

Technical data

Characteristics	1.1	Manufacturer	LINDE	LINDE	LINDE	LINDE	LINDE	LINDE	LINDE	
	1.2	Model designation	E 14	E 16 C	E 16	E 18 C	E 16 P	E 18 P	E 20 P	
	1.3	Power unit: battery, diesel, petrol, LP gas, mains power	Battery	Battery	Battery	Battery	Battery	Battery	Battery	
	1.4	Operation: manual, pedestrian, stand-on, seated, order picker	Seated	Seated	Seated	Seated	Seated	Seated	Seated	
	1.5	Load capacity	Q (kg)	1400	1600	1600	1800	1600	1800	2000
	1.6	Load centre	c (mm)	500	500	500	500	500	500	500
	1.8	Axle centre to fork face	x (mm)	330	330	330	335	330	335	339
	1.9	Wheelbase	y (mm)	1230 ¹⁾	1336 ¹⁾	1375 ¹⁾	1444 ¹⁾	1383 ¹⁾	1383 ¹⁾	1383 ¹⁾
	Weight	2.1	Service weight	kg	2865	2995	3200	3160	3200	3300
2.2		Axle load with load, front/rear	kg	3690/575 ¹⁾	4055/540 ¹⁾	4200/600 ¹⁾	4440/520 ¹⁾	4210/590 ¹⁾	4520/580 ¹⁾	4740/830 ¹⁾
2.3		Axle load without load, front/rear	kg	1345/1520 ¹⁾	1465/1530 ¹⁾	1550/1650 ¹⁾	1600/1560 ¹⁾	1600/1600 ¹⁾	1640/1660 ¹⁾	1670/1900 ¹⁾
Wheels and tyres	3.1	Tyres, front/rear (SE = CS superelastic, P = pneumatic)	SE (L)/SE (L)	SE (L)/SE (L)	SE (L)/SE (L)	SE/SE	SE (L)/SE (L)	SE/SE	SE/SE	
	3.2	Tyre size, front	18 x 7 – 8	18 x 7 – 8	18 x 7 – 8	200/50 – 10	18 x 7 – 8	200/50 – 10	200/50 – 10	
	3.3	Tyre size, rear	15 x 4 1/2 – 8	15 x 4 1/2 – 8	15 x 4 1/2 – 8	15 x 4 1/2 – 8	16 x 6 – 8	16 x 6 – 8	16 x 6 – 8	
	3.5	Wheels, number front /rear (x = driven)	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	2x/2	
	3.6	Track width, front	b10 (mm)	910	910	910	910	910	910	
	3.7	Track width, rear	b11 (mm)	168	168	168	168	757	757	
	Dimensions	4.1	Mast/fork carriage tilt, forward/backward	Grad	4.8/7.5	4.8/7.5	4.8/7	4.8/7.5	4.5/7	4.5/7
4.2		Height of mast, lowered	h1 (mm)	2100 ⁴⁾	2100 ⁴⁾	2100 ⁴⁾	2100 ⁴⁾	2100 ⁴⁾	2100 ⁴⁾	
4.3		Free lift	h2 (mm)	150	150	150	150	150	150	
4.4		Lift	h3 (mm)	3050 ²⁾	3050 ²⁾	3050 ²⁾	3050 ²⁾	3050 ²⁾	3050 ²⁾	
4.5		Height of mast, extended	h4 (mm)	3658 ²⁾	3658 ²⁾	3658 ²⁾	3658 ²⁾	3658 ²⁾	3658 ²⁾	
4.7		Height of overhead guard (cabin)	h6 (mm)	1970 ³⁾	1970 ³⁾	2075 ³⁾	1970 ³⁾	2075 ³⁾	2075 ³⁾	
4.8		Height of seat/stand-on platform	h7 (mm)	927	927	1032	927	1032	1032	
4.12		Tow coupling height	h10 (mm)	510	510	595	510	570	570	560
4.19		Overall length	l1 (mm)	2688 ¹⁾	2745 ¹⁾	2791 ¹⁾	2858 ¹⁾	2848 ¹⁾	2853 ¹⁾	2954 ¹⁾
4.20		Length to fork face	l2 (mm)	1788 ¹⁾	1845 ¹⁾	1891 ¹⁾	1958 ¹⁾	1948 ¹⁾	1953 ¹⁾	2054 ¹⁾
4.21		Overall width	b1 /b2 (mm)	1083	1083	1083	1155	1083	1155	1155
4.22		Fork dimensions	s/e/l (mm)	40 x 80 x 900	40 x 80 x 900	40 x 80 x 900	45 x 100 x 900	40 x 80 x 900	45 x 100 x 900	45 x 100 x 900
4.23		Fork carriage to DIN 15173, class/form A, B		2A	2A	2A	2A	2A	2A	2A
4.24		Width of fork carriage	b3 (mm)	1040	1040	1040	1040	1040	1040	1040
4.31		Ground clearance, mast	m1 (mm)	79	78	77	84	77	83	83
4.32		Ground clearance, centre of wheelbase	m2 (mm)	114	113	113	119	113	119	118
4.33		Aisle width with pallets 1000 x 1200 across forks	Ast (mm)	3114 ¹⁾	3171 ¹⁾	3212 ¹⁾	3289 ¹⁾	3274 ¹⁾	3279 ¹⁾	3386 ¹⁾
4.34		Aisle width with pallets 800 x 1200 along forks	Ast (mm)	3236 ¹⁾	3293 ¹⁾	3334 ¹⁾	3411 ¹⁾	3396 ¹⁾	3401 ¹⁾	3509 ¹⁾
4.35		Turning radius	Wa (mm)	1455 ¹⁾	1512 ¹⁾	1553 ¹⁾	1625 ¹⁾	1615 ¹⁾	1615 ¹⁾	1719 ¹⁾
4.36	Minimum distance between centres of rotation	b13 (mm)	0	0	0	0	0	0	0	
Performance	5.1	Travel speed, with/without load	km / h	14.6/15.3	14.4/15.3	14.5/15.5	14.2/15.2	14.5/15.4	14.4/15.2	14.4/15.2
	5.2	Lifting speed, with/without load	m/s	0.38/0.55	0.37/0.55	0.37/0.55	0.35/0.55	0.37/0.55	0.35/0.55	0.34/0.55
	5.3	Lowering speed, with/without load	m/s	0.55/0.51	0.56/0.52	0.56/0.52	0.57/0.53	0.56/0.52	0.57/0.53	0.58/0.54
	5.5	Tractive force, with/without load, 60 minutes rating	N	1945/2190	1885/2170	1878/2160	1815/2130	1878/2160	1815/2130	1737/2091
	5.6	Maximum tractive force, with/without load	N	7060/7305	7000/7285	6998/7275	6930/7250	6992/7275	6930/7245	6852/7205
	5.7	Climbing ability, with/without load	%	6/9.9	5.5/9.4	5.4/9.2	4.9/8.7	5.4/9.2	4.9/8.7	4.2/8.0
	5.8	Maximum climbing ability, with/without load,	%	17.1/26.9	15.7/25.6	15.1/25.1	14.3/23.7	15.1/25.1	14.3/23.7	12.9/21.9
	5.9	Acceleration, with/without load (first 10 m)	s	4.8/4.3	4.8/4.4	4.9/4.6	4.9/4.5	4.8/4.3	4.9/4.5	5.1/4.6
	5.10	Service brake		hydr./electr.	hydr./electr.	hydr./electr.	hydr./electr.	hydr./electr.	hydr./electr.	hydr./electr.
	Drive	6.1	Drive motor, 60 minutes rating	kW	2 x 4	2 x 4	2 x 4	2 x 4	2 x 4	2 x 4
6.2		Lift motor, 15% rating	kW	9.0	9.0	9.0	9.0	9.0	9.0	9.0
6.3		Battery according to IEC		43531A	43531A	43531A	43531A	43531A	43531A	43531A
6.4		Battery voltage/rated capacity (5 h)	V/Ah	48/440 ³⁾	48/550 ³⁾	48/700 ³⁾	48/660 ³⁾	48/700 ³⁾	48/700 ³⁾	48/700 ³⁾
6.5		Battery weight (± 5%)	kg	708	856	1118	1015	1118	1118	1118
6.6		Energy consumption rated to VDI cycle	kWh/h	–	–	–	–	–	–	–
Others	8.1	Type of drive control		Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	
	8.2	Working pressure for attachments	bar	180	200	200	220	200	220	250
	8.3	Oil supply for attachment	l/min	20 ⁴⁾	20 ⁴⁾	20 ⁴⁾	20 ⁴⁾	20 ⁴⁾	20 ⁴⁾	20 ⁴⁾
	8.4	Mean noise level at driver's ear	dB (A)	68	68	68	68	68	68	68
	8.5	Tow coupling, design/type DIN, No.		–	–	–	–	–	–	–

1) At 0° tilt angle

2) For additional mast heights refer to page 3

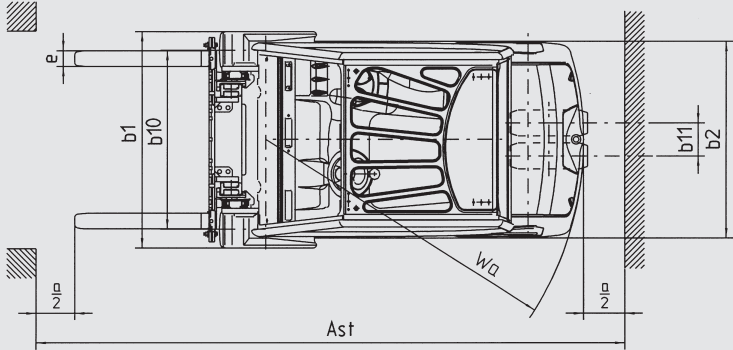
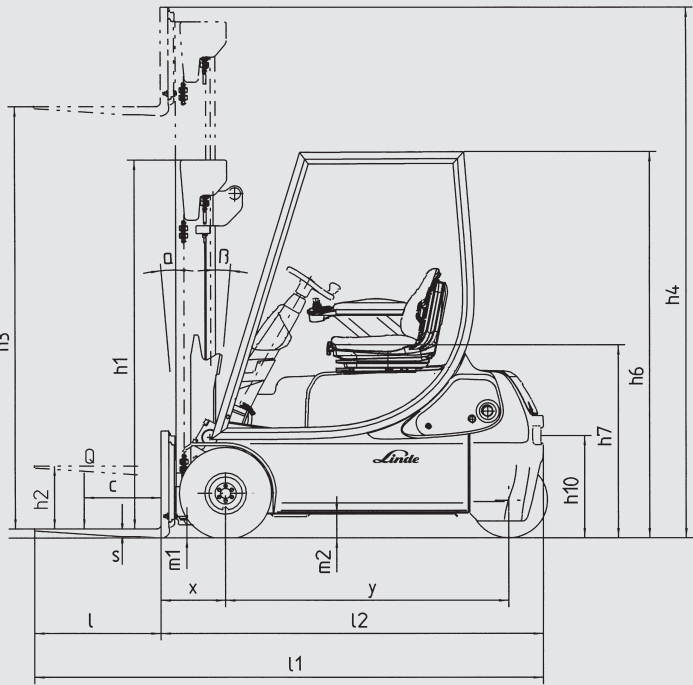
3) Optional other battery capacities available

4) With 150 mm Free lift

5) With lights (3) and (4)

6) At 80% rated pressure

16 x 6 – 8/10 PR



Safety distance a = 200 mm

Standard mast (in mm)	E 14/E16C/E18C	E14...E20P				
Lift	h3	2850	3050	3250	3850	4850
Overall height of mast retracted with free lift	h1	2000	2100	2200	2500	3000
Overall height, extended	h4	3458	3658	3858	4458	5458
Free lift	h2	150	150	150	150	150

Duplex mast (in mm)		E14/E16C/E18C				E14...E20P	
Lift	h3	2770	3070	3770	4170	3070	3770
Overall height of mast retracted with free lift	h1	1925	2075	2425	2625	2075	2425
Overall height, extended	h4	3378	3678	4378	4778	3678	4378
Free lift	h2	1318	1468	1818	2018	1468	1818

Triplex mast (in mm)		E14/E16C/E18C	E14...E20P			
Lift	h3	4020	4470	5470	5920	6220
Overall height of mast retracted with free lift	h1	1925	2075	2475	2625	2725
Overall height, extended	h4	4628	5078	6078	6528	6828
Free lift	h2	1318	1468	1868	2018	2118

Alternative lift heights available on request.



Lifting capacity diagrams

