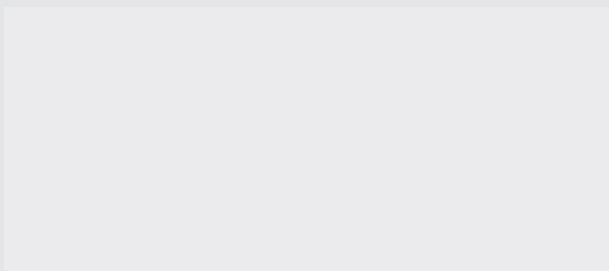
Variable displacement pump

- For mast functions and additional hydraulic circuits
- Electrically controlled by Linde Load Control levers
- The Linde pump only provides the required oil volume
- Lower fuel consumption
- Less noise
- Extended oil change intervals



Linde clear-view mast

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



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

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Technical Data according to VDI 2198

Characteristics	1.1	Manufacturer		LINDE	LINDE	LINDE	LINDE	LINDE	LINDE	LINDE	LINDE	LINDE	LINDE	LINDE
	1.2	Model designation		H40D	H45D	H50/500D	H50/600D	H40T	H45T	H50/500T	H50/600T	H50/500D-Container ¹⁾	H50/500D Beverage ²⁾	H50/500 CNG ³⁾
	1.2a	Series		394-02	394-02	394-02	394-02	394-02	394-02	394-02	394-02	394-02	394-02	394-02
	1.3	Power unit		Diesel	Diesel	Diesel	Diesel	LPG	LPG	LPG	LPG	Diesel	Diesel	CNG
	1.4	Operation		Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat
Weights	1.5	Load capacity	Q (t)	4.0	4.5	4.99	4.99	4.0	4.5	4.99	4.99	4.99	4.99	4.99
	1.6	Load centre	c (mm)	500	500	500	600	500	500	500	600	500	500	500
	1.8	Axle centre to fork face	x (mm)	483	525	535	535	483	525	535	535	493	535	535
	1.9	Wheelbase	y (mm)	1998	2038	2078	2078	1998	2038	2078	2078	2078	2078	2078
	2.1	Service weight	(kg)	5785	6295	6580	6947	5965	6480	6765	7132	6640	6790	6765
Wheels / Tyres	2.2	Axle load with load, front/rear	(kg)	8608 / 1177	9553 / 1242	10355 / 1215	10605 / 1332	8663 / 1302	9613 / 1367	10410 / 1345	10660 / 1462	10321 / 1309	10516 / 1264	10410 / 1345
	2.3	Axle load without load, front/rear	(kg)	2640 / 3145	2790 / 3505	2880 / 3700	2889 / 4058	2695 / 3270	2850 / 3630	2935 / 3830	2944 / 4188	2946 / 3694	3041 / 3749	2935 / 3830
	3.1	Tyres rubber, SE, pneumatic, polyurethane		SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
	3.2	Tyre size, front		250/70-15 (250-15)	315/70-15 (300-15)	315/70-15 (300-15)	315/70-15 (300-15)	250/70-15 (250-15)	315/70-15 (300-15)	315/70-15 (300-15)	315/70-15 (300-15)	355/45-15 (28x12.5-15)	315/70-15 (300-15)	315/70-15 (300-15)
	3.3	Tyre size, rear		250/70-15 (250-15)	250/70-15 (250-15)	250/70-15 (250-15)	250/70-15 (250-15)	250/70-15 (250-15)	250/70-15 (250-15)	250/70-15 (250-15)	250/70-15 (250-15)	250/70-15 (250-15)	250/70-15 (250-15)	250/70-15 (250-15)
	3.5	Wheels, number front/rear (x = driven)		2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2
	3.6	Track width, front	b10 (mm)	1221	1190	1190	1190	1221	1190	1190	1190	1190	1190	1190
	3.7	Track width, rear	b11 (mm)	1122	1122	1122	1122	1122	1122	1122	1122	1122	1122	1122
	4.1	Mast/fork carriage tilt, forward/backward	a/b (°)	5.0 / 9.0 ⁴⁾	5.0 / 9.0 ⁴⁾	5.0 / 9.0 ⁴⁾	5.0 / 9.0 ⁴⁾	5.0 / 9.0 ⁴⁾	5.0 / 9.0 ⁴⁾	5.0 / 9.0 ⁴⁾	5.0 / 9.0 ⁴⁾	5.0 / 7.5 ⁴⁾	4.0 / 9.0 ⁴⁾	5.0 / 9.0 ⁴⁾
	4.2	Height of mast, lowered	h1 (mm)	2370 ⁵⁾	2421 ⁵⁾	2421 ⁵⁾	2421 ⁵⁾	2370 ⁵⁾	2421 ⁵⁾	2421 ⁵⁾	2421 ⁵⁾	2160	2776 ⁵⁾	2421 ⁵⁾
Dimensions	4.3	Free lift	h2 (mm)	150	150	150	150	150	150	150	150	1310	150	150
	4.4	Lift	h3 (mm)	3000	3000	3000	2800	3000	3000	3000	2800	4045	3800	3000
	4.5	Height of mast, extended	h4 (mm)	3795	3916	3916	3816	3795	3916	3916	3816	4895	4716	3916
	4.7	Height of overhead guard (cabin)	h6 (mm)	2383	2416	2416	2416	2383	2416	2416	2416	2220	2816	2416
	4.8	Height of seat/stand on platform	h7 (mm)	1226	1264	1264	1264	1226	1264	1264	1264	1151	1664	1264
	4.12	Towing coupling height	h10 (mm)	703	726	719	718	703	726	719	718	733	719	719
	4.19	Overall length	l1 (mm)	3984	4066	4116	4396	3984	4066	4116	4396	4074	4116	4116
	4.20	Length to fork face	l2 (mm)	2984	3066	3116	3196	2984	3066	3116	3196	3074	3116	3116
	4.21	Overall width	b1/b2 (mm)	1446 / 1423	1448 / 1423	1448 / 1423	1448 / 1423	1446 / 1423	1448 / 1423	1448 / 1423	1448 / 1423	1487 / 1423	1448 / 1423	1448 / 1423
	4.22	Fork dimensions	s/e/l (mm)	50 x 120 x 1000	50 x 120 x 1000	60 x 130 x 1000	60 x 130 x 1200	50 x 120 x 1000	50 x 120 x 1000	60 x 130 x 1000	60 x 130 x 1200	60 x 130 x 1000	60 x 130 x 1000	60 x 130 x 1000
	4.23	Fork carriage to ISO 2328, class/type A, B		3A	3A	3A	3A	3A	3A	3A	3A	3A	3A	3A
	4.24	Width of fork carriage	b3 (mm)	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
	4.31	Ground clearance, below mast	m1 (mm)	158	205	203	203	158	205	203	203	146	203	203
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	201	236	235	234	201	236	235	234	207	235	235
	Performance	4.33	Aisle width with pallet 1000 x 1200 across forks	Ast (mm)	4355 ⁶⁾	4433 ⁶⁾	4480 ⁶⁾	4560 ⁶⁾	4355 ⁶⁾	4433 ⁶⁾	4480 ⁶⁾	4560 ⁶⁾	4438 ⁶⁾	4480 ⁶⁾
4.34		Aisle width with pallet 800 x 1200 along forks	Ast (mm)	4555 ⁶⁾	4633 ⁶⁾	4680 ⁶⁾	4760 ⁶⁾	4555 ⁶⁾	4633 ⁶⁾	4680 ⁶⁾	4760 ⁶⁾	4638 ⁶⁾	4680 ⁶⁾	4680 ⁶⁾
4.35		Turning radius	Wa (mm)	2672	2708	2745	2825	2672	2708	2745	2825	2745	2745	2745
4.36		Minimum pivoting point distance	b13 (mm)	700	700	700	700	700	700	700	700	700	700	700
5.1		Travel speed, with/without load	(km/h)	21 / 21	24 / 24	24 / 24	24 / 24	21 / 21	24 / 24	24 / 24	24 / 24	20 / 20	24 / 24	24 / 24
5.2		Lifting speed, with/without load	(m/s)	0.53 / 0.57	0.53 / 0.57	0.49 / 0.53	0.49 / 0.53	0.53 / 0.57	0.53 / 0.57	0.49 / 0.53	0.49 / 0.53	0.49 / 0.53	0.49 / 0.53	0.49 / 0.53
5.3		Lowering speed, with/without load	(m/s)	0.56 / 0.53	0.56 / 0.53	0.54 / 0.51	0.54 / 0.51	0.56 / 0.53	0.56 / 0.53	0.54 / 0.51	0.54 / 0.51	0.54 / 0.51	0.54 / 0.51	0.54 / 0.51
5.5		Tractive force, with/without load	(N)	28541 / 20570	25285 / 21841	25285 / 22375	25285 / 22673	28540 / 21160	25285 / 22350	25285 / 23040	25285 / 23105	30202 / 23120	25064 / 23866	25285 / 23040
5.7		Climbing ability, with/without load	(%)	29.0 / 34.0	22.0 / 32.0	21.0 / 32.0	20.0 / 30.0	28.0 / 33.0	22.0 / 32.0	20.0 / 32.0	19.0 / 30.0	28.0 / 36.0	22.0 / 36.0	20.0 / 32.0
5.9		Acceleration time, with/without load	(s)	5.5 / 4.8	5.6 / 4.9	5.7 / 5.0	5.8 / 5.1	5.6 / 4.8	5.7 / 4.9	5.8 / 5.0	5.9 / 5.1	5.7 / 5.0	5.7 / 5.0	5.8 / 5.0
IC-Drive	5.10	Service brake		hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic	hydrostatic
	7.1	Engine manufacturer/type		VW CPYA	VW CPYA	VW CPYA	VW CPYA	VW BMF	VW BMF	VW BMF	VW BMF	VW CPYA	VW CPYA	VW BMF
	7.2	Engine performance according to ISO 1585	(kW)	55	55	55	55	55	55	55	55	55	55	55
	7.3	Rated speed	(1/min)	2700	2700	2700	2700	2800	2800	2800	2800	2700	2700	2800
	7.4	Number of cylinders/displacement	(-/cm3)	4 / 1968	4 / 1968	4 / 1968	4 / 1968	6 / 3189	6 / 3189	6 / 3189	6 / 3189	4 / 1968	4 / 1968	6 / 3189
	7.5	Fuel consumption according to VDI cycle	(l/h)	4.2	4.4	4.6	4.7	-	-	-	-	4.5	4.6	-
	7.5a	Fuel consumption according to VDI cycle	(kg/h)	-	-	-	-	3.9	4.1	4.3	4.4	-	-	-
Others	7.5b	Fuel consumption according to VDI cycle	(m3/h)	-	-	-	-	-	-	-	-	-	-	5.4 (H); 5.8 (L) ⁷⁾
	8.1	Type of drive control		LTC	LTC	LTC	LTC	LTC	LTC	LTC	LTC	LTC	LTC	LTC
	8.2	Operating pressure for attachments	(bar)	170	170	170	170	170	170	170	170	170	170	170
	8.3	Oil flow for attachments	(l/min)	48	48	48	48	48	48	48	48	48	48	48
	8.4	Noise level at operator's ear	(dB(A))	79	79	79	79	77	77	77	77	79	79	77
	8.5	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	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 LPG version upon request

3) Technical specifications for H40/45 on request

4) Lift height and equipment can alter rear mast tilt angle

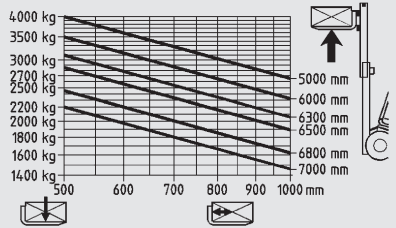
5) With 150 mm free lift on standard mast

6) Including a 200 mm (min.) operating aisle clearance.

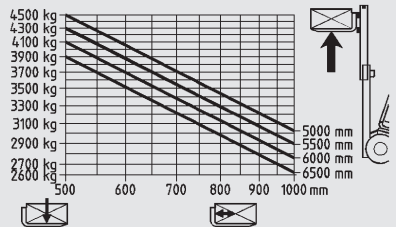
7) (H)= high quality, (L)= low quality

Lifting capacity diagrams

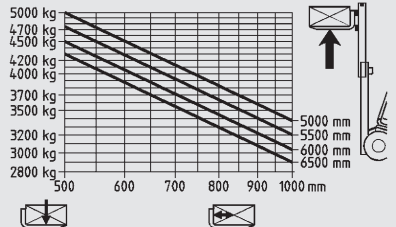
H40/500



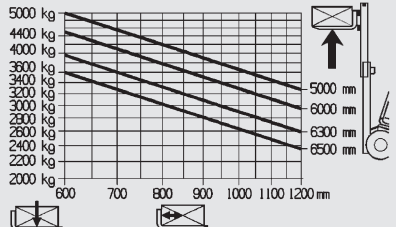
H45/500



H50/500



H50/600



Overall height and lift height Standard mast (in mm)														
Lift	h3		3000	3100	3200	3700	4100	4400	5000					
	h1	H40	2370	2420	-	2720	2920	3070	3370					
	h1	H45 - H50	2421	2471	-	2771	2971	3121	3421					
	h1	H50/600	-	-	2620	2870	3070	3220	3520					
Mast extended	h4	H40	3795	3895	-	4495	4895	5195	5795					
	h4	H45 - H50	3916	4016	-	4616	5016	5316	5916					
	h4	H50/600	-	-	4216	4716	5116	5416	6016					
	h2	H40 - H50	150	150	150	150	150	150	150					
Overall height and lift height Duplex mast (in mm)														
Lift	h3		3030	3130	3730	4130	-	-	-					
	h1	H40	2325	2375	2675	2875	-	-	-					
	h1	H45 - H50	2376	2426	2726	2926	-	-	-					
	h1	H50/600	2376	-	2526	-	2676	-	2876	-				
Mast extended	h4	H40	-	5286	-	5436	-	6126	-	6626				
	h4	H45 - H50	-	5441	-	5591	-	6281	-	6781				
	h4	H50/600	5241	-	5631	-	6081	-	6581	-				
	h2	H40	-	1564	-	1614	-	1864	-	2064				
Free lift	h2	H45 - H50	-	1460	-	1510	-	1760	-	1960				
	h2	H50/600	1360	-	1510	-	1660	-	1860	-				

Figures in mm

Alternative lift heights available on request