



Linde Material Handling

Linde



Electric Counterbalance Forklift Truck E20BHP - E25BHP

4,000 - 5,000 lb. Capacity Series 1293

- Performance and productivity of 80-volt lithium-ion technology at the best possible value for a wide variety of applications. High utility and flexible operation emphasize its use.
- Designed to withstand water and rain, the forklift can be used outdoors with confidence. Sealed electronic components and waterproof electrical connections keep moisture away.
- Full integration of the Linde Li-ION battery ensures that the powerful and efficient drive system provides continuous productivity throughout the day.
- Low maintenance requirements simplify daily routines and reduce operating costs.
- A well-designed operator compartment, full-suspension seat, and ergonomic mast controls create an inviting, high-performance work environment.

STANDARD & OPTIONAL EQUIPMENT

Model/Equipment		E20BHP - E25BHP
Standard Equipment	Linde digital control systems	●
	High-efficiency AC drive and pump motors	●
	Linde Li-ION battery (80V / 277Ah / 21.3 kWh)	●
	4-way main hydraulic control valve	●
	Heavy-duty, cast iron steering axle	●
	Cushioned-landing mast cylinders	●
	Suspension seat with wrap-around backrest	●
	Operator presence seat switch	●
	Small diameter steering wheel	●
	Linde single pedal system	●
	Seat-side mast control levers	●
	4.3" color display	●
	USB charger	●
	LED work lights and LED rear light	●
	LED battery state-of-charge display	●
	Side panel charging access door	●
	High-frequency Li-ION battery charger	●
	Triplex masts	●
	Standard warranty (2-year / 4000-hours)	●
Optional equipment	Solid-pneumatic tires	●
	Integrated side shifter	○
	Hang-on side shifter	○
	One, two additional hydraulic circuits for attachments	○
	Flashing strobe light	○
	Linde Blue spot	○
	Rear handle grip with horn button	○
	Internal mirror	○
	Dual external mirrors	○
	Back-up alarm signal	○
	Seat belt monitoring	○
	Anti-static strap	○
	Warranty extension (additional 1-year / 2000-hours)	○
Load backrest	○	

● Standard equipment ○ Optional equipment

ANSI: Standard truck meets all applicable mandatory requirements of ANSI/ISO B561 standards for powered industrial trucks.
 NOTE: Performance data may vary due to motor and system efficiency tolerances. The performance depicted represents nominal values obtained under typical operating conditions. Metric dimensions are in millimeters unless otherwise specified. All metric dimensions are not direct equivalents due to rounding data. The descriptions and specifications included on this data sheet were in effect at the time of printing. KION North America Corporation reserves the right to make improvements and changes in specification or design without notice and without incurring obligation. Please check with your authorized Linde dealer for information on possible updates or revisions.

E20BHP - E25BHP TECHNICAL DATA

			LINDE		
			E20BHP	E25BHP	
Characteristics	1.1	Manufacturer		LINDE	LINDE
	1.2	Model designation		E20BHP	E25BHP
	1.3	Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Li-ION	Li-ION
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Seated
	1.5	Rated capacity/rated load	Q (lb)	4000	5000
	1.5	Load center distance	c (in)	24	24
	1.7	Load distance, center of drive axle to fork	x (in)	18.3	18.3
	1.8	Wheelbase	y (in)	57	57
Weights	2.1	Service weight	lb	7679	8604
	2.2	Axle loading, laden front/rear	lb	10613 / 1477	12361 / 1757
	2.3	Axle loading, unladen front/rear	lb	3282 / 4398	3199 / 5407
Wheels/Tire	3.1	Tire: solid rubber, superelastic, pneumatic, polyurethane		pneumatic	pneumatic
	3.2	Tyre size, front		23X9-10	23X9-10
	3.3	Tyre size, rear		18x7-8	18x7-8
	3.5	Wheels, number front/rear (x=driven wheels)		2X /2	2X /2
	3.6	Tread, front	b10 (in)	40.9	40.9
	3.7	Tread, rear	b11 (in)	37.4	37.4
	Dimensions	4.1	Tilt of mast/fork carriage forward/backward	a/b (°)	6/6.5
4.2		Height of mast, lowered	h1 (in)	See table	See table
4.3		Free lift	h2 (in)	See table	See table
4.4		Lift	h3 (in)	See table	See table
4.5		Height of mast, extended	h4 (in)	See table	See table
4.7		Height of overhead guard (cabin)	h6 (in)	84.6	84.6
4.8		Height of seat/stand-on platform	h7 (in)	45.9	45.9
4.8a		Coupling height	h10 (in)	26.0	26.0
4.12		Overall length	l1 (in)	130.7	130.7
4.19		Length to face of forks	l2 (in)	91.3	91.3
4.20		Overall width	b1/b2 (in)	49.8	49.8
4.21		Fork dimensions	sxexl (in)	1.5 x 4.0 x 42.0	1.5 x 4.0 x 42.0
4.22		Fork carriage to ISO 2338, class/type A, B		2A	2A
4.23		Fork-carriage width	b3 (in)	40.9	40.9
4.24		Ground clearance, laden, below mast	m1 (in)	4.2	4.0
4.31		Ground clearance, center of wheelbase	m2 (in)	4.7	4.7
4.32		Aisle width with pallet 1000x1200 across forks	Ast (in)	144.1	144.1
4.33		Aisle width with pallet 800x1200 along forks	Ast (in)	152.0	152.0
4.34		Turning radius	Wa (in)	78.6	78.6
4.35		Minimum pivoting point distance	b13 (in)	21.8	21.8
Performance	5.0	Travel speed, laden/unladen	mph	9.3 / 9.3	9.3 / 9.3
	5.1	Lift speed, laden/unladen	fpm	65 / 88	55 / 88
	5.2	Lowering speed, lade/unladen	fpm	85 / 93	85 / 93
	5.3	Max. drawbar pull, laden/unladen	N	2675 / 1596	2630 / 1753
	5.6	Max. gradeability, laden/unladen	%	18 / 20	18 / 20
	5.8	Acceleration time, laden/unladen	s	6.0 / 5.5	6.3 / 5.5
DRIVE	6.1	Drive motor rating S2 60 min	kW	10.2	10.2
	6.2	Lift motor rating at S3 15%	kW	11.5	11.5
	6.3	Battery type		Linde Li-ION	Linde Li-ION
	6.4	Battery voltage/nominal capacity K5	V/Ah	80/277	80/277
	6.1	Battery weight (E)	lb	507	507
	Others	10.1	Operating pressure for attachments	psi	2100
10.2		Oil flow for attachments	gal/min	6.3	6.3
10.3		Sound pressure level at the driver's seat	dB (A)	65	65

Figures for standard version may vary when options equipment is fitted

MAST TABLES

E20BHP

Capacity (lb) at 600mm / 24" load center

Type	h1 (in)	h2 (in)	h3 (in)	h4 (in)	h (in)	Std. Carriage	Integrated Side-shifter	Hang-on Side-shifter
Triplex	78.2	52.6	161.4	202.6	163.2	3900	3900	3700
	82.1	56.5	171.3	210.4	173.0	3775	3775	3550
	86.1	60.4	179.1	220.3	180.9	3675	3675	3475
	86.1	60.4	183.1	224.2	184.8	3625	3625	3425
	90.0	64.4	190.9	230.1	192.7	3525	3525	3350
	92.0	66.3	196.9	238.0	198.6	3450	3450	3250
	101.8	76.2	216.5	257.7	218.3	3200	3200	3025
	111.7	86.0	236.2	277.4	238.0	2675	2675	2525
119.5	93.9	255.9	297.0	257.7	2175	2175	2025	

E25BHP

Capacity (lb) at 600mm / 24" load center

Type	h1 (in)	h2 (in)	h3 (in)	h4 (in)	h (in)	Std. Carriage	Integrated Side-shifter	Hang-on Side-shifter
Triplex	78.2	52.6	161.4	202.6	163.2	4825	4825	4550
	82.1	56.5	171.3	210.4	173.0	4550	4550	4275
	86.1	60.4	179.1	220.3	180.9	4325	4325	4075
	86.1	60.4	183.1	224.2	184.8	4225	4225	3975
	90.0	64.4	190.9	230.1	192.7	4000	4000	3775
	92.0	66.3	196.9	238.0	198.6	3850	3850	3625
	101.8	76.2	216.5	257.7	218.3	3325	3325	3125
	111.7	86.0	236.2	277.4	238.0	2775	2775	2600
119.5	93.9	255.9	297.0	257.7	2275	2275	2150	

MAST DATA

Triplex masts (in)		E20BHP, E25BHP								
Lift height	h3 (in)	161.4	171.3	179.1	183.1	190.9	196.9	216.5	236.2	255.9
Height of mast, lowered	h1 (in)	78.2	82.1	86.1	86.1	90.0	92.0	101.8	111.7	119.5
Free lift	h2 (in)	52.6	56.5	60.4	60.4	64.4	66.3	76.2	86.0	93.9
Height of mast, extended	h4 (in)	202.6	210.4	220.3	224.2	230.1	238.0	257.7	277.4	297.0



CHARACTERISTICS



Fully Integrated Design

- Electric motors, electronic modules, controls software, and Li-ION battery are developed by Linde for optimal balance of performance and value.
- Linde Digital Control (LDC) maximizes the output of the 10.2kW drive motor, while ensuring long runtimes with a 21.3kWh Linde Li-ION battery.



Maintenance

- Extended, 1000-hour service intervals
- Simplified operations reduce the time needed for regular checking and repairs
- Lithium-ion battery requires little maintenance and charges easily



Convenient Interfaces

- 4.3" color display.
- LED charge indicator light.
- Easy-access charging port.
- 5V USB charging port
- Full suspension vinyl driver's seat



Confidence

- Smart chassis design provides the driver with optimum visibility of the load and surroundings
- Linde Curve Assist reduces speed automatically while turning
- The one-piece cast iron steering axle sets a solid base for outdoor maneuvering



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