

## Standard and Optional Equipment

### Standard Equipment

- Linde digital controller
- Import brand motors
- Linde Li-ion battery
- Import gear pump
- Twin drive motor system
- Fork loading cushion
- PN tires
- Warp-around seat
- Seat safety switch
- Small diameter steering wheel
- Linde single pedal system
- Linde central lever
- 4,3" colour display
- USB charger
- LED headlight and LED rear light
- E-bar LED display
- Side-port charge
- 80V 228Ah Li-ion battery
- 80V 100A high frequency charger
- Turning Auto-deceleration
- Back handle with horn button

### Optional Equipment

- Twin pedal
- Cold Store Protect
- Smartlink 2.0 Fleet Management System
- Integrated side shifter
- Hook-on side shifter
- One, two additional hydraulic circuits for attachments
- Flashing beacon
- Blue Spot
- EMS-Energy Management System
- Fork backrest

Other Options Available on Request



## New Energy Counterbalance Forklift Truck

CAPACITY 1500, 1800, 2000 kg

E15CBHP-01, E18CBHP-01, E20CBHP-01

1292

### Li-ion Truck with Compact & Flexible Design

Dedicated Li-ion truck design, smaller turning radius and aisle width, saves working space and offers better maneuverability

### Digital & Intelligent Management

EMS & Smartlink 2.0 system remotely manage the fleet and battery, improve safety, repair efficiency, and vehicle utilization rate

### Modular Design Easy Maintenance

Thanks to modular design, it simplifies service process and reduces 15%-20% of checking & repairing time. Configured with mobile phone accessible diagnostic App, improving troubleshooting convenience. Apply higher quality oils and filters, reducing replacement frequency and maintenance cost

### Three Electric Component Integration for Efficiency & Reliability

Li-ion battery, motor & controller are developed by Linde, which is specially designed for industrial vehicles, with better integration, higher efficiency and better safety, effectively save energy and reduce maintenance cost

### Accurate & Reliable In-house BMS

In-house BMS with better hardware parameters: 80 millisecond high-speed data transmission & higher detection accuracy. Better battery management prolonging the battery life cycle

### Surging Power Flexible Operation

With over 50 years of German experience in electric forklift truck software programming. Short acceleration time to achieve fast direction change; 18% climbing ability with full load, start at half slope and keep  $\geq 2$  km/h travel speed

## Features

### In-house battery, motor & controller

- Over 50 years of German experience in electric forklift truck software programming
- Electric Integration efficiency improved up to 28%
- Full loaded climbing degree is 18%
- Li-ion battery with heating system support normal used in  $-20^{\circ}\text{C}$

### Digitization Upgrade

- Remote manage
- Active safety warning
- Battery health report
- Vehicle & battery efficiency analysis
- Vehicle information board



### Center-pivoted Axle

- 180° rotation angle steering axle
- Can realize the smallest turning radius

### Convenient Interface

- LED SOC display bar
- Emergency endurance function
- Side charging window
- Auto sleep mode
- USB charging port
- 4,3" standard display

### High standard Li-ion battery, safe & reliable

- German lean Li-ion development procedure ensure best quality
- 34 high standard test program ensure battery safety
- Accurate battery management for longer lifespan

### Linde operator's compartment

- Central lever
- Small diameter steering wheel
- Foot parking brake

\*Subject to modification in the interests of progress, illustration and technical details not binding for actual constructions and may show the optional equipments.\*

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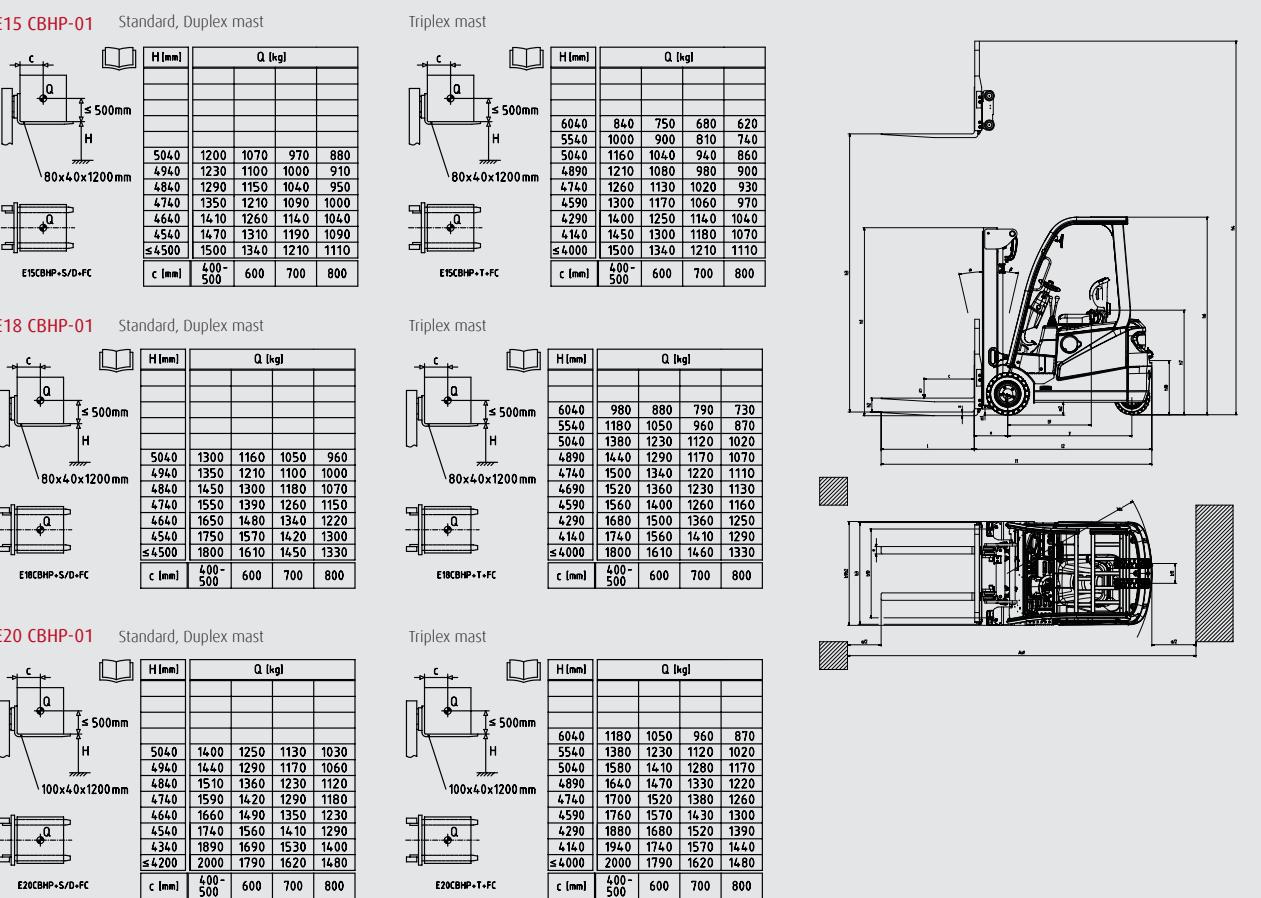
Linde Material Handling



## Technical Data

Characteristics	LINDE				
	E15CBHP-01	E18CBHP-01	E20CBHP-01		
1.1 Manufacturer					
1.2 Model designation					
1.3 Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas	Battery	Battery	Battery		
1.4 Operator type: hand, pedestrian, standing, seated, order-picker	Seated	Seated	Seated		
1.5 Rated capacity/rated load	Q (t)	1.5	1.8	2	
1.6 Load centre distance	c (mm)	500	500	500	
1.7 Load distance, centre of drive axle to fork	x (mm)	360	360	360	
1.8 Wheelbase	y (mm)	1340	1340	1370	
Weights	kg	2980	3300	3500	
2.1 Service weight	kg	3945/535	4470/630	4790/710	
2.2 Axle loading, laden front/rear	kg	1465/1515	1480/1820	1500/2000	
2.3 Axle loading, unladen front/rear	PN	PN	PN		
Wheels	PN	200/50-10	200/50-10		
3.1 Tyres: solid rubber, superelastic, pneumatic, polyurethane	18*7-8				
3.2 Tyre size, front	15*4 1/2 - 8	140/55-9	16*6-8		
3.3 Tyre size, rear	2X 2	2X 2	2X 2		
3.4 Wheels, number front/rear (x=driven wheels)	2X 2	2X 2	2X 2		
3.5 Tread, front	b10 (mm)	948	978	978	
3.6 Tread, rear	b11 (mm)	216	220	220	
Dimensions	a/b (°)	6/7	6/7	6/7	
4.1 Tilt of mast/fork carriage forward/backward	h1 (mm)	2050	2050	2050	
4.2 Height of mast, lowered	h2 (mm)	150	150	150	
4.3 Free lift	h3 (mm)	3000	3000	3000	
4.4 Lift	h4 (mm)	4040	4040	4040	
4.5 Height of mast, extended	h6 (mm)	2130	2130	2130	
4.6 Height of overhead guard (cabin)	h7 (mm)	1130	1130	1130	
4.7 Height of seat/stand-on platform	h10 (mm)	590	590	590	
4.8 Coupling height	l1 (mm)	2928	2928	2965	
4.9 Overall length	l2 (mm)	1928	1928	1965	
4.10 Length to face of forks	b1 / b2 (mm)	1120	1180	1180	
4.11 Overall width	sxel (mm)	40x100x1000	40x100x1000	40x100x1000	
4.12 Fork dimensions ISO 2331		2A	2A	2A	
4.13 Fork carriage to ISO 2338, class/type A, B	b3 (mm)	1040	1040	1040	
4.14 Fork-carriage width	m1 (mm)	90	96	96	
4.15 Ground clearance, laden, below mast	m2 (mm)	100	100	100	
4.16 Ground clearance, centre of wheelbase	Ast (mm)	3251	3251	3296	
4.17 Aisle width with pallet 1000x1200 across forks	Ast (mm)	3375	3375	3420	
4.18 Aisle width with pallet 800x1200 along forks	Wa (mm)	1565	1565	1610	
4.19 Turning radius		16/16	16/16	16/16	
Performances	5.1 Travel speed, laden/unladen	km/h	16/16	16/16	
5.2 Lift speed, laden/unladen	m/s	0.40/0.55	0.40/0.55	0.32/0.50	
5.3 Lowering speed, laden/unladen	m/s	0.45/0.46	0.42/0.50	0.42/0.46	
5.4 Max. drawbar pull, laden/unladen	N	11600/8200	11400/8600	11300/8800	
5.5 Max. gradeability, laden/unladen	%	18/20	18/20	18/20	
5.6 Acceleration time, laden/unladen	s	5.8/5.2	6.1/5.3	6.4/5.5	
Drive	6.1 Service brake	Electric/hydr.	Electric/hydr.	Electric/hydr.	
6.2 Drive motor rating S2 60 min	kW	4.6X2	4.6X2	4.6X2	
6.3 Lift motor rating at S3 15%	kW	11.5	11.5	11.5	
6.4 Battery voltage/nominal capacity K5	V/Ah	80V/205Ah	80V/205Ah	80V/205Ah	
6.5 Battery weight (E)	kg	200	200	200	
Others	7.1 Operating pressure for attachments	bar	150	170	185
7.2 Oil flow for attachments	l/min	22	22	22	
7.3 Sound pressure level at the driver's seat	dB(A)	68	68	68	
	Figures for standard version may vary when options equipment is fitted				

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



## Mast Datasheet (in: mm)

Standard masts (mm)	E15CBHP-01, E18CBHP-01, E20CBHP-01
Lift height (1.5/1.8/2t)	h3 3000 3500 4000 4500 5000
Retracted height (1.5/1.8/2t)	h1 2050 2300 2550 2800 3100
Free lift (With LBR) (1.5/1.8/2t)	h2 150 150 150 150 150
Free lift (Without LBR) (1.5/1.8/2t)	h2 150 150 150 150 150
Height of overall at max. lift (With LBR) (1.5/1.8/2t)	h4 4040 4540 5040 5540 6040
Height of overall at max. lift (Without LBR) (1.5t)	h4 3511 4011 4511 5011 5511
Height of overall at max. lift (Without LBR) (1.8/2t)	h4 3651 4151 4651 5151 5651
Duplex masts (mm)	E15CBHP-01, E18CBHP-01, E20CBHP-01
Lift height (1.5/1.8/2t)	h3 3000 3500 4000
Retracted height (1.5/1.8/2t)	h1 2015 2265 2515
Free lift (With LBR) (1.5/1.8/2t)	h2 990 1240 1490
Free lift (Without LBR) (1.5t)	h2 1525 1775 2025
Free lift (Without LBR) (1.8/2t)	h2 1385 1635 1885
Height of overall at max. lift (With LBR) (1.5/1.8/2t)	h4 4040 4540 5040
Height of overall at max. lift (Without LBR) (1.5t)	h4 3511 4011 4511
Height of overall at max. lift (Without LBR) (1.8/2t)	h4 3651 4151 4651
Triplex masts (mm)	E15CBHP-01, E18CBHP-01, E20CBHP-01
Lift height (1.5/1.8/2t)	h3 4100 4250 4550 4700 4800 5000 5500 6000
Retracted height (1.5/1.8/2t)	h1 1965 2015 2115 2165 2215 2265 2515 2765
Free lift (With LBR) (1.5/1.8/2t)	h2 940 990 1090 1140 1190 1240 1490 1740
Free lift (Without LBR) (1.5t)	h2 1475 1525 1625 1675 1725 1775 2025 2275
Free lift (Without LBR) (1.8/2t)	h2 1335 1385 1485 1535 1585 1635 1885 2135
Height of overall at max. lift (With LBR) (1.5/1.8/2t)	h4 5140 5290 5590 5740 5890 6040 6540 7040
Height of overall at max. lift (Without LBR) (1.5t)	h4 4611 4761 5061 5211 5361 5511 6011 6511
Height of overall at max. lift (Without LBR) (1.8/2t)	h4 4751 4901 5201 5351 5501 5651 6151 6651