



Standard Equipment/Optional Equipment

Standard Equipment

Hydrostatic power steering
 Linde twin accelerator pedals for all vehicle movements
 Central lever (joystick control) integrated into the adjustable armrest
 2 x 12 kW maintenance free AC drive motors
 25 kW AC maintenance free lift motor
 Different ECO modes providing the perfect combination of performance and efficiency
 Graphic display of battery operating time in minutes
 Automatic parking brake
 Linde dual motor drive
 Proportional reduction of travel speed when cornering (Linde Drive Assistant)
 Seamless electronic control of all traction and hydraulic movements

Standard chassis suitable for working in ISO containers with appropriate mast
 Hydraulically cushioned full suspension PVC operator's seat with armrest
 Comprehensive digital instrument display
 Generous storage facilities for writing materials and miscellaneous items
 Superelastic tyres

Mast

Clearview standard mast 3,100 mm lift
 Fork carriage width 1,350 mm for all models
 Fork length 1,000 mm

Optional Equipment

Single pedal accelerator with forward/reverse selector in the armrest
 Heating (with pollen protection filter)
 Radio with SD-card, Bluetooth and speakers
 Fabric covered comfort seat
 Super-comfort seat with air suspension, heater and backrest extension
 Super Deluxe Active Seat with full automatic weight adjustment, heating and cooling
 Swivelling seat
 Individual or single hydraulic control joystick
 Overhead guard sun blinds (front + top)
 Clipboard with LED illumination
 Front and rear screens, wipers and tops screen
 Full cab with hinged doors
 Polycarbonate top screen on overhead guard
 Tilt cylinder protection
 Alternative fork lengths
 Alternative fork carriage widths
 Integrated sideshift

One, two or three additional hydraulic circuits for attachments
 Load backrest
 Working lamps with LED technology
 Truck lighting with LED technology on rear side
 Full road lighting
 Flashing beacon/rotating beacon
 Audible reversing alarm
 Electrical socket 12 V
 External, internal and panoramic mirror
 Integrated charger unit, optionally with electrolyte circulation
 Active ventilation for battery charging
 Alternative tyre types
 Cold store protection
 Alternative custom paintwork
 Linde Fleet Management (LFM)

Other options available on request



Safety

The protective overhead guard forms a strong and completely enclosed protective zone providing optimum structural integrity, safety and protection for the operator. The top mounted tilt cylinders provide seamless, smooth control of the tilt movements for excellent load stability in all operating conditions. This unique design also enables slimmer mast profiles to be fitted for outstanding visibility.

Performance

One would expect a high performance truck to have a high performance traction system – and that is exactly what the Linde compact drive axle and lift system delivers. Powerful motors and intelligent electronic control form an impressive power pack to deliver the highest level of productivity.

Comfort

Consistently high levels of performance and efficiency for extended periods are only possible if the operator feels comfortable. The ergonomic layout of all the controls, the adjustability of the armrest and seat, Linde Load Control, and twin accelerator pedals provide the best possible intuitive interface between the truck and the operator.

Electric Counterbalanced Trucks
 Capacity 3500 - 5000 kg
 E35, E40, E45, E50

Series 388

Linde Material Handling

Linde

Reliability

An electric forklift truck depends on reliable electronic systems. The Linde electronic control system provides a high level of reliability because of its dual circuit monitoring system and the sealed aluminium housing which provides total protection for the electronics from the ingress of dust and moisture.

Productivity

Effective in operation, efficient in reducing costs: The unique Linde energy management system ensures intelligent and economical consumption of energy. Energy can also be obtained quickly utilising the optional built-in charging unit or one of the four simple and rapid battery changing methods. The result: more uptime and increased productivity.

Features

Linde compact drive axle

→ Twin drive design with high performance
 Linde AC technology
 → Optimum energy efficiency
 → Maintenance-free oil-bath vane brake
 → Automatic parking brake
 → Electronic components housed in sealed unit for complete protection



Linde hydrostatic power steering

→ Minimal physical demands on the operator
 → Compact, ergonomically designed steering wheel
 → Linde oscillating axle for outstanding manoeuvrability

Linde twin accelerator control

→ Seamless, rapid reversing without repositioning the feet
 → Short pedal travel
 → Fatigue-free working
 → Increased throughput and performance

Linde Load Control

→ Small tactile joystick integrated into adjustable armrest
 → Precise and effortless fingertip control of all mast functions
 → Safe and highly efficient load handling

Linde Dual Motor Drive

→ Two powerful AC drive motors integrated in the front axle
 → Seamless acceleration and variable torque characteristics
 → Extremely quiet in operation



Linde operator's compartment

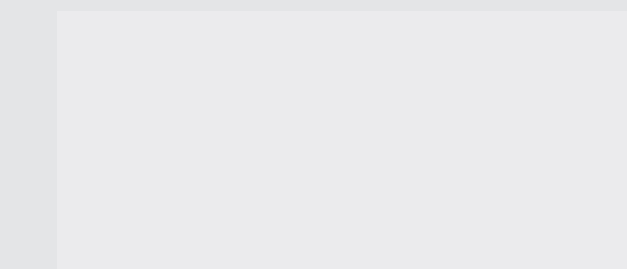
→ Ergonomic design for efficient, fatigue-free working
 → Spacious operator's compartment with generous floor plate area
 → Cushioned comfort – mast and drive axle are isolated from the chassis and cab by a unique resilient suspension system that absorbs shocks, vibrations and noise

Linde clearview mast design

→ Top mounted tilt cylinders for seamless load control and stability
 → Excellent view of load and surroundings through the robust yet slim mast profiles
 → Nominal capacity retained to high lift heights
 → High residual capacities in all applications

Linde energy management

→ Minimised energy consumption
 → Accurate battery condition indicator
 → Simple horizontal or vertical battery changing options
 → Optional built-in high frequency charger for convenience and flexibility
 → Record of battery usage



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Linde Material Handling

Linde

Technical Data according to VDI 2198

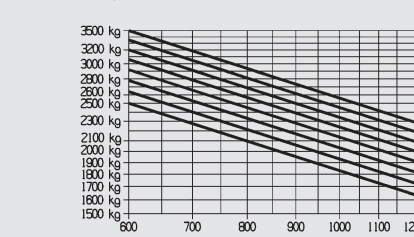
Characteristics		1.1	1.2	1.2a	1.3	1.4	1.5	1.6	1.8	1.9	2.1	2.2	2.3	3.1	3.2	3.3	3.5	3.6	3.7	4.1	4.2	4.3	4.4	4.5	4.7	4.8	4.12	4.19	4.20	4.21	4.22	4.23	4.24	4.31	4.32	4.33	4.34	4.35	4.36	5.1	5.2	5.3	5.5	5.6	5.7	5.8	5.9	5.10	6.1	6.2	6.3	6.4	6.5	6.6	8.1	8.2	8.3	8.4
		Manufacturer	Model designation	Series	Power unit	Operation	Load capacity	Load centre	Axle centre to fork face	Wheelbase	Service weight	Axle load with load, front/rear	Axle load without load, front/rear	Tyres rubber, SE, pneumatic, polyurethane	Tyre size, front	Tyre size, rear	Wheels, number front/rear (x = driven)	Track width, front	Track width, rear	Mast/fork carriage tilt, forward/backward	Height of mast, lowered	Free lift	Lift	Height of mast, extended	Height of overhead guard (cabin)	Height of seat/stand on platform	Towing coupling height	Overall length	Length to fork face	Overall width	Fork dimensions	Fork carriage to ISO 2328, class/type A, B	Width of fork carriage	Ground clearance, below mast	Ground clearance, centre of wheelbase	Aisle width with pallet 1000 x 1200 across forks	Aisle width with pallet 800 x 1200 along forks	Turning radius	Minimum pivoting point distance	Travel speed, with/without load	Lifting speed, with/without load	Lowering speed, with/without load	Tractive force, with/without load	Maximum tractive force, with/without load	Climbing ability, with/without load	Maximum climbing ability, with/without load	Acceleration time, with/without load	Service brake	Drive motor, 60 minute rating	Lift motor, rating at 53.15%	Battery according to DIN 43531/35/36 A,B,C,no	Battery voltage/rated capacity (5h)	Battery weight (± 5%)	Power consumption according to VDI cycle	Type of drive control	Operating pressure for attachments	Oil flow for attachments	Noise level at operator's ear
		LINDE	E35/600H	388-00	Battery	Seat	3.5	600	538	1905	6670 ¹⁾	9096 / 1074	3505 / 3165 ¹⁾	SE	355/45-15 (28x12.5-15)	225/75-10 (23x9-10)	2x / 2	1149	932	5.0 / 8.0	2404	150	3100	4000	2360	1230	722	3712	2712	1440 / 1278	50 x 120 x 1000	3A	1350	146	160	3954 ²⁾	4154 ²⁾	2216	580	18 / 18	0.45 / 0.56	0.55 / 0.55	4600 / 4600	19000 / 19000	7.0 / 10.7	19.4 / 30.3	upon request	hydr./mech.	2x 12.5	25	43 536 / A	80 / 700-775	1863	11.9	Digital/stepless	170	55	50
		LINDE	E40/600H	388-00	Battery	Seat	4.0	600	548	1905	7157 ¹⁾	9982 / 1175	3572 / 3585 ¹⁾	SE	355/45-15 (28x12.5-15)	225/75-10 (23x9-10)	2x / 2	1149	932	5.0 / 8.0	2404	150	3100	4000	2360	1230	722	3722	2722	1440 / 1278	60 x 130 x 1000	3A	1350	145	160	3964 ²⁾	4164 ²⁾	2236	580	18 / 18	0.42 / 0.56	0.55 / 0.55	6100 / 6100	19000 / 19000	6.4 / 10.0	17.6 / 28.1	4.7 / 3.9	hydr./mech.	2x 12.5	25	43 536 / A	80 / 700-775	1863	13	Digital/stepless	170	55	50
		LINDE	E45/600H	388-00	Battery	Seat	4.5	600	548	1905	7660 ¹⁾	10801 / 1359	3589 / 4071 ¹⁾	SE	355/45-15 (28x12.5-15)	225/75-10 (23x9-10)	2x / 2	1149	932	5.0 / 8.0	2404	150	3100	4000	2360	1230	722	3722	2722	1440 / 1278	60 x 130 x 1000	3A	1350	144	160	3984 ²⁾	4184 ²⁾	2361	580	18 / 18	0.39 / 0.56	0.55 / 0.55	6100 / 6100	19000 / 19000	5.9 / 9.4	16.1 / 26.1	4.9 / 4.1	hydr./mech.	2x 12.5	25	43 536 / A	80 / 700-775	1863	14.2	Digital/stepless	170	55	50
		LINDE	E40/600HL	388-00	Battery	Seat	4.0	600	548	2050	7084 ¹⁾	9998 / 1086	3758 / 3326 ¹⁾	SE	355/45-15 (28x12.5-15)	225/75-10 (23x9-10)	2x / 2	1149	932	5.0 / 8.0	2404	150	3100	4000	2360	1230	722	3867	2867	1440 / 1278	60 x 130 x 1000	3A	1350	145	160	4109 ²⁾	4309 ²⁾	2361	580	18 / 18	0.39 / 0.56	0.55 / 0.55	6100 / 6100	19000 / 19000	6.5 / 10.1	17.7 / 28.4	4.7 / 3.9	hydr./mech.	2x 12.5	25	43 536 / A	80 / 840	2178	12.9	Digital/stepless	170	55	50
		LINDE	E45/600HL	388-00	Battery	Seat	4.5	600	548	2050	7537 ¹⁾	10777 / 1260	3757 / 3780 ¹⁾	SE	355/45-15 (28x12.5-15)	225/75-10 (23x9-10)	2x / 2	1149	932	5.0 / 8.0	2404	150	3100	4000	2360	1230	722	3867	2867	1440 / 1278	60 x 130 x 1000	3A	1350	143	160	4109 ²⁾	4309 ²⁾	2361	580	18 / 18	0.35 / 0.5	0.55 / 0.55	6100 / 6100	19000 / 19000	5.9 / 9.5	16.3 / 26.6	4.9 / 4.1	hydr./mech.	2x 12.5	25	43 536 / A	80 / 840	2178	14	Digital/stepless	170	55	50
		LINDE	E50/500HL	388-00	Battery	Seat	4.99	500	548	2050	7692 ¹⁾	11303 / 1379	3762 / 3930 ¹⁾	SE	355/45-15 (28x12.5-15)	225/75-10 (23x9-10)	2x / 2	1149	932	5.0 / 8.0	2404	150	3100	4000	2360	1230	722	3887	2867	1440 / 1278	60 x 130 x 1000	3A	1350	143	160	4109 ²⁾	4309 ²⁾	2361	580	18 / 18	0.35 / 0.5	0.55 / 0.55	6100 / 6100	19000 / 19000	5.6 / 9.3	15.4 / 26.0	5.3 / 4.3	hydr./mech.	2x 12.5	25	43 536 / A	80 / 840	2178	15.2	Digital/stepless	170	55	50
		LINDE	E50/600HL	388-00	Battery	Seat	4.99	600	548	2050	8041 ¹⁾	11568 / 1463	3784 / 4257 ¹⁾	SE	355/45-15 (28x12.5-15)	225/75-10 (23x9-10)	2x / 2	1149	932	5.0 / 8.0	2404	150	3100	4000	2360	1230	722	3887	2867	1440 / 1278	60 x 130 x 1000	3A	1350	145	160	4109 ²⁾	4309 ²⁾	2361	580	18 / 18	0.39 / 0.52	0.55 / 0.55	6100 / 6100	19000 / 19000	5.5 / 8.9	15.0 / 24.8	5.3 / 4.4	hydr./mech.	2x 12.5	25	43 536 / A	80 / 840	2178	13.1	Digital/stepless	170	55	50
		LINDE	E40/600L-Container	388-00	Battery	Seat	4.0	600	548	2050	7179 ¹⁾	10082 / 1097	3842 / 3337 ¹⁾	SE	355/45-15 (28x12.5-15)	225/75-10 (23x9-10)	2x / 2	1149	932	5.0 / 8.0	2404	150	3100	4000	2360	1230	722	3867	2867	1440 / 1278	60 x 130 x 1000	3A	1350	145	160	4109 ²⁾	4309 ²⁾	2361	580	18 / 18	0.39 / 0.52	0.55 / 0.55	6100 / 6100	19000 / 19000	6.4 / 10.0	17.6 / 27.9	4.7 / 3.9	hydr./mech.	2x 12.5	25	43 536 / A	80 / 840	2178	14.7	Digital/stepless	170	55	50
		LINDE	E45/600HL Beverage	388-00	Battery	Seat	4.5	600	548	2050	7773 ¹⁾	10892 / 1381	3872 / 3901 ¹⁾	SE	355/45-15 (28x12.5-15)	225/75-10 (23x9-10)	2x / 2	1149	932	5.0 / 7.0	2404	150	3100	4000	2360	1230	722	3867	2867	1440 / 1278	60 x 130 x 1000	3A	1350	144	160	4109 ²⁾	4309 ²⁾	2361	580	18 / 18	0.39 / 0.56	0.55 / 0.55	6100 / 6100	19000 / 19000	5.7 / 9.0	15.8 / 25.1	5.2 / 4.3	hydr./mech.	2x 12.5	25	43 536 / A	80 / 840	2178	14.7	Digital/stepless	170	55	50

1) Figures with battery, see line 6.4/6.5.

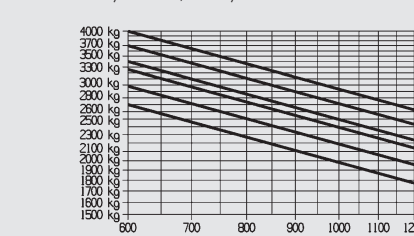
2) Including a 200 mm (min.) operating aisle clearance.

Load Capacity Diagrams

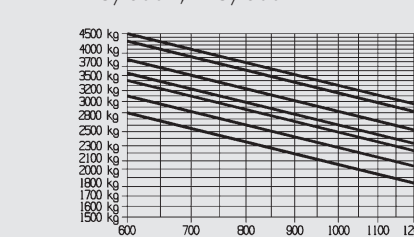
E35/600H



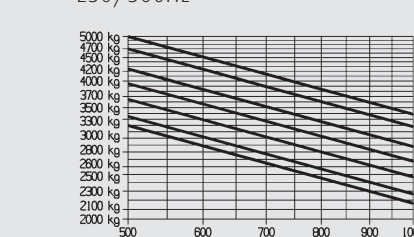
E40/600H, E40/600HL



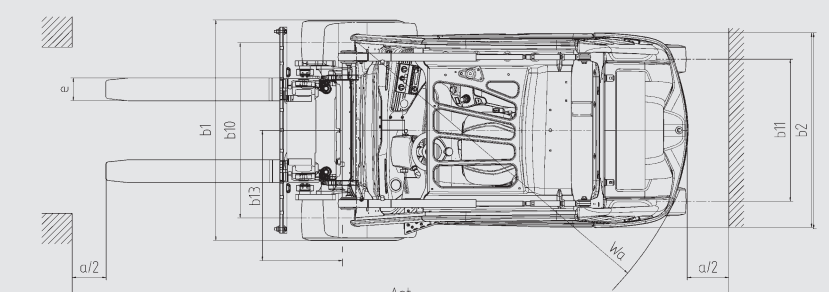
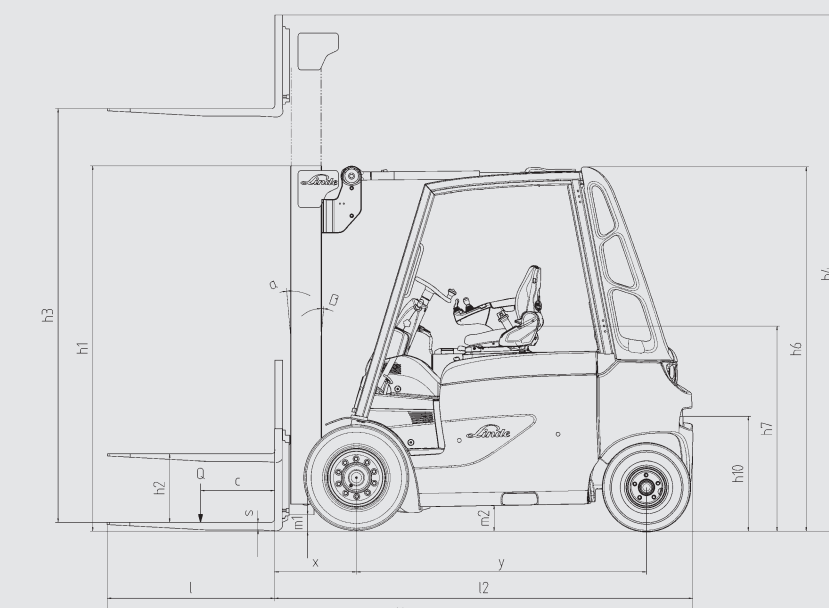
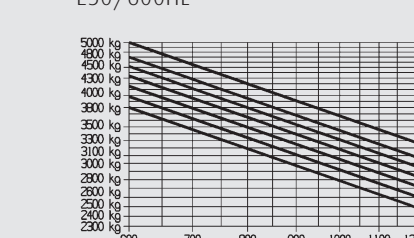
E45/600H, E45/600HL



E50/500HL



E50/600HL



Standard mast	E35/600H E40/600H; E40/600HL E45/600H; E45/600HL E50/500HL					E50/600HL							
	h3	h1	h4	h2	h1	h3	h1	h4	h2	h3	h1	h4	h2
Lift	3100	2404	4000	150	3200	3700	2704	4600	150	4100	3700	4700	150
Mast retracted	2904	2704	4600	150	3354	2904	2704	4600	150	3001	2804	4700	150
Mast extended	4100	4600	5000	150	4254	4600	5000	5900	150	4400	4700	5900	150
Free lift	150	150	150	150	150	150	150	150	150	150	150	150	150

Triplex mast	E35/600H E40/600H; E40/600HL E45/600H; E45/600HL E50/500HL			E50/600HL			E40/600L E45/600L Cont.	E50/500L E50/600L Cont.
	h3	h1	h4	h3	h1	h4	h3	h1
Lift	4675	2660	5515	4375	2660	5065	4225	3925
Mast retracted	2860	2660	5515	2660	2660	5065	2210	2210
Mast extended	6915	6415	6915	6415	6415	6915	5125	4924
Free lift	1460	1760	1960	1460	1760	1960	1310	1210

Figures in mm
Figures for other masts on request