

Standard and optional equipment

Standard equipment

General	
Linde hydrostatic transmission	Clearview standard mast lift:
Liquid cooled engine:	3550 mm (H 50/H 60), 3150 mm (H 70/H 80), 2750 mm (H 80/900)
Deutz BF6M2012 turbo charged diesel	Fork length 1200 mm (H 50 to H 80)
Perkins 1006.60 LPG	Fork length 1800 mm (H 80/900)
Two way catalytic converter (LPG)	Fork carriage width 1800 mm (H 50/H 60)
Twin volumetric LPG tanks	2180 mm (H 70/H 80/H 80/900)
High performance air cleaner and hydraulic oil filter	Standard colour scheme vermilion and charcoal grey
Hydrostatic power steering	
Dual axis hydraulic control lever	Safety
Linde twin accelerator pedals	Three independent braking systems
Adjustable comfort seat with seat belt	Asbestos-free brake components
Superelastic tyres	Electric horn
Single mounted front wheels (H 50/H 60)	Hydraulic overload protection
Twin mounted front wheels (H 70/H 80/H 80/900)	Burst hose check valve
Comprehensive instrument display	Overhead guard
	Seat belt

Options

Standard mast lifts to:	Full cab with hinged doors front and rear screens and wipers
6050 mm (H 50/H 60), 5650 mm (H 70/H 80), 5250 mm (H 80/900)	Engine air pre-filter (diesel)
Single accelerator pedal layout with direction selector	Integral soot particulate filter (diesel)
Individual hydraulic control levers	Alternative tyre types and wheel configurations
Fabric covered seat	Alternative fork lengths
Alternative fork carriage widths	Alternative fork carriage widths
Sideshift	Fork extensions
Load backrest extension	Audible reversing alarm
Additional hydraulic circuits	Alternative colour schemes
Truck lighting/flashing amber beacon/working lamps	
	Other options available on request



Diesel and LPG Counterbalance Trucks Capacity 5000 kg – 8000 kg H 50, H 60, H 70, H 80, H 80/900

SERIES 353

Linde Material Handling

Linde

Introduction

This highly successful range of heavy-duty hydrostatic engine trucks has established an enviable reputation for efficient and economical load handling in a wide variety of demanding applications including loading/unloading, storage/retrieval, block stacking and rapid load transfer.

Performance

The unique and well-proven Linde hydrostatic drive combined with advanced and powerful low emission engines provides smooth, infinitely variable speed control for flexible high performance and impressive productivity in intensive applications.

Operator comfort

A perfect interface between operator and truck has been achieved with the Linde ergonomic design concept. The spacious, cushioned cab, comfort-class seat and an intuitive control layout create a superb environment that motivates and promotes efficiency and high productivity.

Durability

Linde engine powered forklifts are constructed to undertake sustained heavy-duty tasks in their stride. The enclosed robot-welded chassis is designed for maximum strength and durability. The rugged construction and components ensure long life and durability.

Maximum uptime and productivity

Efficiency at work, efficiency in servicing. The low maintenance hydrostatic transmission and automatic engine speed control result in productive uptime ratios of up to 500 hours between services. Operating costs are therefore reduced and maximum productivity is achieved.

Features

Linde hydrostatic transmission

- No clutch, no reversing gears and none of the costs associated with these components
- Seamless power transfer to the traction wheels
- Safe, rapid direction changes, with no component stress or wear
- The perfect system for intensive shunting and manoeuvring duties
- No direction or gear lever for effortless productivity from the operator
- Automatic hydrostatic braking as accelerator pedal is released

Linde twin accelerator pedals

- Assured manoeuvring with Linde short stroke, twin accelerator pedals
- Effortless forward/reverse selection using accelerator pedals places minimal demands on operator
- Operator is able to maintain high efficiency and productivity levels

Ergonomic, intuitive controls

- Dual axis lever for lift and tilt functions
- Effortless, intuitive control of all mast movements
- Automatic engine speed control as lift lever is actuated results in reduced engine rpm, lower fuel consumption and longer engine life
- Superb inching control

Durable chassis design

- Cushioned operator's cab for maximum comfort and safety
- Enclosed chassis for maximum structural integrity and component protection
- Low profile design for good all-round visibility
- Wide step access to spacious cab
- Profiled chassis for excellent manoeuvrability



Designed around the operator

- Spacious cab with easy access, a comfort-class seat and an intuitive control layout
- Hydrostatic power steering for effortless manoeuvring
- Excellent visibility of load and surrounding environment
- Comprehensive instrument display for instant read-out of truck status
- Cab is cushioned from vibrations and road shocks by hydraulically damped mountings

Modern low emission engines

- Powerful yet fuel efficient
- Available in either diesel or LPG versions
- Modern low emission, low noise design
- Provides impressive high-torque performance

The Linde clearview mast

- A clearview standard mast design using double T channel for maximum strength
- Side mounted lift cylinders for optimum visibility
- Top mounted tilt cylinders for outstanding mast stability and control
- Linde Torsion Support system absorbs torsional stress from heavy loads for extended working life
- High residual capacities at maximum lift

Linde Material Handling (UK) Ltd
Kingsclere Road, Basingstoke, Hampshire RG21 6XJ
Tel +44(0)1256 342000, Fax +44(0)1256 342923, www.linde-mh.co.uk, enquiries@linde-mh.co.uk

Linde Material Handling

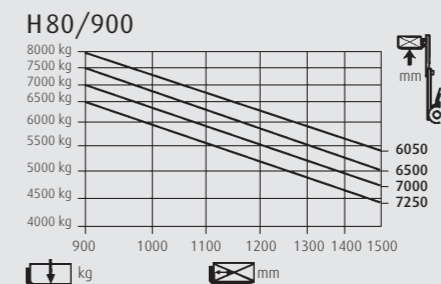
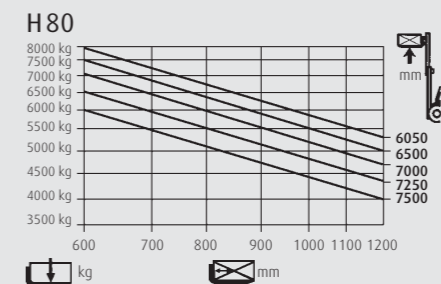
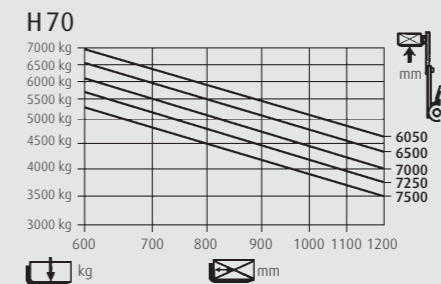
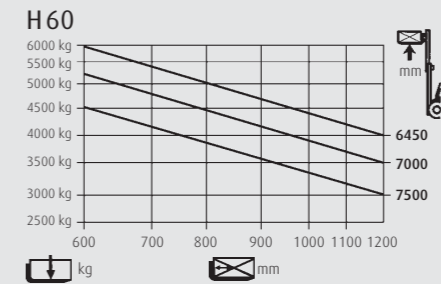
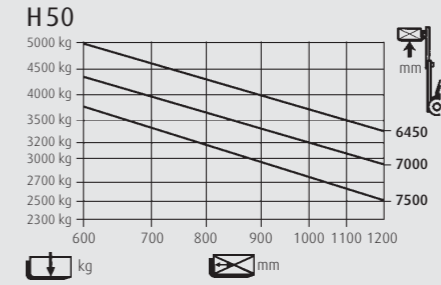
Linde

Technical data

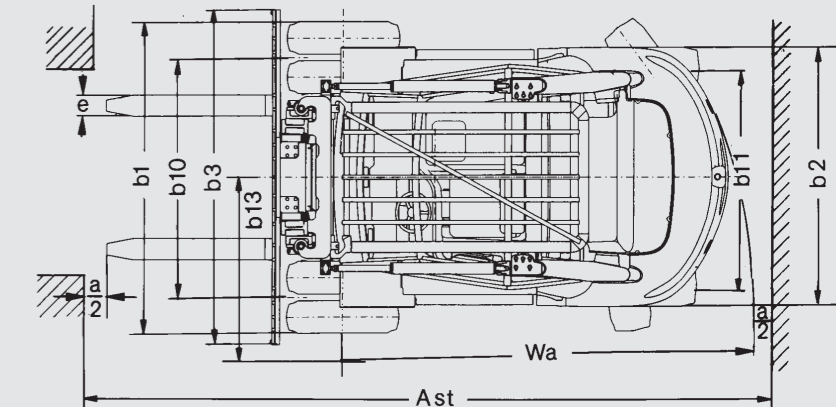
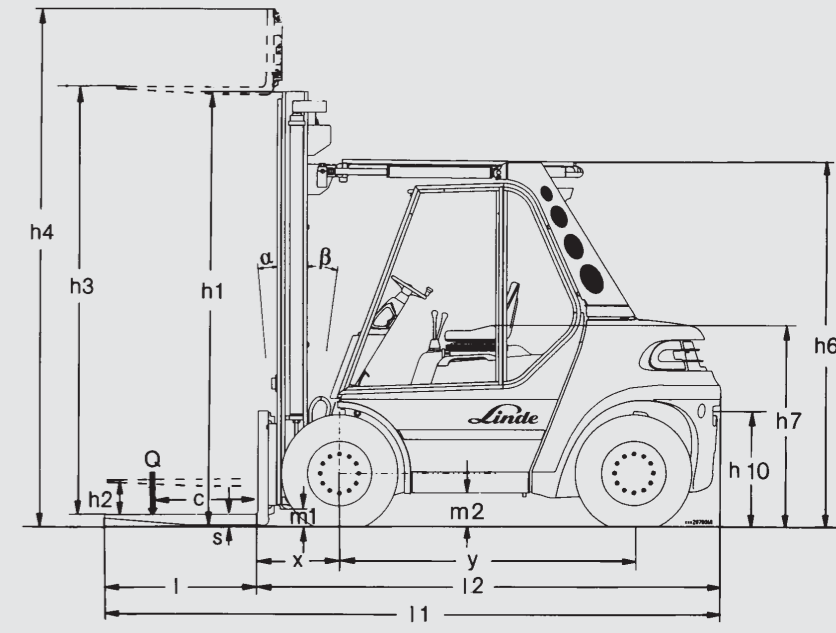
			LINDE				LINDE				LINDE			
			H 50 D	H 50 T	H 60 D	H 60 T	H 70 D	H 70 T	H 80 D	H 80 T	H 80 D/900	H 80 T/900		
Characteristics	1.1	Manufacturer	LINDE											
	1.2	Model designation	H 50 D, H 50 T, H 60 D, H 60 T, H 70 D, H 70 T, H 80 D, H 80 T, H 80 D/900, H 80 T/900											
	1.3	Power unit: battery, diesel, petrol, LP gas, mains power	Diesel, LPG											
	1.4	Operation: pedestrian, stand-on, seated, order picker	Seated											
	1.5	Load capacity	Q (kg)											
	1.6	Load centre	c (mm)											
	1.8	Axle centre to fork face	x (mm)											
	1.9	Wheelbase	y (mm)											
Weight	2.1	Service weight	kg											
	2.2	Axle load with load, front/rear	kg											
	2.3	Axle load without load, front/rear	kg											
Wheels and tyres	3.1	Tyres, front/rear (SE = superelastic, P = pneumatic)	SE/SE											
	3.2	Tyre size, front	300-15 ²⁾											
	3.3	Tyre size, rear	8.25-15 ²⁾											
	3.5	Wheels, rumber front/rear (x = driven)	2x/2, 4x/2											
	3.6	Track width, front	b10 (mm)											
	3.7	Track width, rear	b11 (mm)											
Dimensions	4.1	Mast/fork carriage tilt, forward/backward	α/β (°)											
	4.2	Height of mast, lowered	h1 (mm)											
	4.3	Free lift	h2 (mm)											
	4.4	Lift	h3 (mm)											
	4.5	Height of mast, extended	h4 (mm)											
	4.7	Height of overhead guard (cabin)	h6 (mm)											
	4.8	Height of seat/stand-on platform	h7 (mm)											
	4.12	Towing coupling height	h10 (mm)											
	4.19	Overall length	l1 (mm)											
	4.20	Length to fork face	l2 (mm)											
	4.21	Overall width	b1/b2 (mm)											
	4.22	Fork dimensions	s/e/l (mm)											
	4.23	Fork carriage to DIN 15173, class / form A, B	4A											
	4.24	Width of fork carriage	b3 (mm)											
	4.31	Ground clearance, mast	m1 (mm)											
	4.32	Gound clearance, centre of wheelbase	m2 (mm)											
	4.33	Aisle width, pallet 1200 x 1000 across forks	Ast (mm)											
	4.34	Aisle width, pallet 800 x 1200 along forks	Ast (mm)											
	4.35	Turning radius	Wa (mm)											
	4.36	Minimum pivot point distance	b13 (mm)											
Performance	5.1	Travel speed, with/without load	km/h											
	5.2	Lifting speed, with/without load	m/s											
	5.3	Lowering speed, with/without load	m/s											
	5.5	Tractive force with/without load, 60 minute rating	N											
	5.7	Climbing ability, with/without load, 30 minute rating	%											
	5.9	Acceleration time, with/without load (first 15 min)	s											
	5.10	Service brake	Hydrostatic											
Drive	7.1	Engine manufacturer/type	Deutz BF6M2012, Perkins 1006.60											
	7.2	Engine rated power to ISO 1585	kW											
	7.3	Rated speed	min ⁻¹											
	7.4	Number of cylinders/displacement	cm ³											
	7.5	Fuel consumption to VDI cycle	l/h											
Other	8.1	Type of drive control	Hydrostatic transmission											
	8.2	Working pressure for attachments	bar											
	8.3	Oil flow for attachments	l/min											
	8.4	Noise level at operator's ear	dB(A)											
	8.5	Towing coupling, design / type	DIN 15170-H											

1) For alternative mast refer to table page 3
2) Further tyres on demand
3) Figures in brackets refer to twin tyre configuration 8.25-15/18 PR
4) 1748 mm with twin tyres 8.25-15
5) With 150 mm free lift
6) Mean level at operator's ear according to EN 12053. Values are higher compared to a measurement according to DIN 45635 part 36 due to different measurement approach
7) Figure higher than previous due to amended measuring method in VDI Code 2198 (previous figure / new figure)

Lifting capacity diagrams



Carrying capacity diagrams valid with SE-tyres.



Safety distance a = 200 mm

	h3	3550	4150	4550	5250	6050
Lift	h3	2730	3030	3230	3580	3980
Height of mast, lowered (with 150 mm free lift)	h1	4450	5050	5450	6150	6950
Height of mast, extended	h4					

	h3	3150	3750	4150	4850	5650
Lift	h3	2730	3030	3230	3580	3980
Height of mast, lowered (with 150 mm free lift)	h1	4250	4850	5250	5950	6750
Height of mast, extended	h4					

	h3	2750	3350	3750	4450	5250
Lift	h3	2730	3030	3230	3580	3980
Height of mast, lowered (with 150 mm free lift)	h1	4150	4750	5150	5850	6650
Height of mast, extended	h4					

Alternative lift heights available on request. Lift height = h3 + s.