



LPG Forklift Trucks
13,000 to 17,500 lbs. Capacity
H60T, H70T, H80T, H80T-900, and H80T-1100
SERIES 396-02

Safety

With full loads weighing as much as 17500 lbs. at 43" load center and full capacity 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, swinging loads generating high dynamic forces.

Performance

These trucks are 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.

Linde Material Handling



Reliability & Durability

50 years of experience with hydrostatic drive systems are combined with a robust, industrial LP gas 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

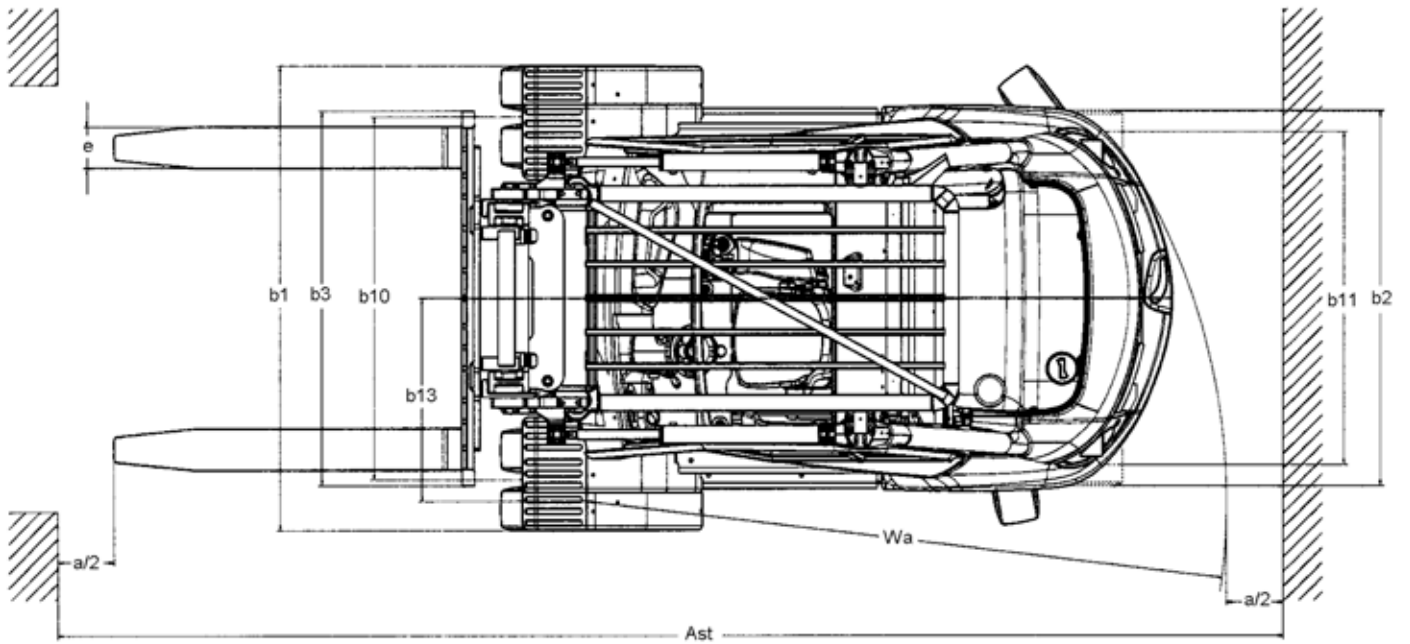
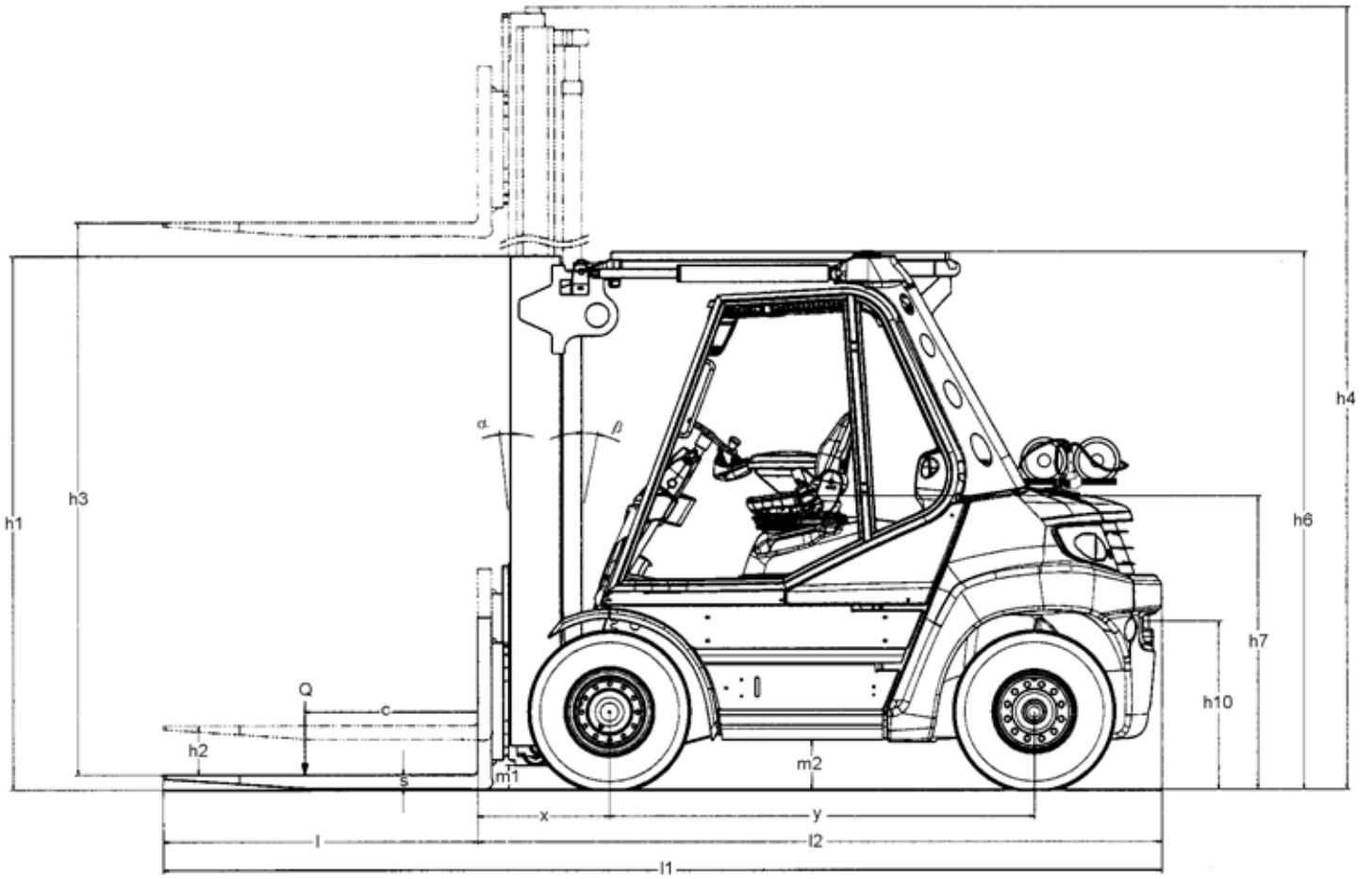
Standard equipment:

Industrial V6 LP gas engine, 3.6 liter (220 cubic inch) with
96.5 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 sidershifters and fork positioners
Complete cabs
Heating and cooling
Seat options
Lighting options
Various custom options and packages

Other options available on request



Technical data (preliminary)

February 2013

SERIES 396-02

Characteristics	1.1	Manufacturer		
	1.2	Model designation		
	1.3	Power unit: LP gas		
	1.4	Operation: rider seated		
	1.5	Load capacity		Q lb
	1.6	Load center		c in
	1.8	Load distance (axle center to fork face)		x in
	1.9	Wheelbase		y in
	Weight	2.1	Service weight	
2.2		Axle loading with load, front/rear		lb
2.3		Axle loading without load, front/rear		lb
Wheels & Tires	3.1	Tire type - front/rear: C (cushion), SE (cushion super elastic), P (pneumatic)		
	3.2	Tire size: front		in
	3.3	Tire size: rear		in
	3.5	Wheels: number front (x = driven)/rear		
	3.6	Track width, front/rear		b10 in
	Dimensions	4.1	Mast/fork carriage tilt: forward/ backward (simplex mast)	
4.2		Height of mast lowered		h1 in
4.3		Free lift		h2 in
4.4		Lift		h3 in
4.5		Height of mast extended		h4 in
4.7		Height of overhead guard/cab		h6 in
4.8		Height of seat		h7 in
4.12		Height of tow coupling		h10 in
4.19		Overall length		l1 in
4.20		Length to fork face		l2 in
4.21		Overall width		b1 in
4.22		Fork dimensions		s/e/l in
4.23		Fork carriage		
4.24		Width of fork carriage		b3 in
4.31		Ground clearance under mast, with load		m1 in
4.32		Ground clearance, center of wheelbase		m2 in
4.34	Aisle width (48" long load)		Ast in	
4.35	Outer turning radius		Wa in	
4.36	Inner turning radius		b13 in	
Performance	5.1	Travel speed, with/without load		mph
	5.2	Lifting speed, with/without load		fpm
	5.3	Lowering speed, with/without load		fpm
	5.5	Drawbar pull, with/without load		lbs
	5.7	Gradeability, with/without load		%
	5.9	Acceleration time to max. speed, with/without load		s
	5.10	Service brake		
IC - Engine	7.1	Engine manufacturer/model		
	7.2	Engine output to ISO 1585		hp
	7.3	Rated speed		rpm
	7.4	Number of cylinders/engine displacement		cu in
Other	8.1	Drive control		
	8.2	Working pressure for attachments		psi
	8.3	Oil flow for attachments		gal/min
	8.4	Maximum noise level at driver's ear (to EN 12053)		dBa

¹ Other tires optional

² 68.8 with twin tires

³ Less with triplex mast, check factory

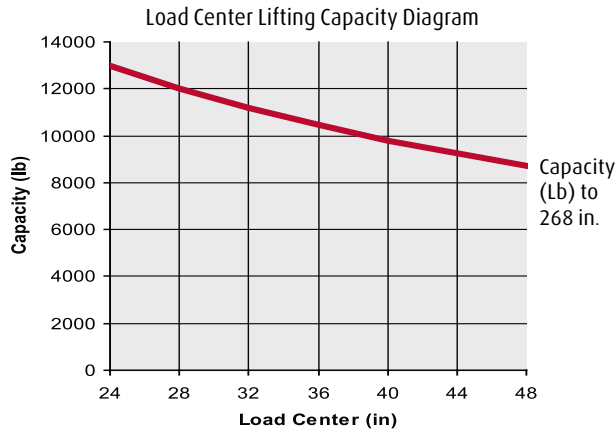
Series 396-02 (H60T, H70T, H80T, H80T-900, and H80T-1100)

	Linde	Linde	Linde	Linde	Linde	1.1
	H60T	H70T	H80T	H80T-900	H80T-1100	1.2
	LP gas	LP gas	LP gas	LP gas	LP gas	1.3
	Seated	Seated	Seated	Seated	Seated	1.4
	13000	15000	17500	17500	17500	1.5
	24	24	24	36	43	1.6
	24.8	25.2	25.2	26.4	26.4	1.8
	85	85	85	98.8	110.6	1.9
	22928	25838	27602	31019	32893	2.1
	31386 / 4494	35381 / 5403	39353 / 5691	43425 / 5029	45174 / 5150	2.2
	10891 / 12037	11563 / 14275	11772 / 15830	14947 / 16072	16623 / 16270	2.3
	SE	SE	SE	SE	SE	3.1
	355 / 65-15 ¹⁾	8.25-15 ¹⁾	8.25-15 ¹⁾	8.25-15 ¹⁾	315 / 70-15 ¹⁾	3.2
	315/70-15 ¹⁾	315/70-15 ¹⁾	315/70-15 ¹⁾	315/70-15 ¹⁾	315/70-15 ¹⁾	3.3
	2 x / 2	4 x / 2	4 x / 2	4 x / 2	4 x / 2	3.5
	62.75 ²⁾ / 63	68.81 / 63	68.81 / 63	68.81 / 63	69.0 / 63	3.6
	5° / 9°	5° / 9°	5° / 9°	5° / 9°	5° / 9°	4.1
	See mast table	See mast table	See mast table	See mast table	See mast table	4.2
	See mast table	See mast table	See mast table	See mast table	See mast table	4.3
	See mast table	See mast table	See mast table	See mast table	See mast table	4.4
	See mast table	See mast table	See mast table	See mast table	See mast table	4.5
	108.11	108.11	108.11	108.11	108.11	4.7
	59.17	59.17	59.17	59.17	59.17	4.8
	33.34	33.34	33.34	33.34	33.34	4.12
	182.63	183	183	222.8	246.6	4.19
	135.4	135.8	135.8	150.8	162.5	4.20
	74.5	87.8	87.8	87.8	90.5	4.21
	2.5 / 48 / 6	2.75 / 48 / 6	2.75 / 48 / 8	2.75 / 72 / 8	2.75 / 84 / 8	4.22
	4	4	4	4	4	4.23
	71	86	86	86	86	4.24
	8	8	8	8	8	4.31
	9.72	9.72	9.72	9.72	9.72	4.32
	201.1	201.5	201.6	213.95	225.4	4.34
	120.5	120.5	120.5	131.7	143.1	4.35
	38.4	38.4	38.4	38.4	38.4	4.36
	12.4	12.4	11.8	11.8	10.6	5.1
	112 / 114	90 / 106	90.5 / 106.3	90.5 / 106.3	90.5 / 106.3	5.2
	110 / 104	110 / 104	110 / 104.3	110 / 104.3	110 / 104.3	5.3
	8542 / 7868	11465 / 10341	10116 / 9217	11290 / 11290	12262 / 12262	5.5
	24 / 34	24 / 33	24 / 33	21 / 32	21 / 32	5.7
	6.0 / 5.3	6.7 / 5.8	7.2 / 6.1	7.3 / 6.2	7.8 / 6.7	5.9
	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	5.10
	VW 3.6 / VR 6	VW 3.6 / VR 6	VW 3.6 / VR 6	VW 3.6 / VR 6	VW 3.6 / VR 6	7.1
	96.5	96.5	96.5	96.5	96.5	7.2
	2500	2500	2500	2500	2500	7.3
	6 / 220	6 / 220	6 / 220	6 / 220	6 / 220	7.4
	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	8.1
	3843	3843	3843	3843	3843	8.2
	25 ³⁾	25 ³⁾	25 ³⁾	25 ³⁾	25 ³⁾	8.3
	76	76	76	76	76	8.4

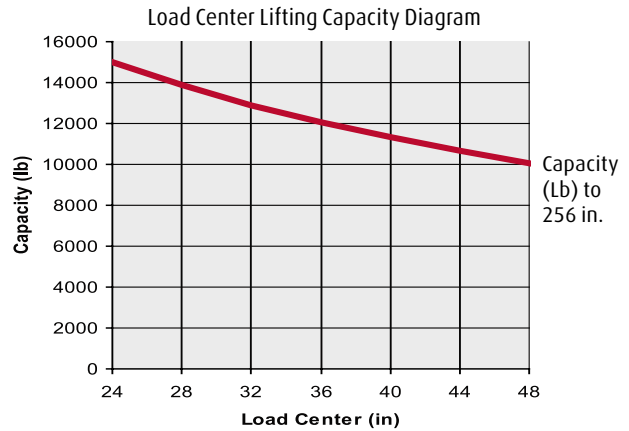
Downrating charts*

Reference SE tires, standard carriage
Class IV forks

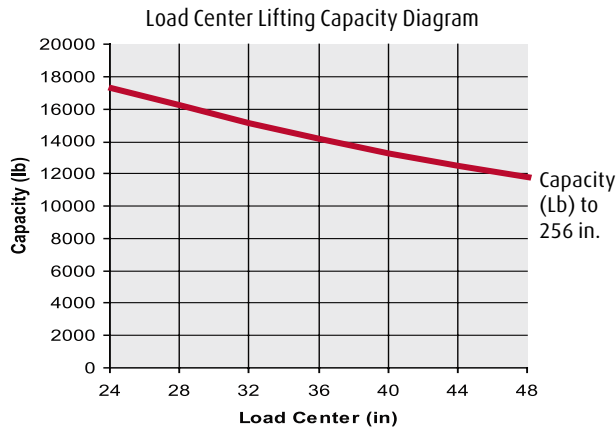
H60T (396-02)



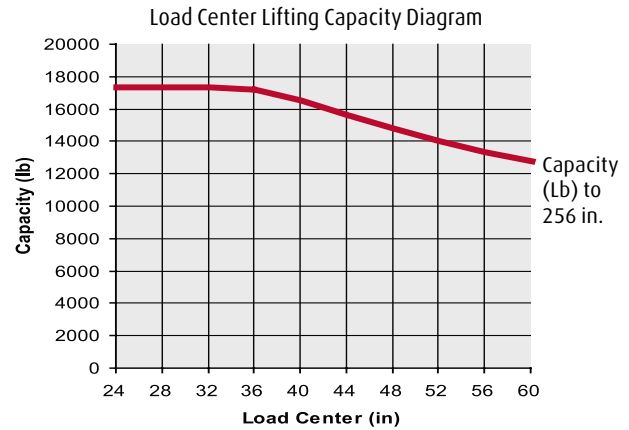
H70T (396-02)



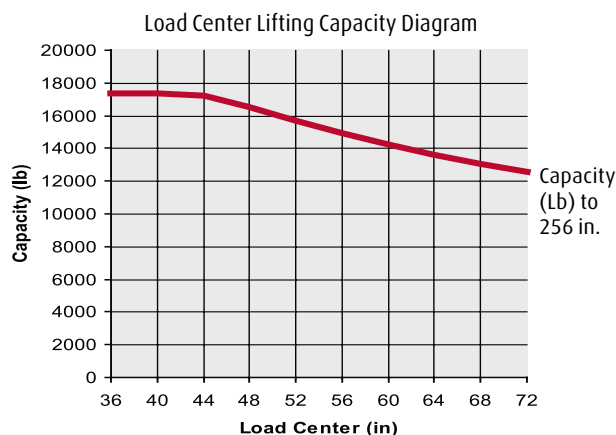
H80T (396-02)



H80T-900 (396-02)



H80T-1100 (396-02)



Capacity and mast information*

h1 (in.)	h3 (in.)	Type	Capacity (lb.)	Tilt (°F/°B)
H60T Capacity (lb) @ 24" load center** · 2.5" x 6" x 48" Std taper 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
H70T Capacity (lb) @ 24" load center** · 2.75" x 8" x 48" Std taper 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
H80T Capacity (lb) @ 24" load center** · 2.75" x 6" x 48" Std taper 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
H80T-900 Capacity (lb) @ 36" load center** · 2.75" x 8" x 72" Std taper 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
H80T-1100 Capacity (lb) @ 43" load center** · 2.75" x 8" x 84" Std taper 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

* For quick reference only, contact factory for detailed ratings.

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

Features

Linde hydrostatic drive system

- Responsive, smooth, precise
- No mechanical wear components
- Robust, well proven in severe applications
- Low maintenance cost
- Long service life



Linde clear-view mast

- Superior visibility
- Full capacity to 256"/268"
- Unmatched residual capacity with attachments

Linde twin pedal travel control

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

Linde Load Control (LLC)

- 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
- Fully sealed electronic controller



Linde operator compartment

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

Power plant

- Industrial VW LP gas engine
- High torque, 348 lbf at 1600 rpm
- Electronic engine management
- Low emissions
- Dual swing-down LP gas bottles (33 or 44 lbs.)

Linde torsion distribution system

- Reduction of mast distortion up to 30%
- High residual capacity
- Overhead tilt cylinders

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ANSI: Standard truck meets all applicable mandatory requirements of ANSI/ITSDF B56.1 standards for powered industrial trucks.
NOTE: Performance data may vary due to motor and system efficiency tolerances. The performance depicted represents nominal values obtained under typical operating conditions. Metric dimensions are in millimeters unless otherwise specified.
All metric dimensions are not direct equivalents due to rounding data. The descriptions and specifications included on this data sheet were in effect at the time of printing. Linde Material Handling North America Corporation reserves the right to make improvements and changes in specification or design without incurring obligation. Please check with your authorized Linde dealer for information on possible updates or revisions.

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