

#### Safety

With full loads weighing as much as 17500 lbs. at 43" load center and having up to 256" of lift height—safety is priority number one. The Linde Torsion Support System and mast design are the fundamental reasons for stability when handling wide, swaying loads and high dynamic forces. Mast distortion can be reduced up to 30%.

#### Performance

This truck is engineered to take care of the really tough jobs. Advanced engine design and Linde hydrostatic drive technology enable the operator to accelerate and decelerate smoothly and without shift-shock, at slow pace or at full speed. Without effort, using the original Linde Load Control, the driver manipulates the load efficiently and quickly in any condition. Precise control of all movements is the key to high performance.

#### Comfort

Man and machine are perfectly matched on these high capacity forklifts. Designed to the most advanced ergonomic standards, the generously sized driver's cab provides a comfortable work environment. Fully adjustable seat and armrest contribute to minimizing stress and fatigue. Fingertip hydraulic controls, designed into the armrest, add further to the fatigue free operation.



#### Reliability & Durability

50 years of experience with hydrostatic drive systems are combined with a robust, industrial diesel engine, the result, utmost reliability. This combination has consistently proven dependable in even the most challenging environments. This machine is effective and cost efficient without equal.

#### **Economic**

The original Linde hydrostatic system operates without mechanical transmission, torque converter, clutch, differential axle and conventional brakes. The net effect: low operating cost and increased productivity, a significant advantage especially in high cycle applications.

## Standard and optional equipment

#### Standard equipment:

Direct injection, turbo charged, 4.0 liter (244 cubic inches) diesel engine with intercooler, providing 116 hp
Twin pedal drive system
SE tires
Armrest with Linde Load Control
Hydraulic suspension, high comfort driver seat
Tiltable steering wheel
Hydrostatic power steering
Torsion distribution system
High performance filter system
Comprehensive display

#### Options:

Single pedal travel control
Tire options, Radial, twin, etc..
Special carriages
Integrated sideshifters and fork positioners
Complete cabs
Heating and cooling
Seat options
Lighting options
Various custom options and packages

Other options available on request

## **Features**



#### Linde twin pedal travel control

- → Instantaneous directional changes
- → Precise control without shift shock
- ightarrow Lower fatigue, improved productivity

#### Linde load control

- → Effortless load handling with fingertip control
- → Precision placement and transfer of loads
- → Complete separation of travel and hydraulic functions

#### Linde truck control

- → Automatic engine speed control
- → Redundant monitoring systems
- ightarrow Fully sealed electronic controller







#### Linde operator compartment

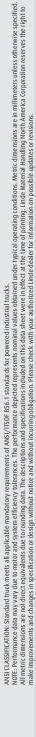
- → Unmatched visibility
- → Advanced ergonomic design
- → Spacious
- → Floating, shock mounted cab

#### Power plant

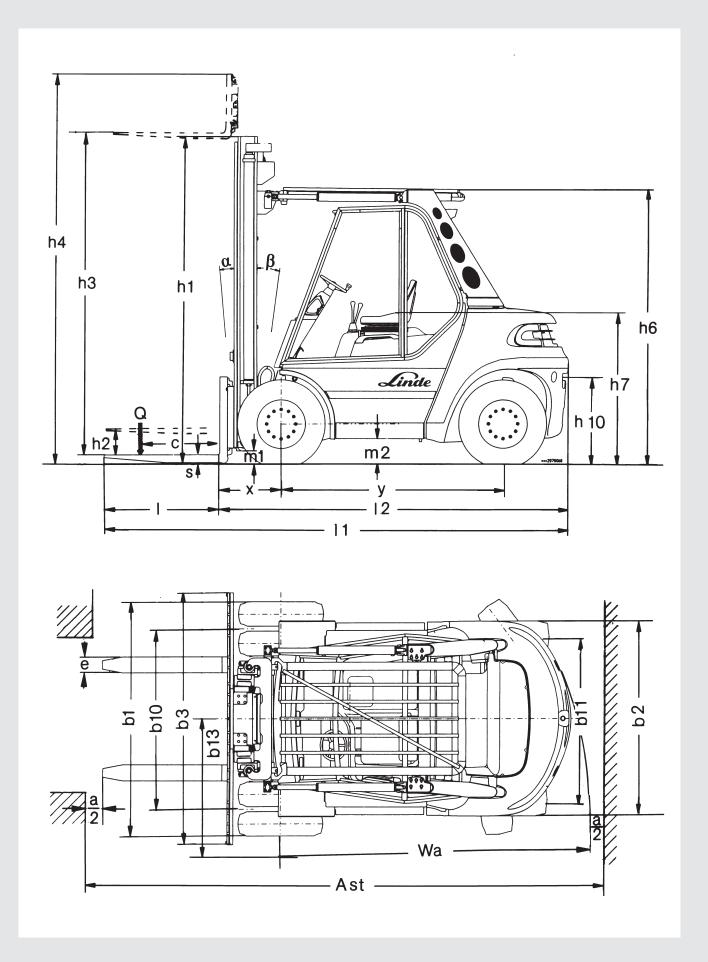
- → Industrial Deutz Diesel engine
- → High torque, 348 lbf at 1600 rpm
- → Electronic engine management
- → Low emissions, exceeding Tier 3 requirements

#### Linde torsion distribution system

- $\rightarrow$  Reduction of mast distortion up to 30%
- → High residual capacity
- → Overhead tilt cylinders







# Technical data

### April 2008

ДРП	11 2000			
Characteristics	1.1	Manufacturer		Linde
	1.2	Model designation		H60D
	1.3	Power unit: battery, diesel, gasoline, LP gas		Diesel
	1.4	Operation: manual, pedestrian, rider standing, rider seated, order picker		Seated
	1.5	Load capacity	Q lb	13000
	1.6	Load center (axle center to fork face)	c in	24
	1.8	Load distance (front overhang)	x in	24.8
	1.9	Wheelbase	y in	85
)t	2.1	Service weight	Ib	22444
Weight	2.2	Axle loading with load, front/rear	Ib	31338 / 4334
Š	2.3	Axle loading without load, front/rear	lb	10577 / 11867
Se	3.1	Tire type - front/rear: C (cushion), SE (cushion super elastic), P (pneumatic)		SE
Wheels & Tires	3.2	Tire size: front	in	355 / 65-15 <sup>1)</sup>
s &	3.3	Tire size: rear	in	300-15 <sup>1)</sup>
eel	3.5	Wheels: number front (x = driven)/rear		2 x / 2
Wh	3.6	Track width, front/rear	b10 in	62.75 <sup>2)</sup> / 61
	4.1	Mast/fork carriage tilt: forward/ backward (simplex mast)	degrees	5° /9°
	4.2	Height of mast lowered	h1 in	See mast table
	4.3	Free lift	h2 in	See mast table
	4.4	Lift	h3 in	See mast table
	4.5	Height of mast extended	h4 in	See mast table
	4.7	Height of overhead guard/cab	h6 in	108.11
	4.8	Height of seat	h7 in	59.21
	4.12	Height of tow coupling	h10 in	33.34
Dimensions	4.19	Overall length	l1 in	182.63
nsi	4.20	Length to fork face	l2 in	135.4
me	4.21	Overall width	b1 in	74.5
Di	4.22	Fork dimensions	s/e/l in	2.5 / 48 / 6
	4.23	Fork carriage	3/ 6/1111	4
	4.24	Width of fork carriage	b3 in	70.9
	4.31	Ground clearance under mast, with load	m1 in	7.9
	4.32	Ground clearance, center of wheelbase	m2 in	9.72
	4.34	Aisle width (48" long load)	Ast in	201.1
	4.35	Outer turning radius	Wain	120.5
	4.36	Inner turning radius	b13 in	38.4
	5.1	Travel speed, with/without load	mph	13.7 / 13.7
	5.2	Lifting speed, with/without load	fpm	112 / 114
nce	5.3	Lowering speed, with/without load	fpm	110 / 104
Performano	5.5	Drawbar pull, with/without load	Ib	8444 / 8202
rfor	5.7	Gradeability, with/without load	%	22 / 31
Pe	5.9	Acceleration time to max. speed, with/without load	S	5.1 / 4.6
	5.10	Service brake	3	Hydrostatic
4)	7.1	Engine manufacturer/type		Deutz TCD 2012 LO4-2V
Jine	7.1	Engine output to ISO 1585	hp	116.6
IC - Engine	7.3	Rated speed	rpm	2200
	7.3	Number of cylinders/engine displacement	cu in	4 / 244
	8.1	Drive control	CUIII	Hydrostatic
	8.2	Working pressure for attachments	psi	3843
Other	8.3	Oil flow for attachments	gal/min	18.5
	8.4	Maximum noise level at driver's ear (to EN 12053)	dBa	76
	0.4	Mayillialli lloise level at alliver 3 car (to Fix 15033)	UDd	70

 $<sup>^{\</sup>scriptscriptstyle 1}$  Other tires optional  $^{\scriptscriptstyle 2}$  68.8 with twin tires

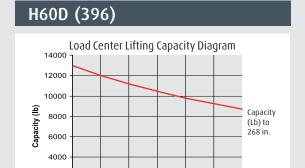
Linde	Linde	Linde	Linde	
H70D	H80D	H80D-900	H80D-1100	
Diesel	Diesel	Diesel	Diesel	
Seated	Seated	Seated	Seated	
15000	17500	17500	17500	
24	24	36	43	
25.2	25.2	26.4	26.4	
85	85	98.8	110.6	
25201	27063	30966	32685	
35553 / 5079	39052 / 5648	43545 / 5057	45225 / 5097	
11263 / 13937	11289 / 15774	14876 / 16089	16479 / 16208	
SE	SE	SE	SE	
8.25-15 <sup>1)</sup>	8.25-15 <sup>1)</sup>	8.25-15 <sup>1)</sup>	315 / 70-15 <sup>1)</sup>	
300-15 <sup>1)</sup>	300-151)	300-15 <sup>1)</sup>	300-15 <sup>1)</sup>	
4 x / 2	4 x / 2	4 x / 2	4 x / 2	
68.81 / 61	68.81 / 61	68.81 / 61	69.0 / 61	
5° /9°	5°/9°	5° /9°	5° /9°	
See mast table	See mast table	See mast table	See mast table	
See mast table	See mast table	See mast table	See mast table	
See mast table	See mast table	See mast table	See mast table	
See mast table	See mast table	See mast table	See mast table	
108.11	108.11	108.11	108.11	
59.21	59.21	59.21	59.21	
33.34	33.34	33.34	33.34	
183	183	221.6	233.4	
135.75	135.8	150.75	162.5	
87.8	87.8	87.8	90.5	
2.75 / 48 / 6	2.75 / 48 / 8	2.75 / 72 / 8	2.75 / 84 / 8	
4	4	4	4	
85.8	85.8	85.8	85.8	
7.9	7.9	7.9	7.9	
9.72	9.72	9.72	9.72	
201.5	201.6	213.95	225.4	
120.5	120.5	131.7	143.1	
38.4	38.4	38.4	38.4	
13.7 / 13.7	13.7 / 13.7	13.7 / 13.7	13.7 / 13.7	
90/106	90.5 / 106.3	90.5 / 106.3	90.5 / 106.3	
110 / 104	110 / 104.3	110 / 104.3	110 / 104.3	
10109 / 8837	10109 / 8725	11290 / 11290	12262 / 12262	
23/29	20 / 27	21 / 32	23 / 34	
5.6 / 5	6.1 / 5.2	6.1 / 5.2	6.5 / 5.6	
	ostatic	Hydrostatic		
	2012 LO4-2V	Deutz TCD 2012 LO4-2V		
116.6	116.6	116.6	116.6	
2200	2200	2200	2200	
4 / 244	4 / 244	4 / 244	4 / 244	
	ostatic	Hydrostatic		
3843	3843	3843	3843	
18.5	18.5	18.5	18.5	
76	76	76	76	

# **Downrating Charts**Reference SE tires, standard carriage

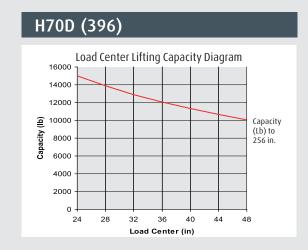
Class IV forks

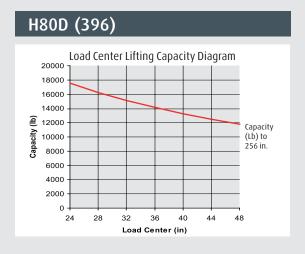
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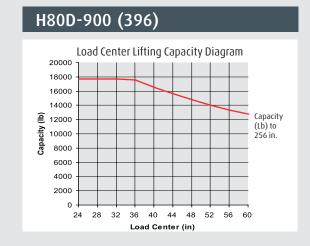
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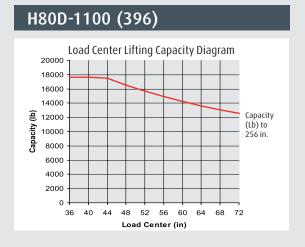


36 Load Center (in)









## **Mast Information**

h1 (in.)	h3 (in.)	Туре	Capacity (lb.)	Tilt (°F/°B)
H60D	Capacity (lb) @ 24" load cen	ter • 2.5" x 6" x 48" Std tape	er Class IV forks** • Single SE	355/65 - 15 drive tires**
107.5	140.0	Simplex	13000	5/9
119.5	163.5	Simplex	13000	5/9
127.5	179.5	Simplex	13000	5/9
141.0	207.0	Simplex	13000	5/9
157.0	238.5	Simplex	13000	5/9
H70D	Capacity (lb) @ 24" load cen	ter • 2.75" x 8" x 48" Std ta <sub>l</sub>	per Class IV forks** • Dual SE	8.25 - 15 drive tires**
107.5	124.0	Simplex	15000	5/9
119.5	148.0	Simplex	15000	5/9
127.5	163.5	Simplex	15000	5/9
141.0	191.0	Simplex	15000	5/9
157.0	222.5	Simplex	15000	5/9
H80D	Capacity (lb) @ 24" load cen	ter • 2.75" x 6" x 48" Std ta <sub>l</sub>	per Class IV forks** • Dual SE	8.25 - 15 drive tires**
107.5	124.0	Simplex	17500	5/9
119.5	148.0	Simplex	17500	5/9
127.5	163.5	Simplex	17500	5/9
141.0	191.0	Simplex	17500	5/9
157.0	222.5	Simplex	17500	5/9
H80D-900	Capacity (lb) @ 36" load cen	ter • 2.75" x 8" x 72" Std ta <sub>l</sub>	per Class IV forks** • Dual SE	8.25 - 15 drive tires**
107.5	108.5	Simplex	17500	5/9
119.5	132.0	Simplex	17500	5/9
127.5	148.0	Simplex	17500	5/9
141.0	175.5	Simplex	17500	5/9
H80D-1100	Capacity (lb) @ 43" load cen	ter • 2.75" x 8" x 84" Std ta <sub>l</sub>	per Class IV forks** • Dual SE	315/70 - 15 drive tires**
107.5	108.5	Simplex	17500	5/9
119.5	132.0	Simplex	17500	5/9
127.5	148.0	Simplex	17500	5/9
141.0	175.5	Simplex	17500	5/9

<sup>\*\*</sup> Capacity ratings can be affected by changing forks, load center, and/or tires.