



**Diesel and LPG Forklift Trucks**  
**Capacity 5000 – 8000 kg**  
**H 50, H 60, H 70, H 80, H 80/900** SERIES 353

### Safety

With loads weighing up to 8,000 kg, safety takes first priority. The Linde Torsion Support proves very advantageous when swaying loads and dynamic forces have to be contended with. As much as 30 % of these forces can be absorbed within the roof structure.

### Performance

A truck designed to take care of the really tough tasks. Advanced engine and drive technology combined with actuation of all mast and auxiliary hydraulic functions from the central control lever enables the operator to use the truck's vast potential to maximise productivity.

### Comfort

Man and machine are perfectly interfaced on these high-capacity forklifts. Intuitive operation removes the need to shift hands from the steering wheel, control levers or switch feet between pedals allowing the operator to concentrate on the essentials: Allows fast, stress-free working.



Linde Material Handling

*Linde*

### Reliability

Truck structure optimized by the Finite Element Method. Special reinforcing at points of strain contribute to maximum stability and long life.

### Productivity

Effective and costefficient at work: The original Linde hydrostatic drive cost does away with gearshift, clutch, differential and drum brakes. As a result, servicing costs are low, truck uptime is high and productivity is enhanced.

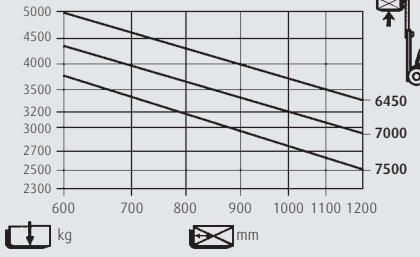
# Technical data

Characteristics	1.1	Manufacturer		LINDE	LINDE	LINDE
	1.2	Model designation		<b>H50D</b>	<b>H50T</b>	<b>H60D</b>
	1.3	Power unit: battery, diesel, petrol, LP gas, mains power		Diesel	LPG	Diesel
	1.4	Operation: pedestrian, stand-on, seated, order picker		Seated	Seated	Seated
	1.5	Load capacity	Q (kg)	5000	5000	6000
	1.6	Load centre	c (mm)	600	600	600
	1.8	Axle centre to fork face	x (mm)	590	590	590
	1.9	Wheelbase	y (mm)	2160	2160	2160
	Weight	2.1	Service weight	kg	9625	9570
2.2		Axle load with load, front/rear	kg	12405/2220	12350/2220	14375/1910
2.3		Axle load without load, front/rear	kg	4635/4990	4600/4970	4675/5210
Wheels and tyres	3.1	Tyres, front/rear (SE = CS superelastic, L = pneumatic)		SE	SE	SE
	3.2	Tyre size, front		300 – 15 <sup>2)</sup>	300 – 15 <sup>2)</sup>	355/65 – 15 <sup>2)</sup>
	3.3	Tyre size, rear		8.25 – 15 <sup>2)</sup>	8.25 – 15 <sup>2)</sup>	8.25 – 15 <sup>2)</sup>
	3.5	Wheels, rubber front/rear (x = driven)		2x/2	2x/2	2x/2
	3.6	Track width, front	b10 (mm)	1612 <sup>4)</sup>	1612 <sup>4)</sup>	1599 <sup>4)</sup>
	3.7	Track width, rear	b11 (mm)	1600	1600	1600
Dimensions	4.1	Mast/fork carriage tilt, forward/backward	$\alpha/\beta$ (°)	6/10	6/10	6/10
	4.2	Height of mast, lowered	h1 (mm)	2734 <sup>1)5)</sup>	2734 <sup>1)5)</sup>	2734 <sup>1)5)</sup>
	4.3	Free lift	h2 (mm)	150	150	150
	4.4	Lift	h3 (mm)	3550 <sup>1)</sup>	3550 <sup>1)</sup>	3550 <sup>1)</sup>
	4.5	Height of mast, extended	h4 (mm)	4447 <sup>1)</sup>	4447 <sup>1)</sup>	4447 <sup>1)</sup>
	4.7	Height of overhead guard (cabin)	h6 (mm)	2730	2730	2730
	4.8	Height of seat/stand-on platform	h7 (mm)	1432	1432	1432
	4.12	Towing coupling height	h10 (mm)	810	810	810
	4.19	Overall length	l1 (mm)	4595	4595	4595
	4.20	Length to fork face	l2 (mm)	3395	3395	3395
	4.21	Overall width	b1/b2 (mm)	1894 (2262)/1864 <sup>3)</sup>	1894 (2262)/1864 <sup>3)</sup>	1948 (2262)/1890 <sup>3)</sup>
	4.22	Fork dimensions	s/e/l (mm)	60 x 130 x 1200	60 x 130 x 1200	60 x 130 x 1200
	4.23	Fork carriage to DIN 15173, class/form A, B		4A	4A	4A
	4.24	Width of fork carriage	b3 (mm)	1800	1800	1800
	4.31	Ground clearance, mast	m1 (mm)	152	152	153
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	234	234	235
	4.33	Aisle width with pallets 1200 x 1000 across forks	Ast (mm)	4850	4850	4850
	4.34	Aisle width with pallets 800 x 1200 along forks	Ast (mm)	5050	5050	5050
	4.35	Turning radius	Wa (mm)	3060	3060	3060
	4.36	Min. turning radius, front axle	b13 (mm)	975	975	975
Performance	5.1	Travel speed, with/without load	km/h	22/22	22/22	22/22
	5.2	Lifting speed, with/without load	m/s	0.53/0.53	0.51/0.51	0.53/0.53
	5.3	Lowering speed, with/without load	m/s	0.50 /0.50	0.50 /0.50	0.50 /0.50
	5.5	Tractive force with/without load	N	35000/34000	35000/34000	38000/36000
	5.7	Climbing ability, with/without load	%	22/32	22 /32	22/31
	5.9	Acceleration time, with/without load	s	4.6/4.2	5.5/5.1	5.1/4.6
	5.10	Service brake		hydrostatic	hydrostatic	hydrostatic
IC-engine	7.1	Manufacturer of engine /type		Deutz BF6M2012	Perkins 1006.60	Deutz BF6M2012
	7.2	Engine rated power to ISO 1585	kW	75	71	75
	7.3	Rated rpm	min <sup>-1</sup>	2200	2100	2200
	7.4	Number of cylinders/Displac. ccm	cm3	6/6060	6/5985	6/6060
	7.5	Fuel consumption to VDI	l/h; kg/h	7.3	7.0	7.7
Others	8.1	Type of drive control		hydrostat. transmission	hydrostat. transmission	hydrostat. transmission
	8.2	Working pressure for attachments	bar	265	265	265
	8.3	Oil quantity for attachments	l/min	70	70	70
	8.4	Mean noise level at driver' ear	dB(A)	78 <sup>6)</sup>	80 <sup>6)</sup>	78 <sup>6)</sup>
	8.5	Towing coupling, design /type		DIN 15170 H	DIN 15170 H	DIN 15170 H
1) For alternative mast refer to table page 3			5) With 150 mm free lift			
2) Further tyres on demand			6) Mean level at drivers ear according to EN 12053. Values are higher compared to a measurement according to DIN 45635 part 36 due to different measurement approach			
3) Figures in brackets refer to twin tyre configuration 8.25 – 15/18 PR						
4) 1748 mm with twin tyres 8.25 – 15						

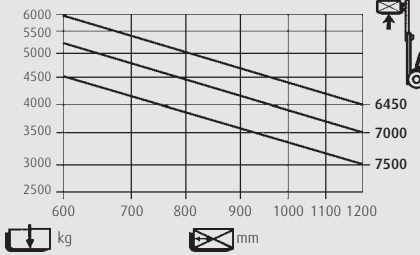


**Lifting capacity diagrams**

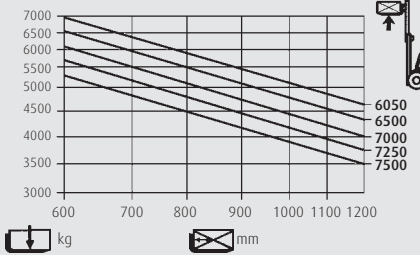
**H 50**



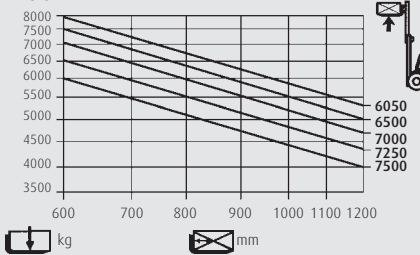
**H 60**



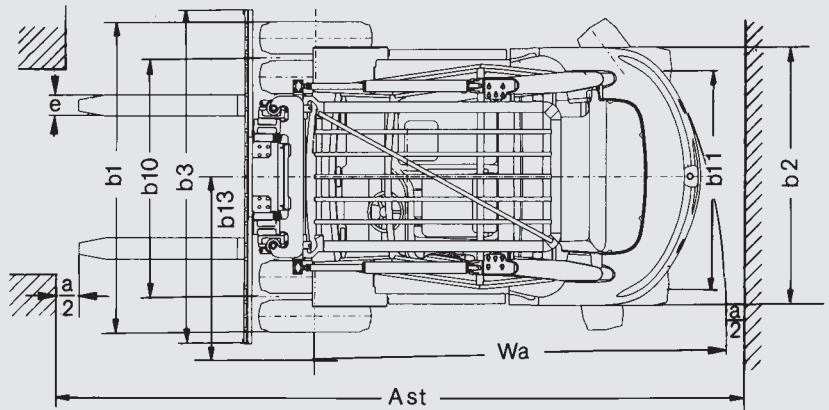
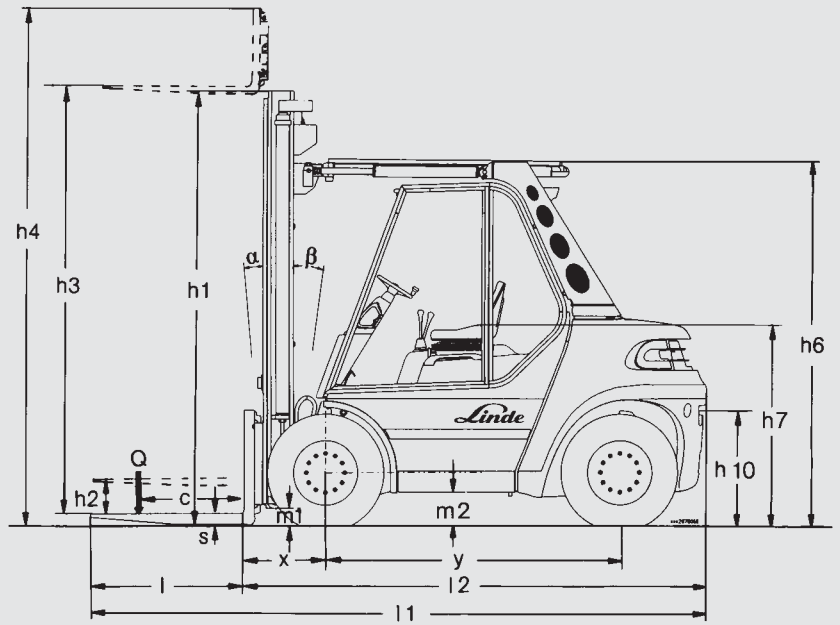
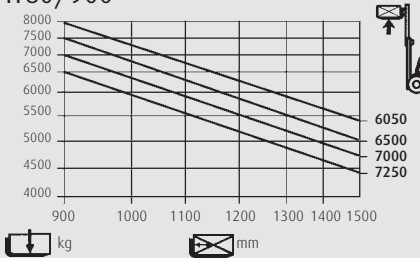
**H 70**



**H 80**



**H 80/900**



Safety distance a = 200 mm

**Overall and lift heights H 50, H 60 (in mm)**

Lift	<b>h3</b>	3550	4150	4550	5250	6050
Overall heights, forks lowered (with 150 mm free lift - standard)	<b>h1 #</b>	2730	3030	3230	3580	3980
Overall heights, at max. lift	<b>h4</b>	4450	5050	5450	6150	6950

**Overall and lift heights H 70, H 80 (in mm)**

Lift	<b>h3</b>	3150	3750	4150	4850	5650
Overall heights, forks lowered (with 150 mm free lift - standard)	<b>h1 #</b>	2730	3030	3230	3580	3980
Overall heights, at max. lift	<b>h4</b>	4250	4850	5250	5950	6750

**Overall and lift heights H 80/900 (in mm)**

Lift	<b>h3</b>	2750	3350	3750	4450	5250
Overall heights, forks lowered (with 150 mm free lift - standard)	<b>h1 #</b>	2730	3030	3230	3580	3980
Overall heights, at max. lift	<b>h4</b>	4150	4750	5150	5850	6650

Carrying capacity diagrams valid with SE-tyres.

# Standard and optional equipment

## Standard equipment

### Truck

Combination dry-type air intake filter

Two-way catalytic converter for LPG engine

Upswept exhaust

Hydraulic oil suction filter

14 V, 55 A generator

Sprung hydraulic-suspension seat, adjustable for body size and weight

Combination display with hour meter and control lamps for all main truck functions

### Standard mast

Lift height h3 = 3,550 mm (H 50, H 60),

Lift height h3 = 3,150 mm (H 70, H 80),

Lift height h3 = 2,750 mm (H 80/900)

### Fork carriage

Width b3 = 1,800 mm (H 50, H 60, H 70),

Width b3 = 2,180 mm (H 80, H 80/900),

### Forks

Length l = 1,200 mm (H 50 – H 80),

Length l = 1,800 mm (H 80/900)

## Options

### Standard masts

3,550 to 6,850 mm lift (H 50, H 60)

3,150 to 7,250 mm lift (H 70, H 80)

2,750 to 6,850 mm lift (H 80/900)

One or two auxiliary hydraulic circuits

Special fork carriage widths

Load backrest

Alternative fork lengths

Air precleaner

Overhead guard can be upgraded to full cabine with roof, front and rear screens and doors (also available with tinted glass)

Cab add-ons extending up to full glazing with electric wipers front, rear and top

Comfort-class seat (fabric cover, breather system, lumbar support)

Super-comfort seat (seat heater, extended backrest)

Cab heater

Work lamps

Truck lighting

Highway specifications

Alternative tyres

Custom paintwork

Warning stripes

Diesel particulate filter

Other options available on request

# Features

## Original Linde hydrostatic drive

- Responsive, smooth and precise driving
- No clutch, differential or drum brakes; hydrostatic drive assumes function of service brake
- Robust drive system, well proven in severest duty
- Low maintenance costs and long life



## Linde clear-view mast

- Superb visibility
- Full load capacity up to maximum lift height
- Exceptional residual capacity

## Linde twin drive pedals

- Quick change of forward/reverse direction without changing feet on pedals
- Short pedal stroke
- No leg fatigue
- Increased productivity

## Linde central control lever

- Accurate, safe load handling
- Engine speed automatically optimized on lift, lower and tilt motions
- Traction and lift functions completely separate

## Linde Truck Control

- Reliable electronic controller
- High dependability resulting from redundant monitoring systems
- Automatic control of engine speed as function of load
- Casing totally enclosed for protection from dust and dirt



## Linde operator compartment

- Ergonomic design for efficient, fatigue-free working
- Central control lever for all basic load handling functions: lift, lower, tilt
- Excellent visibility of load and surroundings
- Seat adjustable for fore/aft position and operator body size/weight

## High-economy engine technology

- Diesel and LPG engines incorporating most advanced technology
- High torque
- Low fuel consumption
- Low engine-out emissions

## Linde Torsion Support

- Dynamic forces substantially absorbed through roof structure
- Minimized loading and wear of truck frame and mast
- Safety bonus: Lever action makes possible significantly increased residual capacity at high lifts

