Standard and Optional Equipment

Standard Equipment

→ Linde twin pedals system
→ Linde joystick integrated in armrest
→ 2×11kW maintenance-free AC drive motors
→ 25 kW AC maintenance free lift motor
→ Automatic parking brake
→ Curve speed control
→ Linde dual motor drive
→ Full suspension inflatable comfort seat
→ Adjustable steering column
→ Standard mast lift height h3 = 3,000 mm
→ Fork carriage 1350 mm
→ Fork length l = 1000mm

Optional Equipment

⇒ Container OHG
→ Single drive pedal
→ Integrated side shifter
→ Hock-on side shifter
→ Alternative fork lengths
→ Internal rear-view mirror
→ Additional hydraulic circuits for attachments
→ Flashing beacon
→ Rotating beacon

Other Options Available on Request

Linde Material Handling

Linde Battery Forklift Trucks

CAPACITY 4000, 4500, 5000 kg
E40, E45, E50, E50/600 1287

Performance

The truck comes standard with a Linde digital controller and a Linde Joystick system. By controlling the valve opening through voltage signals, it simulates a variable speed, achieving accurate control of the mast and attachments' movements.

Comfort

The comfortable armrest design and fingertip control handle, enabling only one finger to control the mast lifting, improves efficiency and reduces driver fatigue. With the Linde twin pedal system, there is no need to change shift gears, enabling easier and more convenient operation.

Stability

The truck boasts high stability, constructed with a mast made from imported steel sections known for their reliable quality, strength, and minimal loss of load height. An option to increase the mast's lifting height up to a maximum of 6.7 meters is available.

Safety

The truck comes standard with an EFSB fully automatic electronic parking system. This contributes to a more stable driving performance, reflecting Linde's high standard of workmanship and quality requirements. The overhead guard design, optimised and safety-tested through drop tests, further ensures a safer driving environment.

Reliability

Equipped with a German-imported integrated dual motor drive and steering axles, alongside twin built-in 11Kw imported brand full AC motors, this truck guarantees stable performance and strong power. The original German-imported steering axle, featuring a one-piece swing structure, ensures flexible, smooth and accurate steering.

Features

Linde digital controller

→ With the Linde Digital Controller, a driver can choose from three power settings on the display to meet different work conditions

Auto parking system

→ Automatic parking without the need for manual operation

Linde twin pedal system

→ Seamless, rapid reversing is possible without the need to
→ reposition feet
→ The short pedal travel distance ensure high efficiency and a fatigue-free experience

Linde Load Control

→ Central joystick integrated in an adjustable armrest
→ Precise and effortless central control of all mast functions
→ Safe and highly efficient material handling

1287_E40, E45, E50, E50/600-en_D-01_202210

Linde Material Handling

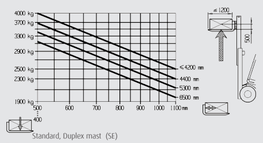
Technical Data

Characteristics	1.1	Manufacturer		Linde	Linde	Linde	Linde
	1.21	Model designation		**E40**	**E45**	**E50**	**E50/600**
	1.3	Power unit		Battery	Battery	Battery	Battery
	1.4	Operation		Seated	Seated	Seated	Seated
	1.5	Load capacity	Q (t)	4	4.5	5	5
	1.6	Load center	c (mm)	500	500	500	600
	1.8	Axle center to fork face	x (mm)	500	500	510	510
	1.9	Wheelbase	y (mm)	2050	2050	2050	2050
Weights	2.1	Service weight	kg	6235	6630	7030	7305
	2.2	Axle load with load, front/rear	kg	9440/825	10200/935	10980/1045	11110 / 1195
	2.3	Axle load without load, front/rear	kg	3400/2835	3430/3200	3490/3540	3390 / 3915
Wheels	3.1	Tyre: SE=(superelastic), P=(pneumatic)		SE	SE	SE	SE
	3.2	Tyre size, front		SE 355/50-15	SE 355/50-15	SE 355/50-15	SE 355/50-15
	3.3	Tyre size, rear		SE 23x9-10	SE 23x9-10	SE 23x9-10	SE 23x9-10
	3.5	Wheels, number front/rear (X=drive)		2x / 2	2x / 2	2x / 2	2x / 2
	3.6	Track width, front	b10 (mm)	1154	1154	1154	1154
	3.7	Track width, rear	b11 (mm)	945	945	945	945
Dimensions	4.1	Mast tilt, forward/backward	α/β (°)	6/8.5	6/8.5	6/8.5	6/8.5
	4.2	Height of mast, lowered	h1 (mm)	2379	2379	2379	2379
	4.3	Free lift	h2 (mm)	150	150	150	150
	4.4	Lift	h3 (mm)	3150	3150	3150	3150
	4.5	Height of mast, extended	h4 (mm)	4014	4014	4014	4014
	4.7	Height of overhead guard (cabin)	h6 (mm)	2369	2369	2369	2369
	4.8	Height of drive platform	h7 (mm)	1291	1291	1291	1291
	4.12	Tow coupling height	h10 (mm)	720	720	720	720
	4.19	Overall length	l1 (mm)	3886	3886	3896	4164
	4.20	Length to fork face	l2 (mm)	2886	2886	2896	2964
	4.21	Overall width	b1 (mm)	1450	1450	1450	1450
	4.22	Fork dimensions, s/e/l	s/e/l (mm)	50x150x1000	50x150x1000	60x150x1000	60x150x1200
	4.23	Fork carriage to DIN 15 173, Class/Form A, B		3A	3A	3A	3A
	4.24	Width of fork carriage	b3 (mm)	1350	1350	1350	1350
	4.31	Ground clearance with load, mast	m1 (mm)	128	128	128	128
	4.32	Ground clearance with load, center of wheelbase	m2 (mm)	144	144	144	144
	4.33	Aisle width with pallet 1000 x 1200mm across forks	Ast (mm)	4272	4272	4281	4550
	4.34	Aisle width with pallet 800 x 1200mm along forks	Ast (mm)	4472	4472	4481	4550
	4.35	Turning radius	Wa (mm)	2572	2572	2572	2640
	4.36	Minimum pivoting point distance	b13 (mm)	736	736	736	737
Performances	5.1	Travel speed, with/without load	km/h	18/18	18/18	18/18	18/18
	5.2	Lifting speed, with/without load	m/s	0.45/0.46	0.4/0.46	0.37/0.46	0.36 / 0.46
	5.3	Lowering speed, with/without load	m/s	0.49/0.56	0.48/0.56	0.47/0.56	0.46 / 0.56
	5.5	Tractive force, with/without load	N	6400/6700	6800/7300	6700/7300	6700 / 7300
	5.8	Climbing ability, with/without load	%	17/25	16/25	15/25	15 / 25
	5.9	Acceleration time with/without load (first 15m)	s	5.9/5.7	6.0/5.8	6.1/5.8	6.1 / 5.8
	5.10	Service brake		Electric/hydr.	Electric/hydr.	Electric/hydr.	Electric/hydr.
Drive	6.1	Drive motor hour rating (60 minutes rating)	kW	2x11	2x11	2x11	2x11
	6.2	Lift motor 15% rating	kW	25	25	25	25
	6.3	Battery according to DIN 43531/35/36/ A, B, C, NO		43536A	43536A	43536A	43536A
	6.4	Battery voltage/capacity (5hours)	V/Ah	80/700	80/700	80/700	80/700
	6.5	Battery weight (±5%)	Kg	1863	1863	1863	1863
Others	8.1	Type of drive control		Microprocessor.	Microprocessor.	Microprocessor.	Microprocessor.
	8.2	Working pressure for attachments	bar	240	260	280	180
	8.3	Hydraulic oil flux	l/min	45	45	45	45
	8.4	Noise level at driver's ear	dB	72	72	72	72

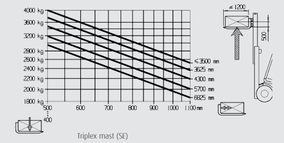
Figures for standard version may vary when options equipment is fitted
1) Data for standard mast

Lifting Capacity Diagram for Standard/Duplex Mast/ Triplex Mast with Standard Fork Carriage

E40

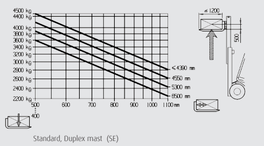


Standard, Duplex mast (SE)

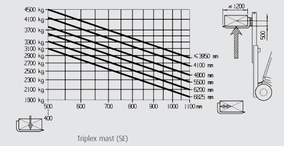


Triplex mast (SE)

E45

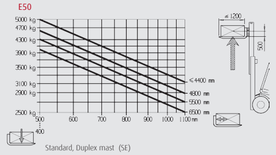


Standard, Duplex mast (SE)

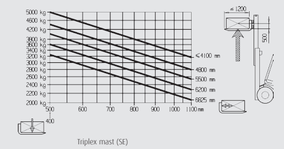


Triplex mast (SE)

E50

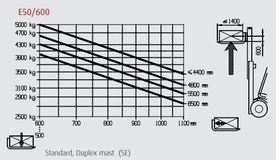


Standard, Duplex mast (SE)

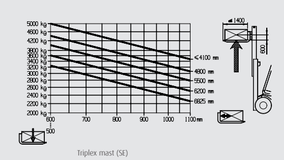


Triplex mast (SE)

E50/600



Standard, Duplex mast (SE)



Triplex mast (SE)

Mast Datasheet (Unit: mm)

Standard masts (mm)		E40, E45, E50, E50/600						
Lift height	h3	3150	3650	3950	4450	4950	5050	5450
Retracted height	h1	2379	2629	2779	3029	3279	3329	3529
Free lift	h2	150	150	150	150	150	150	150
Height of overall at max. lift	h4	4014	4514	4814	5314	5814	5914	6314

Duplex masts (mm)		E40, E45, E50, E50/600			
Lift height	h3	2750	2850	3650	4350
Retracted height (Height of mast, lowered)	h1	2104	2154	2554	2904
Free lift	h2	1240	1290	1690	2040
Height overall at max. lift	h4	3614	3714	4514	5214

Triplex masts (mm)		E40, E45, E50, E50/600					
Lift height	h3	4075	4525	5275	5725	6175	6325
Retracted height (Height of mast, lowered)	h1	2174	2324	2574	2724	2874	2924
Free lift	h2	1290	1440	1690	1840	1990	2040
Height overall at max. lift	h4	4939	5389	6139	6589	7039	7189