Standard and Optional Equipment

Standard Equipment

→Adjustable comfort seat with cushion
→Combination dry-type intake airfilter
→Hydraulic power steering
→Pneumatic tyres
→Standard lift mast: Lift height h3 = 3050mm
→Fork length l = 1000mm
→Standard 6 roller fork carriage
→Multi-functional display
→Adjustable steering column
→Standard container ability (height of overhead guard = 2105mm)
→Truck lighting China version
→Protected rear lights
→Water-oil separator
→Pre-heating system

Optional Equipment

→Various lift heights for Standard/ Duplex/ Triplex masts
→Load backrest
→One or two additional hydraulic circuits available for all mast types
→Various fork lengths
→Additional working lights
→Twin drive wheels; SE tyres; Non marking tyres
→Individual paint colour
→Side shifter (integrated/ hook-on)
→Air pre-filter
→Flashing beacon
→Rotating beacon
→Full/ Half cabin
→ISO 3691
→Combi pedal is standard equipment

Other Options Available on Request

IC Engine Counterbalanced Forklift Truck 1600-2000kg HT16D/Ts, HT18D/Ts, HT20D/Ts

Series 1216

Linde Material Handling

Safety

Advanced wet disc brakes and a unique low gravity center steering axle combined with a state of the art high visibility mast to set benchmarking safety standards.

Performance

The imported transmission designed dedicated to forklift truck applications provides a maximum efficiency and torque output.

Comfort

The spacious and comfortable operator's compartment reflects the most advanced ergonomic design in the forklift industry. The unique Linde central lever combines mast lifting and tilting functions to an easy and efficient operating experience for the operator.

Reliability

Learning from the best, the 1216 series uses main components from Europe that are used in thousands of Linde trucks all over the world.

Service

Benchmarking service periods and a convenient maintenance access will keep your after sales cost down and ensure a high truck availability.

Features

Efficient and modern engine

→ Advanced engine technology
→ Cutting edge Step IIIB engine
→ Minimum energy consumption, maximum productivity

Durable and efficient drive line

→ Benchmarking transmission efficiency
→ Optimized torque converter dedicated for forklift truck applications
→ Decoupled drive train assembly from truck chassis, to ensure an optimum vibration isolation to the load and operator

Safe operation

→ High pivoting point of steering axle to ensure high turning stability
→ High residual capacity ratio
→ Large sized step in plate with anti slip design
→ Step-in handle bar providing a safe and convenient entry into the truck

Ease of use

→ Combined inch and brake pedal
→ Convenient foot operated parking brake
→ Close truck bottom to ensure less ingress of dirt and dust into engine compartment

Advanced wet disc brake

→ Maintenance free during truck life
→ Separated cooling system to ensure sufficient brake performance even in high ambient temperatures
→ Enhanced braking performance compared to conventional drum brakes

High visibility mast

→ High strength mast profiles made in Germany
→ Optimised visibility due to nested mast profiles
→ View optimised assembly of the lift cylinders behind mast profiles

Linde operator´s compartment

→ Spacious operator´s compartment
→ Central control lever (tilting & lifting)
→ Small diameter steering wheel
→ Adjustable steering column
→ Various storage compartments

1216_HT16_18_20Ts_D-01_201603

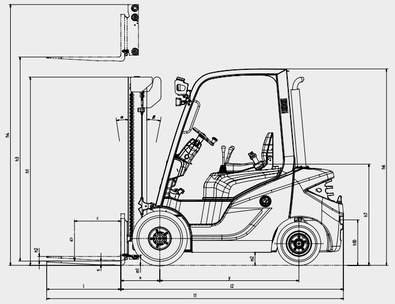
Linde Material Handling

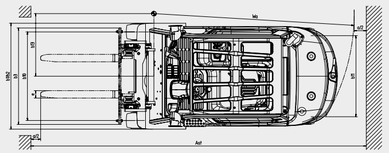
Technical Data

Characteristics	1.1	Manufacturer		LINDE	LINDE	LINDE	LINDE	LINDE	LINDE
	1.2	Model designation		HT16Ds	HT16Ts	HT18Ds	HT18Ts	HT20Ds	HT20Ts
	1.3	Power unit: Battery, diesel, gasoline, LPG		Diesel	LPG	Diesel	LPG	Diesel	LPG
	1.4	Operation		Seat	Seat	Seat	Seat	Seat	Seat
	1.5	Load capacity	Q [t]	1.6	1.6	1.8	1.8	2	2
	1.6	Load center	c [mm]	500	500	500	500	500	500
	1.8	Axle center to fork face	x [mm]	421	425	421	425	425	429
	1.9	Wheelbase	y [mm]	1500	1500	1500	1500	1500	1500
Weights	2.1	Service weight	[kg]	2930	2900	3100	3070	3240	3210
	2.2	Axle load with load, front/rear	[kg]	3910/620	3930/570	4180/720	4200/670	4540/700	4550/660
	2.3	Axle load without load, front/rear	[kg]	1310/1620	1300/1600	1290/1810	1260/1810	1230/2010	1230/1980
Tyres	3.1	Tyre: SE=(superelastic), P=(pneumatic)		P	P	P	P	P	P
	3.2	Tyre size, front		6.5-10/14PR	6.50-10/14PR	6.5-10/14PR	6.5-10/14PR	6.5-10/14PR	6.5-10/14PR
	3.3	Tyre size, rear		18x7-8/16PR	18X7-8/16PR	18x7-8/16PR	18X7-8/16PR	18x7-8/16PR	18X7-8/16PR
	3.5	Wheels, number front/rear (X=drive)		2X/2	2X/2	2X/2	2X/2	2X/2	2X/2
Measurements	4.1	Track width, front	b10 [mm]	955	955	955	955	955	955
	4.2	Track width, rear	b11 [mm]	865	865	865	865	865	865
	4.3	Mast tilt, forward/backward	[Grad]	6°/10°	6°/10°	6°/10°	6°/10°	6°/10°	6°/10°
	4.4	Height of mast, lowered	h1 [mm]	2200	2204	2200	2204	2200	2204
	4.5	Free lift	h2 [mm]	150	150	150	150	150	150
	4.7	Lift	h3 [mm]	3250	3250	3250	3250	3250	3250
	4.8	Height of mast, extended	h4 [mm]	3869	3869	3869	3869	3869	3869
	4.12	Height of overhead guard (cabin)	h6 [mm]	2105	2105	2105	2105	2105	2105
	4.19	Height of drive seat	h7 [mm]	1094	1094	1094	1094	1094	1094
	4.20	Tow coupling height	h10 [mm]	460	460	460	460	460	460
	4.21	Overall length	l1 [mm]	3345	3345	3385	3385	3410	3410
	4.22	Length to fork face	l2 [mm]	2345	2345	2385	2385	2410	2410
	4.23	Overall width	b1 / b2 [mm]	1145	1145	1145	1145	1145	1145
	4.24	Fork dimensions sxexl	sxexl [mm]	45X100X1000	45X100X1000	45X100X1000	45X100X1000	45X100X1000	45X100X1000
	4.31	Fork carriage to DIN 15 173, Class/Form A,B		2A	2A	2A	2A	2A	2A
	4.32	Width of fork carriage	b3 [mm]	1040	1040	1040	1040	1040	1040
	4.33	Ground clearance with load, mast	m1 [mm]	91/100	91/100	89/100	89/100	86/100	86/100
	4.34	Ground clearance with load, center of wheelbase	m2 [mm]	130/135	130/135	130/135	130/135	130/135	130/135
	4.35	Aisle width, 1000 x 1200 across forks	Ast [mm]	3715	3715	3745	3745	3785	3785
	4.36	Aisle width, 800 x 1200 along forks	Ast [mm]	3915	3915	3945	3945	3985	3985
Performances	5.1	Turning radius	Wa [mm]	2090	2090	2120	2120	2160	2160
	5.2	Minimum pivoting point distance	b13 [mm]	610	610	610	610	610	610
	5.3	Travelling speed, with/without load	[km/h]	18/18.7	19.4/20.0	18/18.6	19.4/19.9	17.6/18.0	19.3/19.8
	5.5	Lifting speed, with/without load	[m/s]	0.53/0.55	0.51/0.55	0.52/0.55	0.50/0.53	0.52/0.55	0.49/0.52
	5.6	Lowering speed, with/without load	[m/s]	0.40/0.40	0.40/0.35	0.41/0.40	0.40/0.35	0.44/0.40	0.40/0.35
	5.7	Tractive force, with/without load	[N]	12140/7420	13115/6707	12240/7620	13661/7100	12500/7400	14200/7400
	5.8	Climbing ability, with/without load	[%]	28.4/26.7	31.1/23.6	26.4/25.9	29.9/23.6	25.1/24.0	29/23.5
	5.9	Acceleration time with/without load	[s]	5.4/4.8	4.2/3.8	5.6/4.9	4.4/4	5.9/5.1	4.9/4.3
	5.10	Service brake		Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical	Hydraulic/Mechanical
Drive	6.1	Manufacturer of engine/type		Perkins 404D-22	GCT K21	Perkins 404D-22	GCT K21	Perkins 404D-22	GCT K21
	6.2	Engine rated power according to ISO 1585	[kW]	32.5	30.5	32.5	30.5	32.5	30.5
	6.3	Rated speed	[min-1]	2400	2400	2400	2400	2400	2400
	6.4	Number of cylinders/displacement	[/cm3]	4/2216	4/2065	4/2216	4/2065	4/2216	4/2065
	6.5	Fuel consumption to VDI-cycles	[l/h] [kg/h]	2.98	2.7	2.98	2.8	2.98	2.9
Others	8.1	Type of drive control		2.7	2.7	2.8	2.8	2.9	2.9
	8.2	Noise level	[dB (A)]	82	82	82	82	82	82

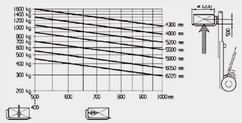
Figures for standard version may vary when options equipment is fitted

Lifting Capacity Diagram for Standard, Duplex Mast and Triplex Mast with Standard Fork Carriage:

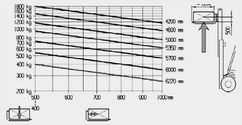




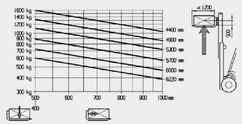
HT16 Standard,Duplex mast



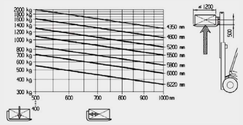
HT16 Triplex mast



HT18 Standard,Duplex,Triplex mast



HT20 Standard,Duplex,Triplex mast



Mast Datasheet (in: mm)

Standard masts (mm)							
Lift height	h_3	3050	3250	3850	4250	4850	5650
Retracted height with 150mm free lift	h_1	2100	2200	2500	2700	3000	3400
Height of overall at max. lift	h_4	3660	3860	4460	4860	5460	6260
Free lift	h_2	150	150	150	150	150	150

Duplex masts (mm)							
Lift height	h_3	2770	3070	3570	3770		
Retracted height	h_1	1925	2075	2325	2425		
Height of overall at max. lift	h_4	3380	3680	4180	4380		
Free lift	h_2	1318	1468	1718	1818		

Triplex masts (mm)							
Lift height	h_3	4020	4470	4770	6220		
Retracted height	h_1	1925	2075	2175	2725		
Height of overall at max. lift	h_4	4630	5080	5380	6830		
Free lift	h_2	1318	1468	1568	2118		