

# 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

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ANSI: Standard truck meets all applicable mandatory requirements of ANSI/TSD 56.1 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.

linde\_spec\_394-02\_EVO (1212)  
 USA\_V12.4 (031813)



**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

\*some equipment shown (optional)

## 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.

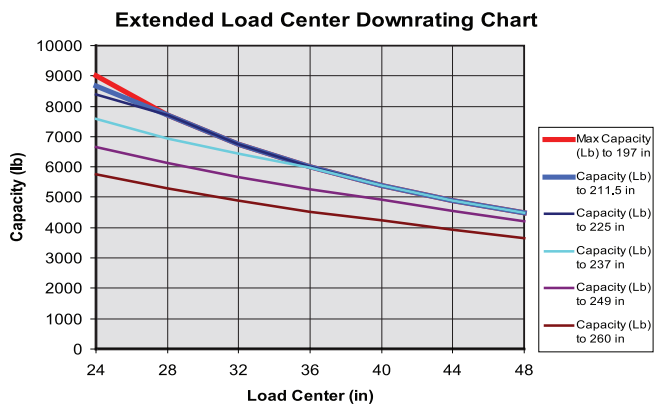




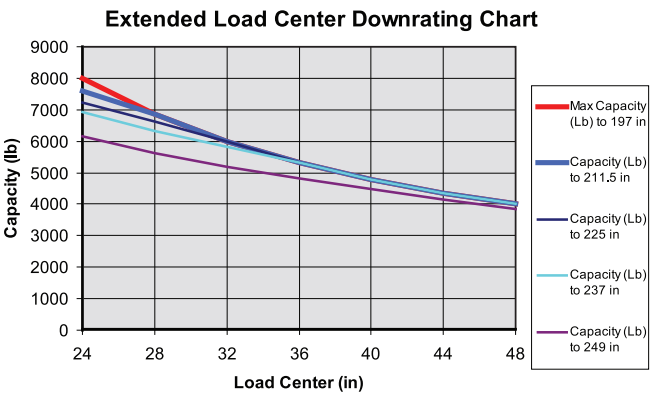
# Downrating charts\*

Reference SE tires with standard carriage and forks only.

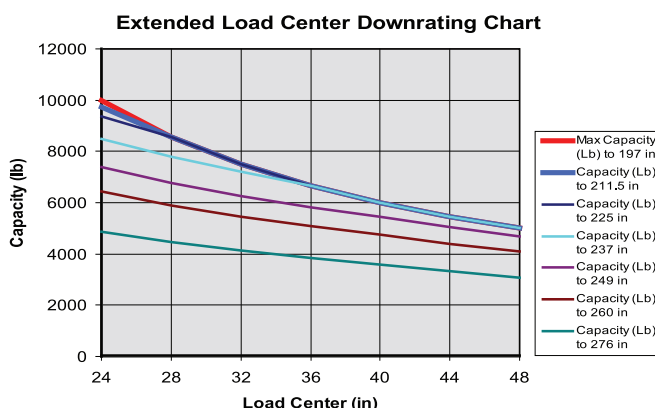
### H45D/T (Triple Mast)



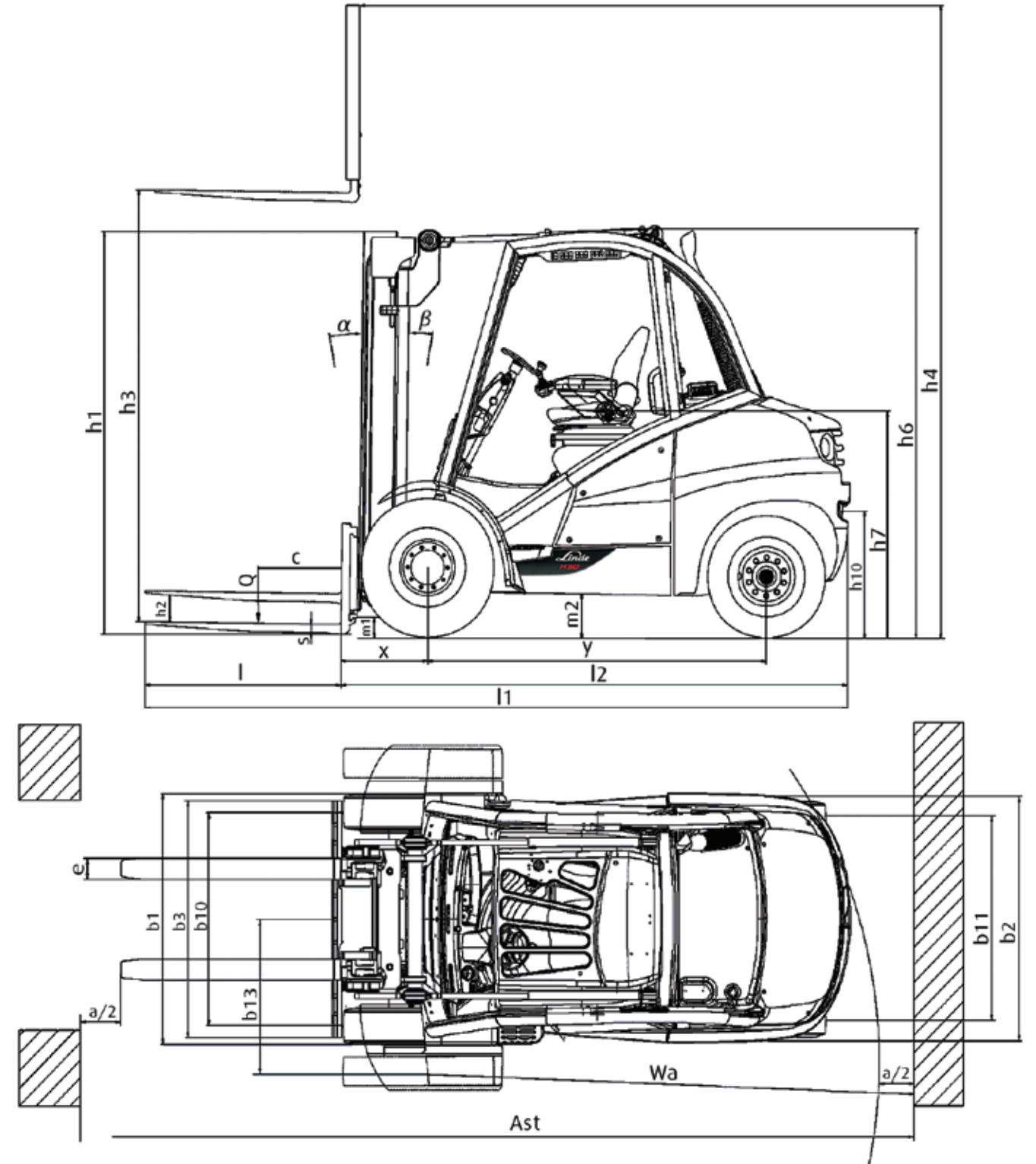
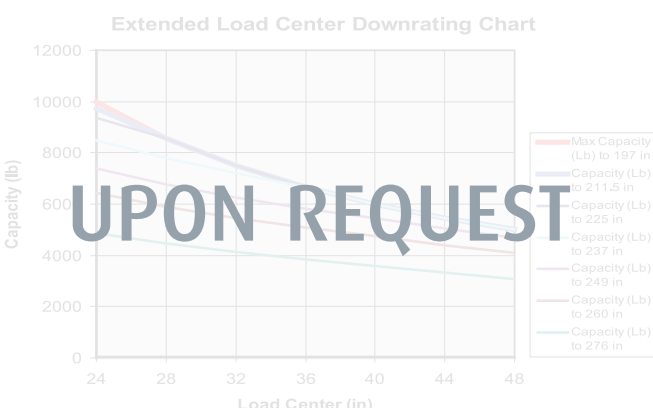
### H40D/T (Triple Mast)



### H50D/T (Triple Mast)



### H50D/T 600 (Triple Mast)



# Technical Data

December 2012

## SERIES 394-02 (H40 D/T)

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

		Linde		Linde		Linde		Linde				
		H40D	H40T	H45D	H45T	H50D	H50T	H50D 600	H50T 600			
Characteristics	1.1	Manufacturer	Linde		Linde		Linde		Linde		1.1	
	1.2	Model designation	H40D	H40T	H45D	H45T	H50D	H50T	H50D 600	H50T 600	1.2	
	1.3	Power unit: diesel	Diesel	LP	Diesel	LP	Diesel	LP	Diesel	LP	1.3	
	1.4	Operation: rider seated	Rider seated		Rider seated		Rider seated		Rider seated		1.4	
	1.5	Load capacity	Q (lb)	8000	8000	9000	9000	10000	10000	11000	11000	1.5
	1.6	Load center	c (in)	24	24	24	24	24	24	24	24	1.6
	1.8	Load distance (center of drive axle to fork face)	x (in)	19.02	19.02	20.67	20.67	21.06	21.06	21.10	21.10	1.8
	1.9	Wheelbase	y (in)	78.7	78.7	80.2	80.2	81.8	81.8	81.9	81.9	1.9
	Weight	2.1	Service weight	(lb)	12665	12665	13977	13977	14506	14506	15283	15690
2.2		Axle loading with load, front/rear	(lb)	18197 / 2468	18197 / 2468	20168 / 2809	20168 / 2809	21862 / 2645	21862 / 2645	23364 / 2919	21862 / 2645	2.2
2.3		Axle loading without load, front/rear	(lb)	5820 / 6845	5820 / 6845	6155 / 7822	6155 / 7822	6349 / 8157	6349 / 8157	6355 / 8927	6349 / 8157	2.3
Wheels & Tires	3.1	Tire type - front/rear: SE (solid pneumatic)	SE <sup>1</sup>		SE <sup>1</sup>		SE <sup>1</sup>		SE <sup>1</sup>		3.1	
	3.2	Tire size: front	(in)	250-15		300-15		300-15		300-15	3.2	
	3.3	Tire size: rear	(in)	250-15		250-15		250-15		250-15	3.3	
	3.5	Wheels: number front/rear (x = driven)		2 x / 2		2 x / 2		2 x / 2		2 x / 2	3.5	
	3.6	Track width, front	b10 (in)	48.07 <sup>2</sup>	48.07 <sup>2</sup>	46.85 <sup>2</sup>	46.85 <sup>2</sup>	46.85 <sup>2</sup>	46.85 <sup>2</sup>	46.85 <sup>2</sup>	46.85 <sup>2</sup>	3.6
	3.7	Track width, rear	b11 (in)	44.17	44.17	44.17	44.17	44.17	44.17	44.17	44.17	3.7
Dimensions	4.1	Mast/fork carriage tilt: forward/back	a/b (°)	5.0 / 9.0	5.0 / 9.0	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
	4.2	Height of mast lowered	h1 (in)	See mast table		See mast table		See mast table		See mast table		4.2
	4.3	Free lift	h2 (in)	See mast table		See mast table		See mast table		See mast table		4.3
	4.4	Lift	h3 (in)	See mast table		See mast table		See mast table		See mast table		4.4
	4.5	Height of mast extended (includes LBR)	h4 (in)	h3 + 48"		h3 + 48"		h3 + 48"		h3 + 48"		4.5
	4.7	Height of overhead guard/cab	h6 (in)	93.82 <sup>3</sup>	93.82 <sup>3</sup>	95.12 <sup>3</sup>	95.12 <sup>3</sup>	95.12 <sup>3</sup>	95.12 <sup>3</sup>	95.12 <sup>3</sup>	95.12 <sup>3</sup>	4.7
	4.8	Height of seat	h7 (in)	48.3	48.3	49.8	49.8	49.8	49.8	49.8	49.8	4.8
	4.12	Height of tow coupling	h10 (in)	27.7	27.7	28.6	28.6	28.6	28.6	28.6	28.6	4.12
	4.19	Overall length with 42" forks	l1 (in)	159.48	159.48	162.71	162.71	164.68	164.68	167.80	167.80	4.19
	4.20	Length to fork face	l2 (in)	117.48 <sup>4</sup>	117.48 <sup>4</sup>	120.71 <sup>4</sup>	120.71 <sup>4</sup>	122.68 <sup>4</sup>	122.68 <sup>4</sup>	125.80 <sup>4</sup>	125.80 <sup>4</sup>	4.20
	4.21	Overall width, front/rear	b1/b2 (in)	56.93 <sup>5</sup> / 56.02	56.93 <sup>5</sup> / 56.02	57.01 <sup>5</sup> / 56.02	57.01 <sup>5</sup> / 56.02	57.01 <sup>5</sup> / 56.02	57.01 <sup>5</sup> / 56.02	57.01 <sup>5</sup> / 56.02	57.01 <sup>5</sup> / 56.02	4.21
	4.22	Fork dimensions	s/e/l (in)	2 / 42 / 5	2 / 42 / 5	2 / 42 / 5	2 / 42 / 5	2 / 42 / 6	2 / 42 / 6	2 / 42 / 6	2 / 42 / 6	4.22
	4.23	Fork carriage: class		Class 3	Class 3	Class 3	Class 3	Class 3	Class 3	Class 3	Class 3	4.23
	4.24	Width of fork carriage	b3 (in)	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	4.24
	4.31	Ground clearance under mast, with load	m1 (in)	6.2	6.2	8	8	8	8	8	8	4.31
	4.32	Ground clearance, center of wheelbase	m2 (in)	7.9	7.9	9.3	9.3	9.3	9.3	9.3	9.3	4.32
	4.33	Aisle width with 48" load	Ast (in)	179.33 <sup>6</sup>	179.33 <sup>6</sup>	182.4 <sup>6</sup>	182.4 <sup>6</sup>	184.25 <sup>6</sup>	184.25 <sup>6</sup>	188.20 <sup>6</sup>	188.20 <sup>6</sup>	4.33
4.34	Aisle width, with other load lengths	Ast (in)	123.43 <sup>8</sup>	123.43 <sup>8</sup>	127.28 <sup>8</sup>	127.28 <sup>8</sup>	129.13 <sup>8</sup>	129.13 <sup>8</sup>	140.20 <sup>8</sup>	140.20 <sup>8</sup>	4.34	
4.35	Outer turning radius	Wa (in)	105.2	105.2	106.61	106.61	108.07	108.07	111.20	111.20	4.35	
Performance	5.1	Travel speed, with/without load	(mph)	13 / 13	13 / 13	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
	5.2	Lifting speed, with/without load	(fpm)	104.3 / 110	104.3 / 110	104.3 / 110	104.3 / 110	104.3 / 110	104.3 / 110	96.0 / 100	96.0 / 100	5.2
	5.3	Lowering speed, with/without load	(fpm)	112 / 102	112 / 102	112 / 102	112 / 102	110 / 98.5	110 / 98.5	110 / 98.0	110 / 98.5	5.3
	5.6	Max. tractive force, with/without load	(lbf)	6416 / 4624	6416 / 4756	5684 / 4910	5684 / 5024	5684 / 5030	5684 / 5179	5684 / 5097	5684 / 5179	5.6
	5.8	Max. climbing ability, with/without load	(%)	29 / 34	28 / 33	22 / 32	22 / 32	21 / 32	20 / 32	20 / 30	20 / 30	5.8
	5.9	Acceleration, with/without load	(sec)	5.7 / 4.8 <sup>7</sup>	5.6 / 4.8 <sup>7</sup>	6.0 / 5.2 <sup>7</sup>	5.9 / 5.2 <sup>7</sup>	6.2 / 5.5 <sup>7</sup>	6.1 / 5.5 <sup>7</sup>	6.2 / 5.5 <sup>7</sup>	6.1 / 5.5 <sup>7</sup>	5.9
5.10	Service brake		Hydrostatic		Hydrostatic		Hydrostatic		Hydrostatic		5.10	
Engine	7.1	Engine manufacturer/type	VW-CBJ.B	VW / BMF	VW-CBJ.B	VW / BMF	VW-CBJ.B	VW / BMF	VW-CBJ.B	VW / BMF	7.1	
	7.2	Engine rating	(hp)	73	73	73	73	73	73	73	7.2	
	7.3	Rated speed	(rpm)	2800	2800	2800	2800	2800	2800	2800	7.3	
	7.4	Number of cylinders/Engine displacement	(cu inches)	4 / 121	6 / 194	4 / 121	6 / 194	4 / 121	6 / 194	4 / 121	6 / 194	7.4
Other	8.1	Traction control	Hydrostatic		Hydrostatic		Hydrostatic		Hydrostatic		8.1	
	8.2	Working pressure for attachments	(psi)	2465	2465	2465	2465	2465	2465	2465	8.2	
	8.3	Oil flow attachments	(gpm)	12.7	12.7	12.7	12.7	12.7	12.7	12.7	8.3	
	8.4	Noise level at driver's ear	(dB)	78	77	78	77	78	77	78	77	8.4

### Footnotes

- <sup>1</sup> Optional tires available
- <sup>2</sup> 59.02 with twin tires
- <sup>3</sup> Add 2" with top wiper
- <sup>4</sup> Add fork or load length
- <sup>5</sup> Add 21.93" for twin front tires
- <sup>6</sup> Including 48" load or forks, and 8" operational clearance
- <sup>7</sup> 0 mph to maximum speed
- <sup>8</sup> Add load length, add operational clearance