Electric Forklift Trucks
Capacity 2000, 2500 and 3000 kg
E 20, E 20/600, E 25, E 25/600, E 30, E 30/600

SERIES 336-02

Linde Material Handling

Safety

Model of maneuverability. Due to the patented Linde combi axle these forklifts combine excellent maneuverability and superb stability. Designed with a high level of engineering expertise and constructed from high-quality materials, they take tough working conditions in their stride.

Performance

Advanced motors combined with the original Linde Load Control system enable the operator to turn the truck's vast potential into utmost productivity. Comfortable and precise fingertip control of all mast functions.

Comfort

The high level of operator comfort allows a high level of precision and working performance. Ergonomic layout of all controls including the adjustable, suspension-mounted seat and "armrest unit" and Linde twin drive pedals provide the basis for fast, stress-free working.

Reliability

Electric forklifts need reliable electronics. Linde Digital Control provides dependability of a high standard through redundant monitoring systems, complete protection from dust and dirt is gained by a totally enclosed aluminium casing which can be matched to individual requirements.

Productivity

Effective and costefficient at work. Battery change completed in record time thanks to the tiltback cab that opens in one easy motion. Shorter downtime is an added benefit of this convenient access. Time for battery maintenance is reduced to mere minutes.

Technical data

Characteristics	1.1	Manufacturer		LINDE	LINDE	LINDE
	1.2	Model designation		**E 20**	**E 20/600**	**E 25**
	1.3	Power unit: Battery, diesel, gasoline, LP gas, AC		Battery	Battery	Battery
	1.4	Operation: Man., pedest., rider-stand, rider-seat, order picker		Seated	Seated	Seated
	1.5	Load capacity	Q (kg)	2000	2000	2500
	1.6	Load center	c (mm)	500	600	500
	1.8	Load distance	x (mm)	423	423	446
	1.9	Wheelbase	y (mm)	1502	1502	1670
Weight	2.1	Service weight	kg	3770	4200	4505
	2.2	Axle load with load, front/rear	kg	5120/650	5420/780	6175/830
	2.3	Axle load without load, front/rear	kg	1890/1880	2055/2145	2255/2250
Wheels and tyres	3.1	Tyres, front/rear (R = Solid rubber, SE = Superelastic, P = Pneumatic, PU = Polyurethane)		SE	SE	SE
	3.2	Tyre size, front		21x8 – 9 [2]	21x8 – 9 [2]	23x9 – 10 [2]
	3.3	Tyre size, rear		16x6 – 8 [2]	16x6 – 8 [2]	18x7 – 8 [4]
	3.5	Wheels, number front/rear (x = driven)		2x/2	2x/2	2x/2
	3.6	Track width, front	b10 (mm)	890	890	960
	3.7	Track width, rear	b11 (mm)	757	757	850
Dimensions	4.1	Mast/fork carriage tilt, forward/back	α/β (°)	5/7.5	5/7.5	5/7.5
	4.2	Mast height, lowered	h1 (mm)	2227 [3]	2227 [3]	2229 [3]
	4.3	Free lift	h2 (mm)	150	150	150
	4.4	Lift	h3 (mm)	3150	3150	3050
	4.5	Mast height, extended	h4 (mm)	3708	3708	3688
	4.7	Overhead guard/cab height	h6 (mm)	2070	2227	2070
	4.8	Seat height	h7 (mm)	1018	1175	1048
	4.12	Tow coupling height	h10 (mm)	611	611	650
	4.19	Overall length	l1 (mm)	3150	3350	3370
	4.20	Head length	l2 (mm)	2150	2150	2370
	4.21	Overall width	b1/b2 (mm)	1090	1090	1170
	4.22	Fork dimensions	s/e/l (mm)	45x100x1000	45x100x1000	45x100x1000
	4.23	Fork carriage DIN 15173, Class/Form A, B		2A	2A	2A
	4.24	Fork carriage width	b3 (mm)	1080	1080	1150
	4.31	Ground clearance under mast, with load	m1 (mm)	111	110	136
	4.32	Ground clearance, center of wheelbase	m2 (mm)	117	116	117
	4.33	Aisle width, 1000 x 1200 pallet crosswise	Ast (mm)	3472	3472	3691
	4.34	Aisle width, 800 x 1000 pallet lengthwise	Ast (mm)	3599	3660	3819
	4.35	Turning radius	Wa (mm)	1727	1727	1925
	4.36	Minimum pivot point distance	b13 (mm)	–	–	–
Performance	5.1	Travel speed, with/without load	km/h	15.5/17	15.5/17	15/16
	5.2	Lift speed, with/without load	m/s	0.34/0.53	0.34/0.53	0.33/0.48
	5.3	Lower speed, with/without load	m/s	0.54/0.54	0.54/0.54	0.55/0.55
	5.5	Drawbar pull with/without load	N	3214/3567	3400/3800	3984/4371
	5.6	Maximum drawbar pull with/without load	N	9220/9573	9600/10200	10858/10680
	5.7	Gradeability with/without load	%	8/13.8	8/13.8	8/13.8
	5.8	Maximum gradeability with/without load	%	16/26.8	16/26.8	16/26.8
	5.9	Acceleration with/without load	s	4.9/5.4	4.9/4.5	5.0/4.6
	5.10	Service brake		mech./elektr.	mech./elektr.	mech./elektr.
Drive	6.1	Drive motor (60 minutes rating)	kW	2x5.5	2x5.5	2x6.4
	6.2	Lift motor, 15 % rating	kW	13.5	13.5	13.5
	6.3	Battery (IEC)		43536A	43536A	43536A
	6.4	Battery voltage/rated capacity (5h)	V/Ah	80/440	80/560	80/550
	6.5	Battery weight	kg	1224	1547	1536
	6.6	Energy consumption, VDI Cycle	kW/h	5.4/-	5.5/-	5.7/-
Others	8.1	Drive controller		Digital	Digital	Digital
	8.2	Working pressure for attachments	bar	210	210	175
	8.3	Oil flow for attachments	l/min	30	30	30
	8.4	Noise level at operator's ear	dB (A)	–	–	–
	8.5	Tow coupling design/type DIN 15170		–	–	–

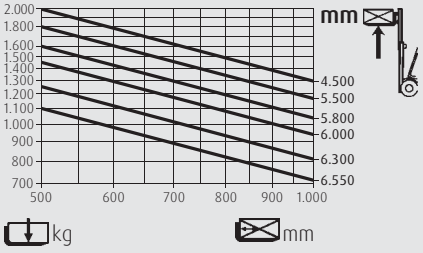
[1] Optionally 23x10 – 12 SE, b1 = 1228 mm
[2] Optionally pneumatic tyres
[3] With 150 mm free lift
[4] Optionally 200/5 – 10 SE

According to VDI 2198

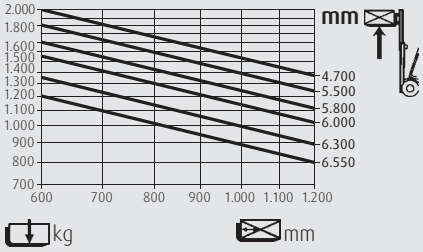
LINDE	LINDE	LINDE
E 25/600	**E 30**	**E 30/600**
Battery	Battery	Battery
Seated	Seated	Seated
2500	3000	3000
600	500	600
446	449	454
1670	1670	1670
4985	4925	5445
6490/995	7055/870	7445/1000
2425/2560	2350/2575	2550/2895
SE	SE	SE
23 x 9 – 10	23 x 9 – 10 [1]	23 x 10 – 12
18 x 7 – 8 [2) 4)]	18 x 7 – 8 [2) 4)]	18 x 7 – 8 [2) 4)]
2x/2	2x/2	2x/2
960	960	960
850	850	850
5/7.5	5/7.5	5/7.5
2229 [3)]	2229 [3)]	2229 [3)]
150	150	150
3050	3050	3050
3688	3841	3841
2227	2070	2227
1205	1048	1200
650	630	650
3578	3425	3587
2378	2425	2387
1170	1170	1228
45 x 100 x 1000	45 x 100 x 1000	50 x 120 x 1200
2A	3A	3A
1150	1150	1150
136	134	139
117	115	120
3691	3744	3749
3819	3872	3878
1931	1975	1931
–	–	–
15/16	15/16	15/16
0.33/0.48	0.31/0.48	0.31/0.55
0.55/0.55	0.55/0.55	0.55/0.55
3984/4371	3826/4356	3826/4356
10858/10680	11702/11232	11702/11232
8/13.8	7/12.2	7/12.2
16/26.8	14/24	14/24
5.0/4.6	5.2/4.8	5.2/4.8
mech./elektr.	mech./elektr.	mech./elektr.
2 x 6.4	2 x 6.4	2 x 6.4
13.5	13.5	13.5
43 536 A	43 536 A	43 536 A
80/700	80/550	80/700
1872	1536	1872
5.9/-	6.3/-	6.5/-
Digital	Digital	Digital
175	200	200
30	30	30
–	–	–
–	–	–

Lifting capacity diagrams

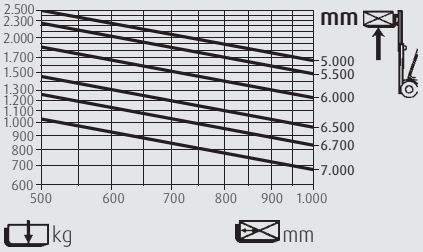
E 20



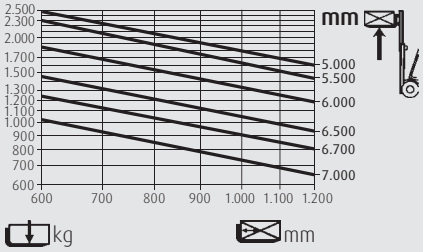
E 20/600



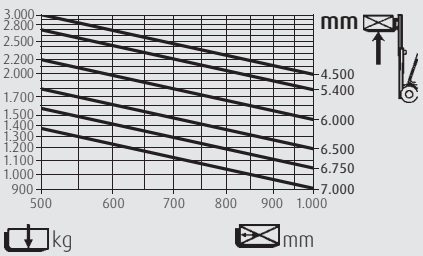
E 25



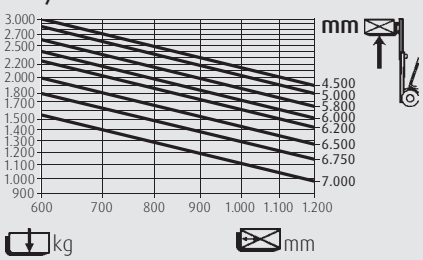
E 25/600



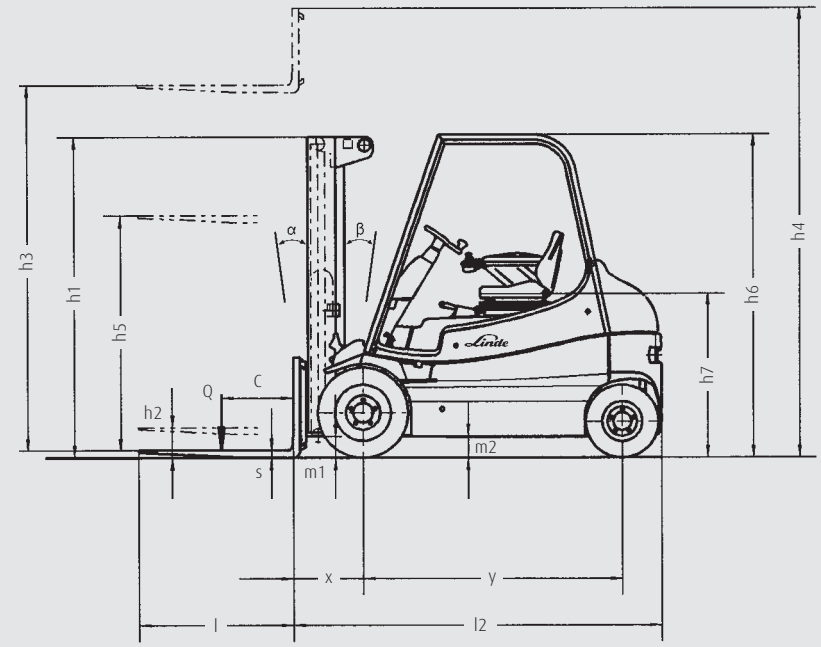
E 30

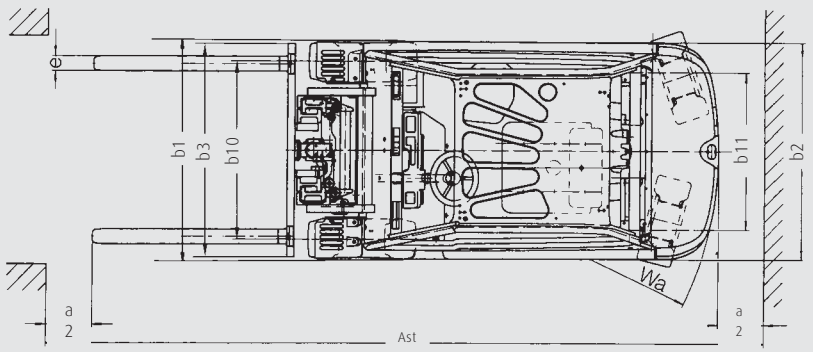


E 30/600



Capacity diagrams for trucks with SE tyres and without integral sideshift. Maximum allowable load may be restricted when fitting tyres other than those specified as standard and when using sideshifts or other attachments. Capacity diagrams for triplex masts are available on request.





Safety clearance a = 200 mm

Overall height/lift height (in mm)		Standard mast					Duplex mast				Triplex mast					
E 20 Lift	**h3**	3150	3550	4050	4650	–	3020	3320	3820	–	4475	4865	5515	5965	6765	–
E 20/600 mast lowered																
(to 150 mm free lift, Standard only)	**h1**	2227	2427	2677	2977	–	2054	2204	2454	–	2054	2204	2454	2604	2904	–
Mast extended	**h4**	3708	4108	4608	5208	–	3578	3878	4378	–	5033	5423	6073	6523	7323	–
Free lift	**h2**	150	150	150	150	–	1524	1674	1924	–	1525	1675	1925	2075	2375	–

Overall height/lift height (in mm)		Standard mast					Duplex mast				Triplex mast					
E 25 Lift	**h3**	2850	3050	3450	4050	4550	2865	3165	3665	–	4265	4655	5305	5905	6555	–
E 25/600 mast lowered																
(to 150 mm free lift, Standard only)	**h1**	2129	2229	2429	2729	2979	2056	2206	2456	–	2056	2206	2456	2656	2906	–
Mast extended	**h4**	3488	3688	4088	4688	5188	3503	3803	4303	–	4903	5293	5943	6543	7193	–
Free lift	**h2**	150	150	150	150	150	1424	1574	1824	–	1424	1574	1824	2024	2274	–

Overall height/lift height (in mm)		Standard mast					Duplex mast				Triplex mast					
E 30 Lift	**h3**	2850	3050	3450	4050	4550	2915	3215	3715	–	4315	4705	5355	5955	6605	–
E 30/600 mast lowered																
(to 150 mm free lift, Standard only)	**h1**	2129	2229	2429	2729	2979	2081	2231	2481	–	2056	2206	2456	2656	2906	–
Mast extended	**h4**	3641	3841	4241	4841	5341	3706	4006	4506	–	5106	5496	6146	6746	7396	–
Free lift	**h2**	150	150	150	150	150	1274	1424	1674	–	1274	1424	1674	1874	2124	–

E 20 and E 20/600 with Type 183 mast; E 25, E 25/600, E 30 and E 30/600 with Type 186 mast.

Standard and optional equipment

Standard equipment

Truck

- Linde twin drive pedals to control forward/reverse travel and braking
- Linde Load Control lever integrated in armrest
- Front wheels driven by independent motors with automatic cornering control
- Infinitely variable, power-economizing control of travel speed and working hydraulics
- Battery discharge indicator with automatic lift motor slowdown at 80 % discharge
- Carbon brush monitoring for traction and hydraulic function motors
- Container entry height standard for E 20 to E 30 (when fitted with appropriate mast)
- Hydraulically adjustable suspension seat, adapts to operator's body size and weight
- Tiltback cab allowing quick and easy battery change
- Battery capacity, low version (height h6 = 2,070 mm)
  E 20 = 80 V/440 Ah,
  E 25 = 80 V/550 Ah,
  E 30 = 80 V/550 Ah
- Higher battery capacity, high version (height h6 = 2,227 mm)
  E 20/600 = 80V/560 Ah,
  E 25/600 = 80V/700 Ah,
  E 30/600 = 80V/700 Ah
- On-demand hydrostatic steering
- Plenty of storage space for writing utensils, beverage cans, etc.
- Superelastic tyres

Mast

- Standard mast lift height h3 = 3,050 mm
  (E 25, E 25/600, E 30, E 30/600)
- Standard mast lift height h3 = 3,150 mm (E 20, E 20/600)
- Standard, duplex and triplex masts
- Fork length l = 1,000 mm
- Fork carriage width b3 = 1,080 mm (E 20, E 20/600)
- Fork carriage width b3 = 1,150 mm
  (E 25, E 25/600, E 30, E 30/600)

Options

- Single drive pedal with direction selector positioned on armrest
- Standard masts, lift height to 5,450 mm (E 20, E 20/600), 5,550 mm (E 25, E 25/600, E 30, E 30/600)
- Duplex masts (full free lift), lift height to 4,520 mm (E 20, E 20/600), 4,465 mm (E 25, E 25/600), 4,515 mm (E 30, E 30/600)
- Triplex masts (full free lift), lift height to 6,765 mm (E 20, E 20/600), 6,555 mm (E 25, E 25/600), 6,605 mm (E 30, E 30/600)
- Integral sideshift
- Load backrest
- One or two auxiliary hydraulic circuits for all mast types
- Alternative fork lengths
- Fork extensions
- Overhead guard can be upgrated to full cabine with roof, front and rear screens and doors (also available with tinted glass)
- Comfort-class seat (fabric cover, breather system, lumbar support)
- Super-comfort seat (comfort-class plus seat heater and seat back extension)
- Cab heater
- Truck lighting, worklamps
- Mirrors
- Highway specifications
- Flasher warning lamp
- Audible reversing alarm
- Truck lighting
- Worklamps
- Custom paintwork

Other options available on request

Safety

Model of mane
axle these fork
superb stabilit
expertise and
take tough wo

Performan

Advanced mot
Control system
potential into
fingertip contr

Comfort

The high level
precision and
controls includ
and "armrest u
basis for fast, s

Features

Linde hydrostatic steering
→ No kickback and virtually no play
→ Ergonomic size of steering wheel
→ Combination of dual motor drive and patented Linde combi axle results in supreme maneuverability in tightest spaces, enabling truck to turn around on the spot

Linde clear-view mast
→ Superb visibility through slim-profile sections of mast
→ Full load capacity up to maximum lift height
→ Exceptional residual capacity
→ High level of safety

Linde twin drive pedals
→ Quick change of forward/reverse direction without changing feet on pedals
→ Short pedal stroke
→ Increased productivity
→ Fatigue-free working

Linde Load Control
→ Accurate, safe load handling
→ Effortless fingertip control of all mast functions
→ Hydraulic control levers integrated in armrest

High-economy motor technology
→ Two traction motors integrated in front axle
→ High torque
→ Excellent gradability
→ Superb tractive power
→ Low noise emissions

Linde operator compartment
→ Ergonomic design for efficient, fatigue-free working
→ Spacious cab with comfortable footwell and adjustable seat
→ Excellent visibility of load and surroundings due to slim-line mast sections

Linde combi axle
→ Unites the advantages of both center-pivoted and swing axle
→ Small turning radius equivalent to three-wheel truck
→ Four-wheeler stability and comfort
→ High productivity

Tiltback cab
→ Quick battery change and streamlined servicing
→ Convenient access to battery
→ Safe, rugged chassis enclosed on all sides

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