

Standard and optional equipment

Standard equipment:

Linde twin drive pedals to control forward/reverse travel and braking
 Linde Load Control integrated in armrest
 Hydraulic-suspension comfort-class seat with extensive range of adjustments
 Hydrostatic steering with on-demand power assist
 Dual engine combustion air pre-cleaners
 High-performance hydraulic filters
 Comprehensive overhead digital instrumentation display (anti-glare surface)

Plenty of storage space
 Top-mounted tilt cylinders
 Zero-maintenance mast and tilt cylinder mountings
 Twin front work lamps
 Regulated catalytic muffler (LP)
 Parking brake
 Tow pin
 Anti restart ignition

Options:

Single drive pedal with direction selector positioned on armrest
 Integral sideshift
 Auxiliary hydraulic circuits for all mast types
 Overhead guard can be upgraded to full cabin with roof, front and rear screens and doors (also available with tinted glass)
 Wiper-washers for front, rear and roof screens
 Cab heater with integral pollen filter
 Roof shade, clipboard, interior lighting
 LBR

Truck lighting, work lamps
 Audible reversing alarm, amber warning light
 Paperwork clip board
 LPG ultrasonic fuel level indicator (currently not available)
 17° Pivoting operators seat
 Electronic tilt angle limiting
 Custom paint
 Catalytic muffler (diesel)
 Mirrors

Other options available on request



LPG Forklift Trucks
 Capacity 3000, 3500, 4000 and 4500 lb
 H16CT, H18CT, H20CT, and H20CT-600
 SERIES 391



Safety

Linde ProtectorFrame: The overhead guard and its supporting frame form a strong and completely enclosed protective zone providing optimum structural integrity and safety. The top mounted tilt cylinders provide seamless, smooth control of the tilt movements for excellent load stability in all operating conditions.

Performance

Low fuel consumption levels, low exhaust emissions, and impressive performance. Advanced engine and drive technology combined with the original Linde Load Control system enable the operator to use the truck's potential to maximise productivity. Comfortable and precise fingertip control of all hydraulic functions.

Comfort

Climb on board relaxed, finish the shift relaxed. Designed to the most advanced ergonomic standards. Spacious cab interior, adjustable armrest, suspension seat, and functional positioning of easy-actuation controls make for a stress-free working environment.

Reliability

Proven in tough sustained operations. Isolation of the cab from the mast, drive axle and chassis results in reduced shock and vibrations. Maintenance-free mounting of axles and tilt cylinders cuts downtime and operating costs.

Productivity

Effective and cost efficient: The "New Generation" Linde hydrostatic drive eliminates torque converter transmission, clutch, differential, and drum brakes. As a result, servicing costs are low, truck uptime is high and productivity is enhanced.

Features

Original Linde Hydrostatic drive

- Responsive, smooth and precise driving
- No clutch, differential or drum brakes; hydrostatic drive assumes function of service brake
- Robust drive system, proven in severe duty environments
- Low maintenance costs and long life



Linde ProtectorFrame

- Safe and robust chassis, enclosed on all sides
- Engine hood and servicing doors open wide for convenient access to all components

Linde twin drive pedals

- Quick change of forward/reverse direction
- Short pedal stroke
- No leg fatigue
- Increased productivity

Linde Load Control

- Accurate, safe load handling
- Effortless fingertip control of all hydraulic functions
- Traction and all hydraulic functions completely separate

High-economy engine technology

- Diesel and LPG engines incorporating the most advanced technology
- High torque
- Low fuel consumption
- Low exhaust gas and soot emission levels



Linde operator compartment

- Designed to advanced ergonomic standards
- Spacious cab with automobile equivalent legroom
- Excellent visibility of load and surroundings
- Cushioned drive and steer axles reduce road shock
- Standard sound abatement design (75/73 dBA)

Linde Truck Control

- Reliable microprocessor controller technology
- Easily matched to individual application requirements
- Component protection resulting from redundant monitoring systems
- Automatic control of engine RPM

Linde clear-view mast

- Superb visibility
- Exceptional residual capacity
- Zero-maintenance shock mounting of mast and tilt cylinders
- Electronic limiting of tilt angle

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LINE CLASSIFICATION: These forklift trucks meet all applicable mandatory requirements of ANSI/ISO 8531 standards for powered industrial trucks. NOTE: Performance data may vary due to matra and system efficiency differences. 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.

Technical data

May 2007

		Linde	Linde	Linde	Linde			
Characteristics	1.1	Manufacturer	Linde	Linde	Linde			
	1.2	Model designation	H16CT	H18CT	H20CT-600			
	1.3	Power unit: battery, diesel, gasoline, LP gas, AC	LP	LP	LP			
	1.4	Operation: manual, pedestrian, rider standing, rider seated, order picker	Rider seated	Rider seated	Rider seated			
	1.5	Load capacity	Q lb (t)	3000 (1600)	3500 (1800)	4000 (2000)	4500 (2000)	
	1.6	Load center (axle center to fork face)	c in (mm)	24 (500)	24 (500)	24 (500)	24 (610)	
	1.8	Load distance (front overhang)	x in (mm)	14.3 (365)	14.3 (370)	14.5 (374)	14.5 (374)	
	1.9	Wheelbase	y in (mm)	59.1 (1500)	60.6 (1540)	63.0 (1600)	63.0 (1600)	
	Weight	2.1	Service weight	lb (kg)	6008 (2725)	6371 (2890)	6702 (3040)	7044 (3195)
2.2		Axle loading with load, front/rear	lb (kg)	7717/1291 (3780/545)	8583/1288 (4120/570)	9412/1290 (4440/600)	10322/1222 (4625/570)	
2.3		Axle loading without load, front/rear	lb (kg)	2767/3241 (1255/1470)	2866/3505 (1300/1590)	2976/3726 (1350/1690)	3075/3968 (1395/1800)	
Wheels & Tires	3.1	Tire type - front/rear: C (cushion), SE (cushion super elastic), P (pneumatic)	C	C	C	C		
	3.2	Tire size: front	in (mm)	18 x 7 x 12 1/8	18 x 7 x 12 1/8	18 x 7 x 12 1/8	18 x 7 x 12 1/8	
	3.3	Tire size: rear	in (mm)	18 x 6 x 12 1/8	18 x 6 x 12 1/8	18 x 6 x 12 1/8	18 x 6 x 12 1/8	
	3.5	Wheels: number front/rear (x = driven)		2 x / 2	2 x / 2	2 x / 2	2 x / 2	
	3.6	Track width, front	b10 in (mm)	36.0 (914)	36.0 (914)	36.0 (914)	36.0 (914)	
	3.7	Track width, rear	b11 in (mm)	34.4 (873)	34.4 (873)	34.4 (873)	33.5 (851)	
	Dimensions	4.1	Mast/fork carriage tilt: forward/back	degrees	6.0/6.0	6.0/6.0	6.0/6.0	6.0/4.0
4.2		Height of mast lowered	h1 in (mm)	See mast table	See mast table	See mast table	See mast table	
4.3		Free lift	h2 in (mm)	See mast table	See mast table	See mast table	See mast table	
4.4		Lift	h3 in (mm)	See mast table	See mast table	See mast table	See mast table	
4.7		Height of overhead guard/cab	h6 in (mm)	83.6 (2123)	83.6 (2123)	83.6 (2123)	83.9 (2130)	
4.8		Height of seat	h7 in (mm)	42.0 (1067)	42.0 (1067)	42.0 (1067)	42.0 (1067)	
4.12		Height of tow coupling	h10 in (mm)	21.9 (557)	21.6 (549)	20.9 (530)	20.9 (530)	
4.19		Overall length	l1 in (mm)	129.0 (3112)	130.4 (3152)	133.5 (3231)	133.5 (3231)	
4.20		Length to fork face	l2 in (mm)	87.0 ¹ (2212) ¹	88.4 ¹ (2252) ¹	91.5 ¹ (2331) ¹	91.5 ¹ (2331) ¹	
4.21		Overall width	b1/b2 in (mm)	43.0 ³ (1092) ³	43.0 ³ (1092) ³	43.0 (1092)	43.0 (1092)	
4.22		Fork dimensions	s/e/l in (mm)	1.5x4x42 (40x80x900)	1.5x4x42 (45x100x900)	1.5x4x42 (45x100x900)	1.5x4x42 (45x100x900)	
4.23		Fork carriage: class		2A	2A	2A	2A	
4.24		Width of fork carriage	b3 in (mm)	40.9 (1040)	40.9 (1040)	40.9 (1040)	40.9 (1040)	
4.31		Ground clearance under mast, with load	m1 in (mm)	3.7 (93)	3.6 (92)	3.7 (95)	3.9 (99)	
4.32		Ground clearance, center of wheelbase	m2 in (mm)	4.7 (119)	4.6 (118)	4.8 (121)	4.7 (120)	
4.33		Aisle width	Ast in (mm)	93.3 ² (2370) ²	94.9 ² (2411) ²	98.2 ² (2495) ²	98.2 ² (2495) ²	
4.35	Turning radius	Wa in (mm)	78.9 (2005)	80.4 (2041)	83.5 (2121)	83.5 (2121)		
4.36	Minimum pivot point distance	b13 in (mm)	23.6 (600)	24.2 (615)	25.1 (638)	25.1 (638)		
Performance	5.1	Travel speed, with/without load	mph (km/h)	10 (16)	10 (16)	10 (16)	10 (16)	
	5.2	Lifting speed, with/without load	fpm (m/s)	118.1/124.0 (0.6/0.63)	118.1/124.0 (0.6/0.63)	106.3/112.2 (0.54/0.57)	118.1/124.0 (0.60/0.63)	
	5.3	Lowering speed, with/without load	fpm (m/s)	112.2/112.2 (0.57/0.57)	112.2/112.2 (0.57/0.57)	112.2/112.2 (0.57/0.57)	112.2/112.2 (0.57/0.57)	
	5.5	Drawbar pull, with/without load	lbs (N)	2900/2214 (12900/9850)	2900/2293 (12900/10200)	2900/2383 (12900/10600)	2900/2405 (12900/10700)	
	5.7	Climbing ability, with/without load	%	32 / 37	29 / 36	27 / 36	26 / 34	
	5.9	Acceleration, with/without load	sec	4.9 / 4.3	5.0 / 4.5	5.1 / 4.6	5.2 / 4.7	
	5.10	Service brake		Hydrostatic	Hydrostatic	Hydrostatic	Hydrostatic	
	Engine	7.1	Engine manufacturer/type		VW / BEF	VW / BEF	VW / BEF	VW / BEF
		7.2	Engine rating	hp (kw)	37.5 (28)	37.5 (28)	37.5 (28)	37.5 (28)
		7.3	Rated speed	rpm ¹	2100	2100	2100	2100
7.4		Number of cylinders/Engine displacement	cu in (cc)	4/121 (4/1984)	4/121 (4/1984)	4/121 (4/1984)	4/121 (4/1984)	
Other	8.1	Traction control		Hydraulic/ininitely variable	Hydraulic/ininitely variable	Hydraulic/ininitely variable	Hydraulic/ininitely variable	
	8.2	Working pressure for attachments	psi (bar)	2466 (170)	2466 (170)	2466 (170)	2466 (170)	
	8.3	Oil flow attachments	gal/min (l/min)	10.0 (38)	10.0 (38)	10.0 (38)	10.0 (38)	
	8.4	Noise level at driver's ear	dB(A)	73	73	73	73	

¹ Add 1 in (25 mm) for triple mast
² Plus length of load plus clearance for 90° stack

Capacity

391-01 Series Model H16CT

1.5" x 4" x 42" Forks**
 SE 180/70-8 (18 X 7-8) SC 15 Drive Tires**
 *Cascade HOSS model #55F-SSS-A196, for Linde

Mast Capacity Table

h1	h3	h2	
83.5	124	0.0	Simplex
91.5	138.5	0.0	Simplex
83.5	123	60	Duplex
91.5	139	68	Duplex
83.5	182	60	Triplex
85.5	188	62	Triplex
91.5	206	68	Triplex
97.5	215	70.5	Triplex

Capacity (lb) @ 24" Load Center**

Std. Carriage	Integral SS Carriage	Hang-on SS Carriage*
3,000	3,000	2,865
3,000	3,000	2,865
3,000	3,000	2,865
3,000	2,850	2,820
2,985	2,685	2,685
2,650	2,175	2,175
2,385	1,895	1,895

391-01 Series Model H18CT

1.5" x 4" x 42" Forks**
 SE 200/50-10 SC 15 Drive Tires**
 *Cascade 40.9" HOSS model #55F-SSS-A196, for Linde

Capacity (lb) @ 24" Load Center**

Std. Carriage	Integral SS Carriage	Hang-on SS Carriage*
3,500	3,500	3,280
3,500	3,500	3,280
3,500	3,500	3,280
3,500	3,375	3,280
3,500	3,190	3,190
3,245	2,630	2,630
2,925	2,320	2,320

391-01 Series Model H20CT

1.5" x 4" x 42" Forks**
 SE 200/50-10 SC 15 Drive Tires**
 *Cascade 40.9" HOSS model #55F-SSS-A196, for Linde

Capacity (lb) @ 24" Load Center**

Std. Carriage	Integral SS Carriage	Hang-on SS Carriage*
4,000	4,000	3,670
4,000	4,000	3,670
4,000	4,000	3,670
4,000	3,775	3,670
4,000	3,570	3,570
3,635	2,955	2,955
3,275	2,590	2,590

391-01 Series Model H20CT-600

1.5" x 4" x 42" Forks**
 Cushion 18 X 7x12 1/8 Drive Tires**
 *Cascade 40.9" HOSS model #55F-SSS-A196, for Linde

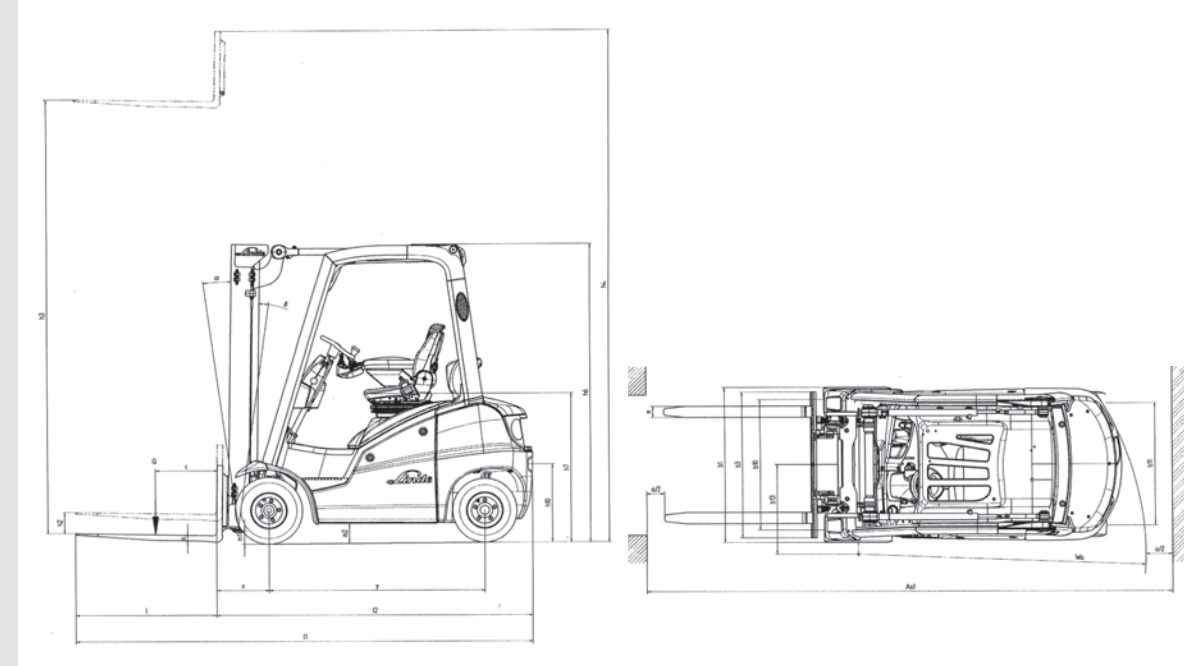
Mast Capacity Table

h1	h3	h2	
83.5	124	0	Simplex
91.5	138.5	0	Simplex
83.5	123	60	Duplex
91.5	139	68	Duplex
83.5	182	60 ^{*1}	Triplex
83.5	182	60	Triplex
85.5	188	62 ^{*2}	Triplex
85.5	188	62	Triplex

Capacity (lb) @ 24" Load Center**

Std. Carriage	Integral SS Carriage	Hang-on SS Carriage*
4,500	4,500	4,245
4,500	4,500	4,245
4,500	4,500	4,245
4,500	4,500	4,245
4,500	4,500	4,245
4,000	3,775	3,650
4,500	4,500	4,245
4,000	3,575	3,570

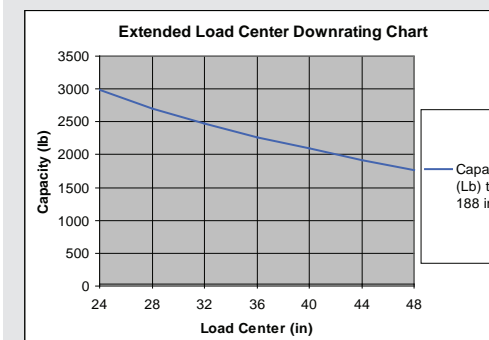
^{*1} and ^{*2} H20CT-600 Triplex up to 157.5
 **Capacity ratings can be affected by changing forks, load center, and/or drive tires



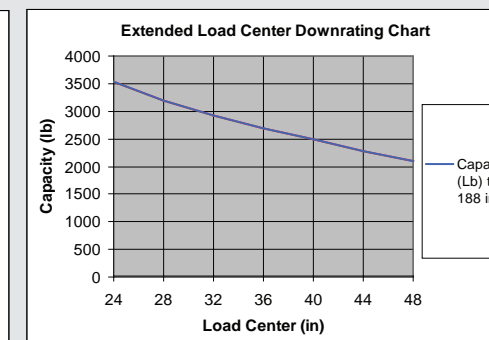
Downrating Charts

Reference cushion tires with standard carriage and forks only

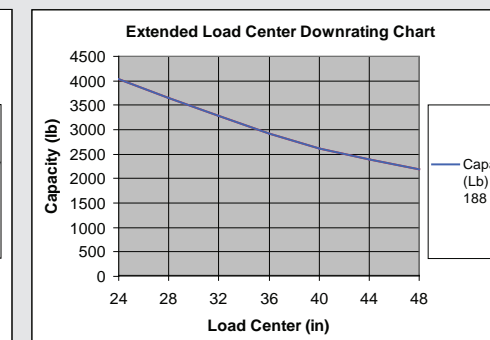
H16CT (188 Triplex Mast)



H18CT (188 Triplex Mast)



H20CT (188 Triplex Mast)



H20CT-600 (188 Triplex Mast)

