Standard and Optional Equipment

Standard Equipment

→ Independent front wheel drive by two AC motors with automatic control of speed and rotation on turns
→ LDC controller for infinitely variable, energy-saving control of travel speed and hydraulic functions
→ Battery discharge indicator with automatic lift motor slowdown at 80% discharge level
→ Multifunction LCD display
→ Twin pedal system
→ Joystick lever with armrest
→ Seat switch, seat adjustable to operator's body size
→ Standard mast, lift height 3250mm
→ Container version OHG (equipped with appropriate mast)
→ Tilt-back cab for easy and quick battery change

Optional Equipment

→ Standard masts, lift height to 5650mm
→ Duplex and triplex mast with full free lift
→ Single or double auxiliary hydraulic circuits for all mast types
→ Alternative fork length
→ Load backrest
→ Warning flashing beacon
→ Work lamps
→ Operator module from front-screen to full cab enclosure
→ Heater
→ Integrated side shifter
→ 48V/5PzS/575Ah battery are available as option for E16P and E20P

Other Options Available on Request

E16C, E16P, E20P Electric Forklift Trucks 1600, 2000kg

335-03

Linde Material Handling

Safety

High stability and excellent traction achieved by design incorporating high-level engineering expertise and construction employing high-quality materials. New wet disc brake system provides an enhanced braking force and ensures a maximum confidence to the operator.

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. Powerful AC motors boost power for excellent performance.

Comfort

The high level of operator comfort allows a high level of precision and working performance. The ease of handing afforded by the 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 totally enclosed aluminum casing.

Service

Full AC system, maintenance free. Battery change completed in record time thanks to the tilt cab that opens in one easy motion. Shorter down time is an added benefit of this convenient access. Time for battery maintenance is reduced to mere minutes.

Features

Linde twin pedal system

→ 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
→ Joystick lever with armrest integrated in armrest

High-economy motor technology

→ Two AC traction motors integrated in front axle
→ High torque, gradability increase 30%
→ IP54, well protected against from rain
→ Maintenance free

Linde digital controller

→ Reliable electronic system
→ High dependability resulting from redundant monitoring systems
→ Modern CAN-bus architecture
→ Controller casing totally enclosed for protection from dust and dirt

Reliable brake system

→ Regenerative brake, leads to shorter brake distance, meanwhile can regenerate energy, gives more working hour for one battery cycle
→ Wet disc brake, less maintenance and reliable
→ Excellent slope behavior, truck roll back slowly even forget to actuate parking brake

Multifunction display

→ LCD display
→ Easy to monitor truck status
→ Show error code, quick diagnose

Tiltback cab

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

Linde operator compartment

→ Ergonomic design for efficient,fatigue-free working
→ Spacious cab with comfortable footwell and adjustable seat

335_E16C-E16P-E20P_D-02_201210

Linde Material Handling

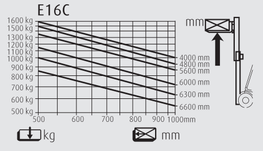
Technical Data

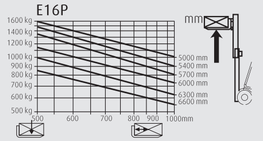
Characteristics	1.1	Manufacturer		Linde	Linde	Linde
	1.2	Model designation		E16C	E16P	E20P
	1.3	Power unit: Electromotion, diesel, gasoline, LPG, mains power		Electric	Electric	Electric
	1.4	Operation: manual, pedestrain, stand-on, seated, order picker		Driver seated	Driver seated	Driver seated
	1.5	Load capacity	Q (t)	1.6	1.6	2.0
	1.6	Load center	c (mm)	500	500	500
	1.8	Axle centre to fork face	x (mm)	330(334) 1)	330(334) 1)	339(343) 1)
	1.9	Wheelbase	y (mm)	1336 2)	1422 2)	1422 2)
Weights	2.1	Service weight	kg	3070	3225	3550
	2.2	Axle load with load, front/rear	kg	4144/526 2)	4209/616 2)	4850/700 2)
	2.3	Axle load without load, front/rear	kg	1550/1520 2)	1675/1550 2)	1670/1880 2)
Wheels	3.1	Tyre: SE=(super elastic), P=(pneumatic)		SE	SE	SE
	3.2	Tyre size, front		18x7 - 8	18x7 - 8	200/50-10
	3.3	Tyre size, rear		15x4 1/2 - 8	16x6- 8	16x6 - 8
	3.5	Wheels, number front/rear (X=driven)		2X / 2	2X / 2	2X / 2
	3.6	Track width, front/rear	b_{10}/b_{11}mm	910/168	910/874	910/874
Dimensions	4.1	Mast tilt, forward/backward	α / β (°)	4.8/4.9	4.6/5.0	4.6/5.0
	4.2	Height of mast, lowered	h1 (mm)	2176 3)	2176 3)	2178 3)
	4.3	Free lift	h2 (mm)	150	150	150
	4.4	Lift	h3 (mm)	3250(4470) 4)	3250(4470) 4)	3250(4470) 4)
	4.5	height of mast, extended	h4 (mm)	3863(5078) 4)	3863(5083) 4)	3863(5083) 4)
	4.7	Height of overhead guard (cabin)	h6 (mm)	1970	2075	2075
	4.8	Height of seat platform	h7 (mm)	919	1024	1024
	4.12	Tow coupling height	h10 (mm)	510	583	583
	4.19	Overall length	l1 (mm)	2845 2)	2970 2)	3060 2)
	4.20	Length to fork face	l2 (mm)	1845 2)	1970 2)	2060 2)
	4.21	Overall width	b_1/b_2 (mm)	1083	1083	1155
	4.22	Fork dimensions, sxexl	s/e/l (mm)	45 x 100 x 1000	45 x 100 x 1000	45 x 100 x 1000
	4.23	Fork carriage to DIN 15173, class/form A, B		2A	2A	2A
	4.24	Width of fork carriage	b3 (mm)	1040	1040	1040
	4.31	Ground clearance, mast	m1 (mm)	78	77	83
	4.32	Ground clearance, center of wheelbase	m2 (mm)	113	113	118
	4.33	Aisle width with pallet 1000x1200mm across forks	Ast (mm)	3171(3175) 1)2)	3408(3412) 1)2)	3439(3443) 1)2)
	4.34	Aisle width with pallet 800x1200mm along forks	Ast (mm)	3293(3297) 1)2)	3608(3612) 1)2)	3639(3643) 1)2)
	4.35	Turning radius	Wa (mm)	1512 2)	1878 2)	1900 2)
	4.36	Minium pivoting distance	b13(mm)	0	571	571
Performances	5.1	Travel speed, with/without load	km/h	15.8/15.8	15.8/15.8	15.8/15.8
	5.2	Lifting speed, with/without load	m/s	0.44/0.52	0.44/0.52	0.37/0.52
	5.3	Lowering speed, with/without load	m/s	0.51/0.51	0.51/0.51	0.51/0.51
	5.5	Tractive force, with/without load (60 minute rating)	N	1900/1900	1900/1900	1900/1900
	5.6	Maximum tractive force, with/without load (5 minute rating)	N	9200/9200	9200/9200	9200/9200
	5.7	Climbing ability, with/without load, (30 minute rating)	%	10.1/15.5	9.8/14.7	8.5/13.3
	5.8	Maximum climbing ability, with/without load (5 minute rating)	%	20.5/32.1	19.8/30.4	17.1/27.4
	5.9	Acceleration, with/without load (first 10m)	s	4.9/4.4	4.9/4.4	5.2/4.5
	5.10	Service brake		Hydraulic/mechanical	Hydraulic/mechanical	Hydraulic/mechanical
Drive	6.1	Drive motor hour rating (60 minute rating)	kW	2 x 4	2 x 4	2 x 4
	6.2	Lift motor,15% rating	kW	8.5	8.5	8.5
	6.3	Battery according to DIN43 535/36 A/B/C/no		43 531 A	43 531 A	43 531 A
	6.4	Battery voltage / capacity (5 hours)	V / Ah	48/550	48/700	48/700
	6.5	Battery weight (+/-5%)	kg	856	1118	1118
Others	8.1	Type of drive control		Microprocessor	Microprocessor	Microprocessor
	8.2	Working pressure for attachments	bar	200	200	250
	8.3	Oil flow for attachments	l/min	20 5)	20 5)	20 5)
	8.4	Mean noise level at driver's ear		—	—	—

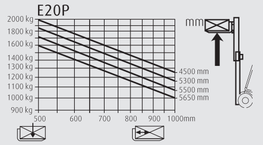
Figures for standard version may vary when optional equipment is fitted
1) Figure in brackets refer to triplex mast
2) At 0° tilt angle
3) At 150mm lift
4) For additional mast height refer to page 3
5) At 80% rated pressure

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

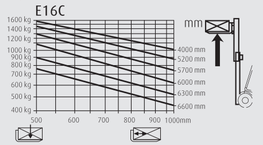
Standard, Duplex mast

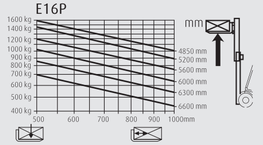


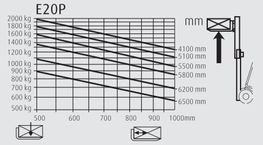


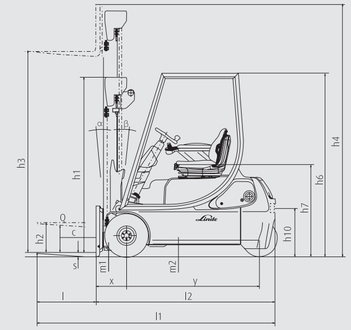


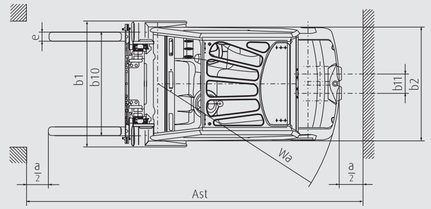
Triplex masts











safety distance a=200mm

Mast Datasheet (in: mm)

Standard mast		E16C							E16P/E20P						
Lift	h3	2850	3050	3250	3850	4250	4850	5650	3050	3250	3850	4250	4850	5650
Mast retracted	h1#	1976	2076	2176	2476	2676	2976	3376	2078	2178	2478	2678	2978	3378
Mast extended	h4	3463	3663	3863	4463	4863	5463	6263	3663	3863	4463	4863	5463	6263
Free lift	h2	150	150	150	150	150	150	150	150	150	150	150	150	150

Duplex mast		E16C							E16P/E20P						
Lift	h3	2770	3070						3070						
Mast retracted	h1	1919	2069						2071						
Mast extended	h4	3383	3683						3683						
Free lift	h2	1318	1468						1468						

Triplex mast		E16C							E16P/E20P						
Lift	h3	4020	4470	4770	5470	5920	6220		4470	4770	5470	5920	6220		
Mast retracted	h1	1919	2069	2169	2469	2619	2719		2071	2171	2471	2621	2721		
Mast extended	h4	4633	5083	5383	6083	6533	6833		5083	5383	6083	6533	6833		
Free lift	h2	1318	1468	1568	1868	2018	2118		1468	1568	1868	2018	2118		