



*some equipment shown (optional)

Diesel and LPG Forklift Trucks

8,000, 9,000, 10,000 and 11,000 lb. Capacity

H40D/T *EVO*, H45D/T *EVO*, H50D/T *EVO*, and
H50D/T 600 *EVO*,

SERIES 394-02

Linde Material Handling



Safety

This truck features the exclusive Linde ProtectorFrame overhead guard and frame system that offers unparalleled protection for the driver. The top mounted tilt cylinders allow for a mast design which maximizes all-around visibility, while optimizing truck stability.

Performance

Advanced engine and drive technology combined with the original Linde Load Control system enable the operator to utilize the truck's vast potential for greatest possible productivity. The exclusive Linde dual pedal travel control allows smooth directional changes and precise maneuvering, even in the tightest areas.

Comfort

A comfortable operator is a productive and safe operator. That's why the 394-02 series is designed to the latest ergonomic standards. A multitude of features such as the armrest, full suspension seat, ample foot room, and an adjustable steering column, are all part of a comprehensive effort to keep the operator comfortable and secure.

Low Maintenance & Outstanding Durability

Exclusive features like Linde hydrostatic drive, neoprene mounting of axles, and mast & tilt cylinders, all contribute extensively to low maintenance. The longest maintenance intervals in the industry are just one result of applied know-how and engineering. Even in the harshest applications this truck series offers a proven combination of reliability and durability resulting in long service life.

Standard and optional equipment

Standard equipment:

Linde dual pedal travel control

Linde Load Control (LLC)

High comfort, fully adjustable suspension seat

Tilt/telescopic steering column

Low effort power steering

Linde operator protector frame

High-performance hydraulic filters

3-way regulated catalytic converter (LPG engine)

Load backrest (LBR)

Comprehensive, anti-glare display

Overhead tilt cylinders

Headlights

Zero maintenance mast and tilt cylinder mounting

3-function hydraulic control valve with "finger-tip control" handles and armrest with storage compartment.

Ultra sonic fuel level indicator (LP)

Linde engine protection system (LEPS)

Options:

Single pedal travel control

Simple, dual and triple masts and carriages

Hang-on sideshifter

Various special fork sizes

Integrated sideshifter

Additional hydraulic functions

Tilt memory

Variety of operator cabs

Cab heater, defroster

Air conditioning

Cab/overhead guard protection kits

Additional lighting (LED, etc.)

BU alarm

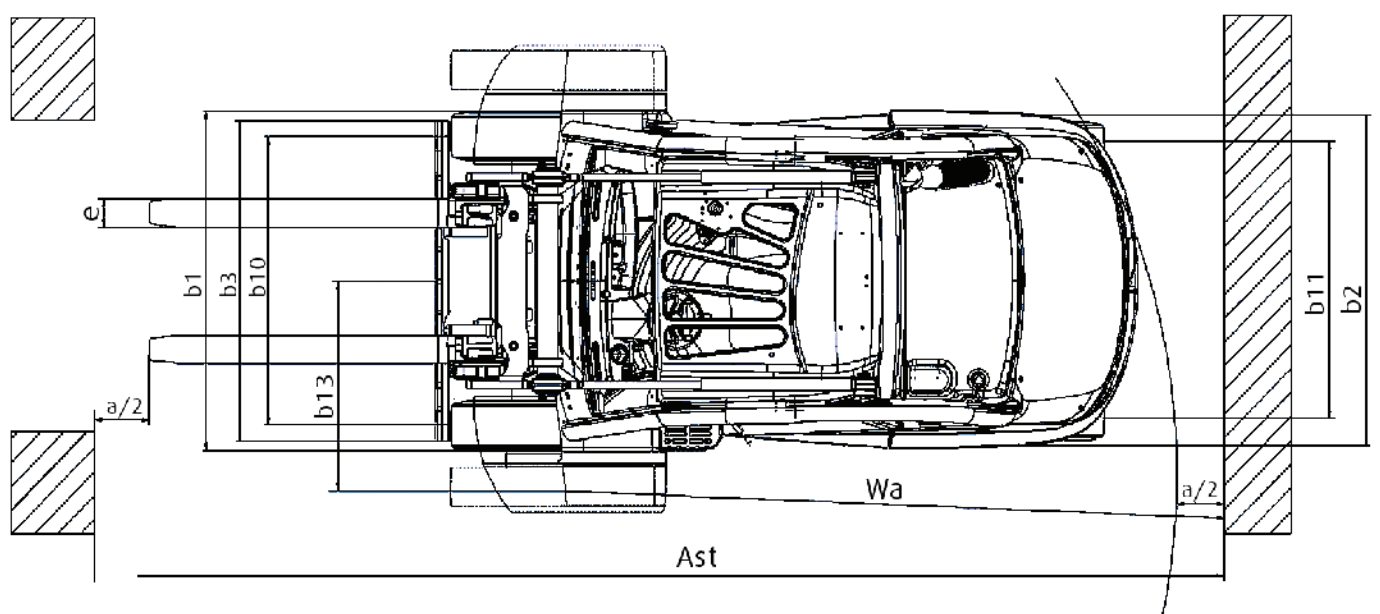
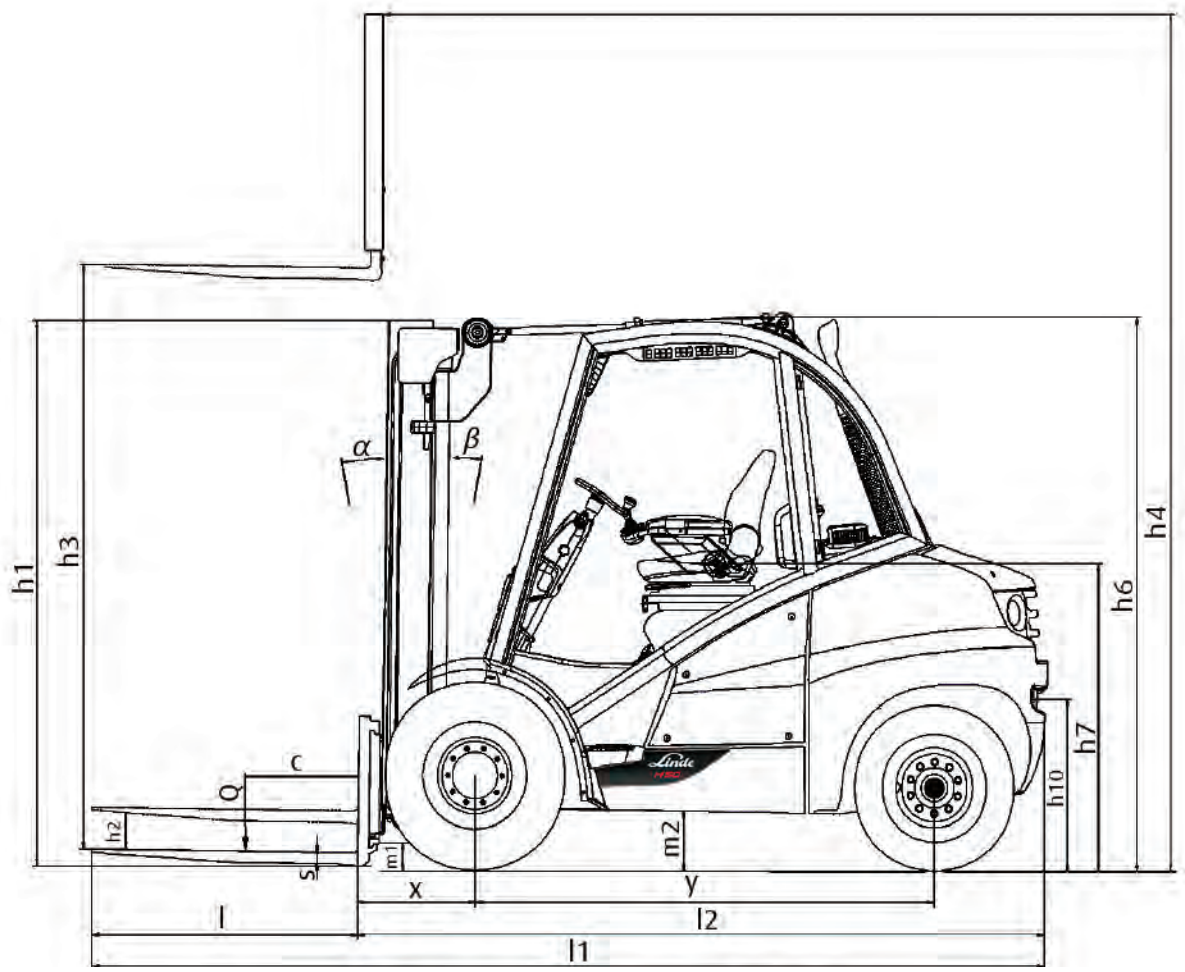
Mirrors

Special packages; recycling, foundry, etc

Tire options; twin, radial, pneumatic

Reduced speed settings

Other options available on request



Technical Data

December 2012

SERIES 394-02 (H40 D/T)

			Linde		
Characteristics	1.1	Manufacturer	Linde		
	1.2	Model designation	H40D	H40T	
	1.3	Power unit: diesel	Diesel	LP	
	1.4	Operation: rider seated	Rider seated		
	1.5	Load capacity	Q (lb)	8000	8000
	1.6	Load center	c (in)	24	24
	1.8	Load distance (center of drive axle to fork face)	x (in)	19.02	19.02
	1.9	Wheelbase	y (in)	78.7	78.7
	Weight	2.1	Service weight	(lb)	12665
2.2		Axle loading with load, front/rear	(lb)	18197 / 2468	18197 / 2468
2.3		Axle loading without load, front/rear	(lb)	5820 / 6845	5820 / 6845
Wheels & Tires	3.1	Tire type - front/rear: SE (solid pneumatic)	SE ¹		
	3.2	Tire size: front	(in)	250-15	
	3.3	Tire size: rear	(in)	250-15	
	3.5	Wheels: number front/rear (x = driven)	2 x / 2		
	3.6	Track width, front	b10 (in)	48.07 ²	48.07 ²
	3.7	Track width, rear	b11 (in)	44.17	44.17
	Dimensions	4.1	Mast/fork carriage tilt: forward/back	a/b (°)	5.0 / 9.0
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 (includes LBR)	h4 (in)	h3 + 48"	
4.7		Height of overhead guard/cab	h6 (in)	93.82 ³	93.82 ³
4.8		Height of seat	h7 (in)	48.3	48.3
4.12		Height of tow coupling	h10 (in)	27.7	27.7
4.19		Overall length with 42" forks	l1 (in)	159.48	159.48
4.20		Length to fork face	l2 (in)	117.48 ⁴	117.48 ⁴
4.21		Overall width, front/rear	b1/b2 (in)	56.93 ⁵ / 56.02	56.93 ⁵ / 56.02
4.22		Fork dimensions	s/e/l (in)	2 / 42 / 5	2 / 42 / 5
4.23		Fork carriage: class		Class 3	Class 3
4.24		Width of fork carriage	b3 (in)	53.1	53.1
4.31		Ground clearance under mast, with load	m1 (in)	6.2	6.2
4.32		Ground clearance, center of wheelbase	m2 (in)	7.9	7.9
4.33		Aisle width with 48" load	Ast (in)	179.33 ⁶	179.33 ⁶
4.34	Aisle width, with other load lengths	Ast (in)	123.43 ⁸	123.43 ⁸	
4.35	Outer turning radius	Wa (in)	105.2	105.2	
Performance	5.1	Travel speed, with/without load	(mph)	13 / 13	13 / 13
	5.2	Lifting speed, with/without load	(fpm)	104.3 / 110	104.3 / 110
	5.3	Lowering speed, with/without load	(fpm)	112 / 102	112 / 102
	5.6	Max. tractive force, with/without load	(lbf)	6416 / 4624	6416 / 4756
	5.8	Max. climbing ability, with/without load	(%)	29 / 34	28 / 33
	5.9	Acceleration, with/without load	(sec)	5.7 / 4.8 ⁷	5.6 / 4.8 ⁷
	5.10	Service brake		Hydrostatic	
Engine	7.1	Engine manufacturer/type		VW-CBJ.B	VW / BMF
	7.2	Engine rating	(hp)	73	73
	7.3	Rated speed	(rpm)	2800	2800
	7.4	Number of cylinders/Engine displacement	(cu inches)	4 / 121	6 / 194
Other	8.1	Traction control		Hydrostatic	
	8.2	Working pressure for attachments	(psi)	2465	2465
	8.3	Oil flow attachments	(gpm)	12.7	12.7
	8.4	Noise level at driver's ear	(dB)	78	77

Footnotes

¹ Optional tires available

² 59.02 with twin tires

³ Add 2" with top wiper

⁴ Add fork or load length

⁵ Add 21.93" for twin front tires

⁶ Including 48" load or forks, and 8" operational clearance

⁷ 0 mph to maximum speed

⁸ Add load length, add operational clearance

SERIES 394-02 (H45 D/T, H50 D/T, H50 D/T-600)

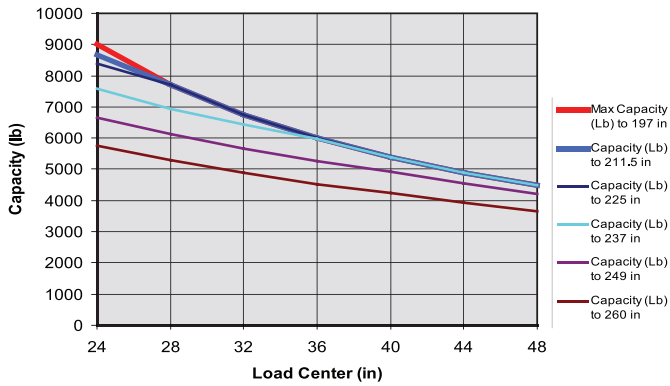
Linde		Linde		Linde		1.1
H45D	H45T	H50D	H50T	H50D 600	H50T 600	1.2
Diesel	LP	Diesel	LP	Diesel	LP	1.3
Rider seated		Rider seated		Rider seated		1.4
9000	9000	10000	10000	11000	11000	1.5
24	24	24	24	24	24	1.6
20.67	20.67	21.06	21.06	21.10	21.10	1.8
80.2	80.2	81.8	81.8	81.9	81.9	1.9
13977	13977	14506	14506	15283	15690	2.1
20168 / 2809	20168 / 2809	21862 / 2645	21862 / 2645	23364 / 2919	21862 / 2645	2.2
6155 / 7822	6155 / 7822	6349 / 8157	6349 / 8157	6355 / 8927	6349 / 8157	2.3
SE ¹		SE ¹		SE ¹		3.1
300-15		300-15		300-15		3.2
250-15		250-15		250-15		3.3
2 x / 2		2 x / 2		2 x / 2		3.5
46.85 ²	46.85 ²	46.85 ²	46.85 ²	46.85 ²	46.85 ²	3.6
44.17	44.17	44.17	44.17	44.17	44.17	3.7
5.0 / 9.0	5.0 / 9.0	5.0 / 9.0	5.0 / 9.0	5.0 / 9.0	5.0 / 9.0	4.1
See mast table		See mast table		See mast table		4.2
See mast table		See mast table		See mast table		4.3
See mast table		See mast table		See mast table		4.4
h3 + 48"		h3 + 48"		h3 + 48"		4.5
95.12 ³	95.12 ³	95.12 ³	95.12 ³	95.12 ³	95.12 ³	4.7
49.8	49.8	49.8	49.8	49.8	49.8	4.8
28.6	28.6	28.6	28.6	28.6	28.6	4.12
162.71	162.71	164.68	164.68	167.80	167.80	4.19
120.71 ⁴	120.71 ⁴	122.68 ⁴	122.68 ⁴	125.80 ⁴	125.80 ⁴	4.20
57.01 ⁵ / 56.02	57.01 ⁵ / 56.02	57.01 ⁵ / 56.02	57.01 ⁵ / 56.02	57.01 ⁵ / 56.02	57.01 ⁵ / 56.02	4.21
2 / 42 / 5	2 / 42 / 5	2 / 42 / 6	2 / 42 / 6	2 / 42 / 6	2 / 42 / 6	4.22
Class 3	Class 3	Class 3	Class 3	Class 3	Class 3	4.23
53.1	53.1	53.1	53.1	53.1	53.1	4.24
8	8	8	8	8	8	4.31
9.3	9.3	9.3	9.3	9.3	9.3	4.32
182.4 ⁶	182.4 ⁶	184.25 ⁶	184.25 ⁶	188.20 ⁶	188.20 ⁶	4.33
127.28 ⁸	127.28 ⁸	129.13 ⁸	129.13 ⁸	140.20 ⁸	140.20 ⁸	4.34
106.61	106.61	108.07	108.07	111.20	111.20	4.35
14.9 / 14.9	14.9 / 14.9	14.9 / 14.9	14.9 / 14.9	14.9 / 14.9	14.9 / 14.9	5.1
104.3 / 110	104.3 / 110	104.3 / 110	104.3 / 110	96.0 / 100	96.0 / 100	5.2
112 / 102	112 / 102	110 / 98.5	110 / 98.5	110 / 98.0	110 / 98.5	5.3
5684 / 4910	5684 / 5024	5684 / 5030	5684 / 5179	5684 / 5097	5684 / 5179	5.6
22 / 32	22 / 32	21 / 32	20 / 32	20 / 30	20 / 30	5.8
6.0 / 5.2 ⁷	5.9 / 5.2 ⁷	6.2 / 5.5 ⁷	6.1 / 5.5 ⁷	6.2 / 5.5 ⁷	6.1 / 5.5 ⁷	5.9
Hydrostatic		Hydrostatic		Hydrostatic		5.10
VW-CBJ.B	VW / BMF	VW-CBJ.B	VW / BMF	VW-CBJ.B	VW / BMF	7.1
73	73	73	73	73	73	7.2
2800	2800	2800	2800	2800	2800	7.3
4 / 121	6 / 194	4 / 121	6 / 194	4 / 121	6 / 194	7.4
Hydrostatic		Hydrostatic		Hydrostatic		8.1
2465	2465	2465	2465	2465	2465	8.2
12.7	12.7	12.7	12.7	12.7	12.7	8.3
78	77	78	77	78	77	8.4

Downrating charts*

Reference SE tires with standard carriage and forks only.

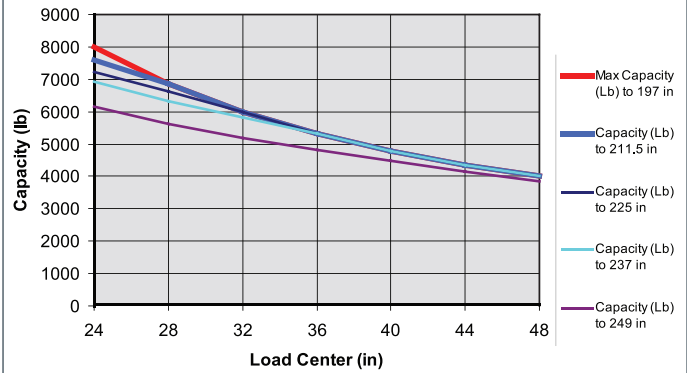
H45D/T (Triple Mast)

Extended Load Center Downrating Chart



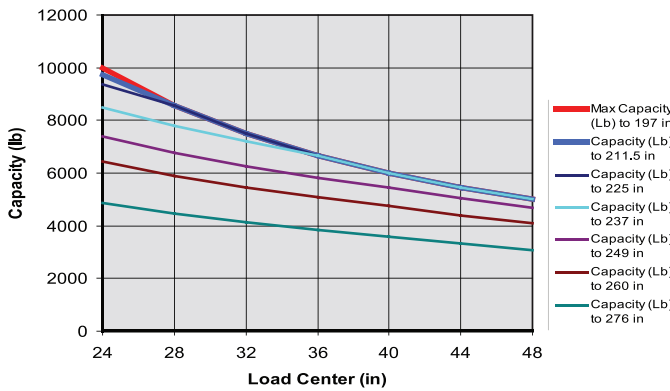
H40D/T (Triple Mast)

Extended Load Center Downrating Chart



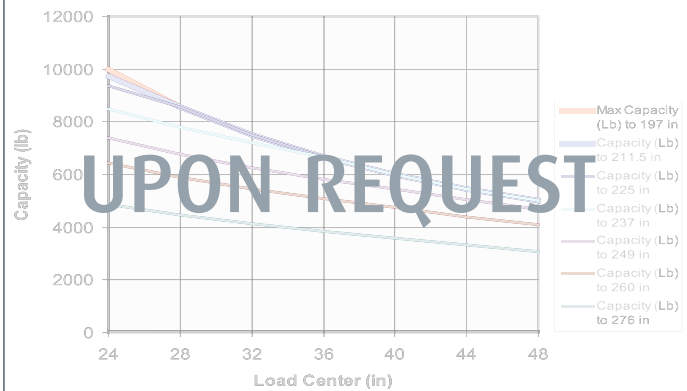
H50D/T (Triple Mast)

Extended Load Center Downrating Chart



H50D/T 600 (Triple Mast)

Extended Load Center Downrating Chart



Capacity*

394-02 H40D/T

2" x 5" x 42" Forks**
Single SE 250-15 Drive Tires**

Mast Increments

				Capacity (lb) @ 24" Load Center**		
h1	h3	h2		Std. Carriage*	Integral SS Carriage*	Hang-on SS Carriage*
95.5	126.0	0.0	Simple	8000	8000	7390
99.4	133.9	0.0	Simple	8000	8000	7390
105.4	145.7	0.0	Simple	8000	8000	7390
111.3	157.5	0.0	Simple	8000	8000	7390
95.5	127.5	65.5	Dual	8000	8000	7390
99.4	135.1	69.4	Dual	8000	8000	7390
105.4	146.9	75.3	Dual	8000	8000	7390
109.3	154.7	79.2	Dual	8000	8000	7390
91.6	178.2	61.6	Triple	8000	8000	7390
93.5	184.1	63.6	Triple	8000	8000	7390
95.5	187.6	65.4	Triple	8000	8000	7380
99.4	199.4	69.4	Triple	7880	7880	7220
103.4	211.3	73.4	Triple	7585	7585	6945

Mast Capacity Table

				Capacity (lb) @ 24" Load Center**		
h1	h3	h2		Std. Carriage*	Integral SS Carriage*	Hang-on SS Carriage*
97.5	126.0	0.0	Simple	9000	9000	8240
101.4	139.9	0.0	Simple	9000	9000	8340
107.4	145.7	0.0	Simple	9000	9000	8340
113.3	157.5	0.0	Simple	9000	9000	8340
97.5	127.2	61.4	Dual	9000	9000	8340
101.4	135.1	65.5	Dual	9000	9000	8340
107.4	146.9	71.3	Dual	9000	9000	8340
111.3	154.7	75.2	Dual	9000	9000	8340
93.6	178.2	57.5	Triple	9000	9000	8340
95.6	184.1	59.5	Triple	9000	9000	8340
97.5	187.6	61.4	Triple	9000	9000	8340
101.4	199.4	65.5	Triple	8920	8785	8205
105.4	211.3	69.3	Triple	8680	7905	7905

394-02 H45D/T

2" x 5" x 42" Forks**
Single SE 300-15 Drive Tires**

394-02 H50D/T

2" x 6" x 42" Forks**
Single SE 300-15 Drive Tires**

Mast Increments

				Capacity (lb) @ 24" Load Center**		
h1	h3	h2		Std. Carriage*	Integral SS Carriage*	Hang-on SS Carriage*
97.5	126.0	0.0	Simple	10000	10000	9295
101.5	134.0	0.0	Simple	10000	10000	9295
107.5	146.0	0.0	Simple	10000	10000	9295
113.5	157.5	0.0	Simple	10000	10000	9295
98.0	123.0	59.0	Dual	10000	10000	9295
101.5	135.5	65.0	Dual	10000	10000	9295
107.5	147.0	71.0	Dual	10000	10000	9295
111.5	155.0	75.0	Dual	10000	10000	9295
94.0	178.5	57.5	Triple	10000	10000	9295
96.0	184.5	59.5	Triple	10000	10000	9295
97.5	188.0	61.5	Triple	10000	10000	9295
101.5	199.5	65.5	Triple	10000	9245	9240
105.5	211.5	69.5	Triple	9725	8285	8285

Mast Capacity Table

				Capacity (lb) @ 24" Load Center**		
h1	h3	h2		Std. Carriage*	Integral SS Carriage*	Hang-on SS Carriage*
93.5	110.3	0	Simple	11000	11000	
101.4	126.0	0	Simple	11000	11000	
111.3	145.7	0	Simple	11000	11000	
93.5	166.3	53.5	Triple	11000	11000	
99.4	181.7	59.4	Triple	11000	10621	
105.3	199.4	65.4	Triple	10930	9136	
113.2	219.1	73.2	Triple	10200	7546	

394-02 H50D/T 600

2" x 6" x 42" Forks**
Single SE 300-15 Drive Tires**

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

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

Features

Original Linde hydrostatic drive

- Responsive, smooth and precise driving
- No differential, no service brakes, no mechanical transmission parts
- Low maintenance cost, long service life



Linde ProtectorFrame

- Safe and robust chassis
- Incorporated access areas
- Unparalleled operator protection

Linde dual travel control

- Quick directional changes
- Short pedal stroke
- Increased productivity
- Limited operator fatigue

Linde Load Control (LLC)

- Accurate, safe load handling
- Effortless control of all hydraulic functions
- Traction and hydraulics operate completely independent from each other

High-efficiency engine

- Low exhaust emissions
- Low fuel consumption
- Most up-to-date engine monitoring and operating technology
- 18.5 G capacity fuel tank (diesel)



Linde Truck Control (LTC)

- Highly reliable electronics
- Outstanding dependability due to dual monitoring systems
- Easily adjustable performance parameters

Operator compartment

- Designed to stringent ergonomic standards
- Spacious cab with generous leg room
- Outstanding all-around visibility

Linde clear-view mast

- Superb visibility
- Exceptional residual capacity
- Electronic limiting of tilt angle



For more information on Linde material handling equipment, please contact:

KION North America Corporation
2450 West 5th North Street, Summerville, SC 29483
Phone: (843) 875-8000 Truck Sales Fax: (843) 875-8471
E-mail: trucksales.na@kiongroup.com
www.kion-na.com

ANSI standard 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 notice and without incurring obligation. Please check with your authorized Linde dealer for information on possible updates or revisions.

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