



Electric Heavy Trucks

E100 – E180

Capacity 10.0 t – 18.0 t | Series 1471

PB

ION

Silent Power Athlete

- Powerful all-electric forklift combining high performance with zero emissions
- Heavy duty transport of loads up to 18000 kg with lift heights up to 9.5 m
- Excellent all-round visibility
- Choice of lead-acid or lithium-ion batteries for maximum flexibility
- Lead-acid batteries offer a highly cost-effective power solution

LOAD CAPACITY

E100/600

H (mm)	Q (kg)						
≤ 7000	10001	10001	10001	9428	8917	8459	8046
c (mm)	600	700	800	900	1000	1100	1200

E120/600

H (mm)	Q (kg)						
≤ 7000	12000	11224	10543	9939	9401	8918	8483
c (mm)	600	700	800	900	1000	1100	1200

E140/600

H (mm)	Q (kg)						
7000	12600	11805	11104	10481	9925	9425	8972
6500	13300	12460	11720	11063	10476	9948	9471
≤ 6000	14000	13116	12337	11646	11028	10472	9969
c (mm)	600	700	800	900	1000	1100	1200

E150/600

H (mm)	Q (kg)						
7000	13500	12648	11897	11230	10634	10098	9613
6500	14250	13350	12558	11854	11225	10659	10147
≤ 6000	15000	14053	13218	12578	11815	11220	10681
c (mm)	600	700	800	900	1000	1100	1200

E160/600

H (mm)	Q (kg)						
7000	14400	13491	12690	11978	11343	10771	10254
6500	15200	14240	13395	12644	11973	11369	10824
≤ 6000	16000	14990	14100	13309	12603	11968	11393
c (mm)	600	700	800	900	1000	1100	1200

E180/600

H (mm)	Q (kg)						
7000	16200	15177	14276	13476	12761	12117	11536
6500	17100	16020	15069	14224	13469	12791	12177
≤ 6000	18000	16864	15862	14973	14178	13464	12818
c (mm)	600	700	800	900	1000	1100	1200

E180/900

H (mm)	Q (kg)						
7000	16200	15360	14603	13917	13293	12722	12198
6500	17100	16214	15414	14690	14031	13429	12876
≤ 6000	18000	17067	16226	15464	14770	14136	13554
c (mm)	900	1000	1100	1200	1300	1400	1500

E100/1200

H (mm)	Q (kg)						
7000	9000	8588	8212	7867	7551	7259	6988
6500	9500	9065	8668	8305	7970	7662	7376
≤ 6000	10000	9542	9124	8742	8390	8065	7765
c (mm)	1200	1300	1400	1500	1600	1700	1800

E120/1200

H (mm)	Q (kg)						
7000	10800	10305	9854	9441	9061	8710	8386
6500	11400	10878	10402	9965	9664	9194	8852
≤ 6000	12000	11451	10949	10490	10068	9678	9317
c (mm)	1200	1300	1400	1500	1600	1700	1800

E140/1200

H (mm)	Q (kg)						
7000	12600	12035	11518	11044	10607	10204	9830
6500	13300	12703	12158	11657	11196	10771	10376
≤ 6000	14000	13372	12798	12271	11786	11337	10922
c (mm)	1200	1300	1400	1500	1600	1700	1800

E150/1200

H (mm)	Q (kg)						
7000	13500	12894	12341	11833	11365	10800	10200
6500	14250	13611	13026	12490	11996	11400	10766
≤ 6000	15000	14327	13712	13147	12628	12000	11333
c (mm)	1200	1300	1400	1500	1600	1700	1800

E160/1200

H (mm)	Q (kg)						
9500	10400	9933	9471	8840	8288	7800	7367
7000	14400	13754	13114	12240	11475	10800	10200
6500	15200	14518	13843	12920	12113	11400	10767
≤ 6000	16000	15282	14571	13600	12750	12000	11333
c (mm)	1200	1300	1400	1500	1600	1700	1800

H = Lifting height, c = Load centre distance, Q = Rated capacity

STANDARD AND OPTIONAL EQUIPMENT

Manufacturer's type designation/equipment		E100 - E180
Safety	Audible reverse alarm (85 dB)	●
	"Operator absent" switch	●
	Truck speed limiting (switch inside cabin)	○
	Overhead guard add-ons for front screen, top and rear window	○
	Forward and reverse camera systems	○
	BlueSpot, TruckSpot, LED-warning lines	○
Digitalisation	Linde connect:ac access control - via PIN	○
	Linde connect:ac access control - via RFID	○
Operation/load handling	Twin pedal control	○
	Single pedal control with direction selection switch in armrest	○
	Linde Load Control for all lift mast functions	●
	Linde Load Weight Indicator (±1000 kg)	●
	Linde Load Weight Indicator (±100 kg)	○
	Electrically powered, forward tilting cabin	●
Environment	Underbody protection	●
	Rear wheel screw protection	○
	Steel mudguards	○
Workplace	Open cabin with armoured glass roof	●
	Deluxe-cabin, with tinted glass, heated rear screen and armoured glass roof	○
	Sun blinds for front and top screen	○
	Colour touch screen display (7")	●
	Adjustable operator's seat with integrated suspension system	●
	Comfort operator's seat with pneumatic suspension and active climate control	○
	Rotating operator's seat (10° or 17° to the right)	○
	Adjustable steering column	●
	Orange lap type seat belt	●
	External rear-view mirrors	●
	Internal rear-view mirror	●
	Heater/Climate control	○
	DAB-radio with MP3, USB, bluetooth and speakerphone	○
	USB charging port	●
	12V socket	●
	Storage space for documents, beverage cans, etc.	●
	Armrest with storage box	●
Document holder	○	
Cup holder	○	
Mast	Standard mast, 2430 - 9500 mm lift height	○
	Duplex full free lift mast, 2580 - 7000 mm lift height	○
	Triplex full free lift mast, 5500 - 8100 mm lift height	○
	Hydraulic accumulator	○
Attachment/forks	Fork carriages: non-hydraulic, hydraulic, multifunction - width b3 = 2545 mm	○
	Fork carriage widths: 3000 mm, 3500 mm, 4000 mm, 4500 mm	○
	Forks: integrated, hook-on, fully tapered - length = 1150 - 2400 mm	○
	Alternative attachments: hydraulically leveling carriage, coil booms, special forks	○
Axles and tyres	Trelleborg or similar premium pneumatic tyres	●
	SE tyres	○
	SE non-marking tyres	○
	Bonfiglioli electric drive axle	●
Lighting	LED working lights	○
	Full road lighting	○
	External step lighting	○
	Safety lighting for on/off access steps	○

● Standard equipment

○ Optional equipment

TECHNICAL DATA (according to VDI 2198)

Characteristics	1.1	Manufacturer (abbreviation)		Linde MH	Linde MH	Linde MH
	1.2	Manufacturer's type designation		E100/600	E120/600	E140/600
	1.2a	Series		1471	1471	1471
	1.3	Drive		Battery	Battery	Battery
	1.4	Operation		Seat	Seat	Seat
	1.5	Rated capacity/rated load	Q (t)	10.0	12.0	14.0
	1.6	Load centre distance	c (mm)	600	600	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	847	847	884
	1.9	Wheelbase	y (mm)	3000	3000	3000
Weight	2.1	Service weight	kg	22697	22697	23920
	2.2	Axle loading, laden front/rear	kg	26514/6183	29479/5218	34031/3889
	2.3	Axle loading, unladen front/rear	kg	11691/11006	11691/11006	13106/10814
Tyres/chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic
	3.2	Tyre size, front		11.00 × 20/18 PR	11.00 × 20/18 PR	12.00 × 20/20 PR
	3.3	Tyre size, rear		11.00 × 20/18 PR	11.00 × 20/18 PR	12.00 × 20/20 PR
	3.5	Wheels, number front/rear (× = driven wheels)		4x/2	4x/2	4x/2
	3.6	Tread, front	b10 (mm)	1874	1874	1874
	3.7	Tread, rear	b11 (mm)	1970	1970	1970
	Dimensions	4.1	Mast/fork carriage tilt, forward/backwards	α/β (°)	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾
4.2		Mast height, lowered	h1 (mm)	3404 ²⁾	3404 ²⁾	3736 ²⁾
4.3		Free lift	h2 (mm)	150	150	150
4.4		Lift	h3 (mm)	4000	4000	4000
4.5		Mast height, extended	h4 (mm)	5329	5329	5661
4.7		Height of overhead guard (cabin)	h6 (mm)	3010	3010	3035
4.8		Seat height relating to SIP/stand height	h7 (mm)	1974	1974	2004
4.12		Coupling height	h10 (mm)	550	550	580
4.19		Overall length	l1 (mm)	5784	5784	5766
4.20		Length to fork face	l2 (mm)	4584	4584	4566
4.21		Overall width	b1/b2 (mm)	2530/2300	2530/2300	2565/2300
4.22		Fork dimensions DIN ISO 2331	s/e/l (mm)	90/200/1200	90/200/1200	100/200/1200
4.23		Fork carriage ISO 2328, class/type A, B		Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.
4.24		Fork carriage width	b3 (mm)	2545	2545	2545
4.25		Fork spread	b5 (mm)	610/2274	610/2274	620/2220
4.31		Ground clearance, laden, below mast	m1 (mm)	172	172	200 ³⁾
4.32		Ground clearance, centre of wheelbase	m2 (mm)	346	346	376
4.33		Load dimension b12 × l6	b12 × l6 (mm)	-	-	-
4.34		Aisle width predetermined load dimensions	Ast (mm)	-	-	-
4.34.1		Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	6149 ³⁾	6149 ³⁾	6186 ³⁾
4.34.2		Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	6349 ³⁾	6349 ³⁾	6386 ³⁾
4.35	Turning radius	Wa (mm)	4102	4102	4102	
4.36	Inside turning radius	b13 (mm)	1362	1362	1362	
Performance data	5.1	Travel speed, laden/unladen	km/h	18/20	18/20	18/20
	5.2	Lifting speed, laden/unladen	m/s	0.39/0.39	0.39/0.39	0.39/0.39
	5.3	Lowering speed, laden/unladen	m/s	0.5/0.49	0.5/0.49	0.5/0.49
	5.5	Drawbar pull, laden/unladen	N	106000	106000	106000
	5.7	Gradeability, laden/unladen	%	n.A.	n.A.	n.A.
	5.9	Acceleration time, laden/unladen	s	n.A.	n.A.	n.A.
Electric-engine	6.1	Drive motor rating S2 60 min	kW	4 × 18	4 × 18	4 × 18
	6.2	Lift motor rating at S3 15%	kW	3 × 25	3 × 25	4 × 25
	6.3	Battery according to DIN 43531/35/36 A, B, C, no		43 536 A	43 536 A	43 536 A
	6.4	Battery voltage/nominal capacity K 5	(V)/(Ah) o. kWh	2x 80/930	2x 80/930	2x 80/930
	6.4.a	Battery energy content	kWh	2x 59.52	2x 59.52	2x 59.52
	6.5	Battery weight (±5%)	kg	2x 2178	2x 2178	2x 2178
	6.6	Energy consumption according to DIN EN 16796	kWh/h	n.A.	n.A.	n.A.
Additional data	10.1	Operating pressure for attachments	bar	250	250	250
	10.2	Oil flow for attachments	l/min	5-130	5-130	5-130
	10.7	Sound pressure level LpAZ (at the operator's seat)	dB(A)	70	70	70
	10.8	Towing coupling, design/type, DIN		Ø 50 mm	Ø 50 mm	Ø 50 mm
	11.2	Static stability		2.28	1.9	1.56

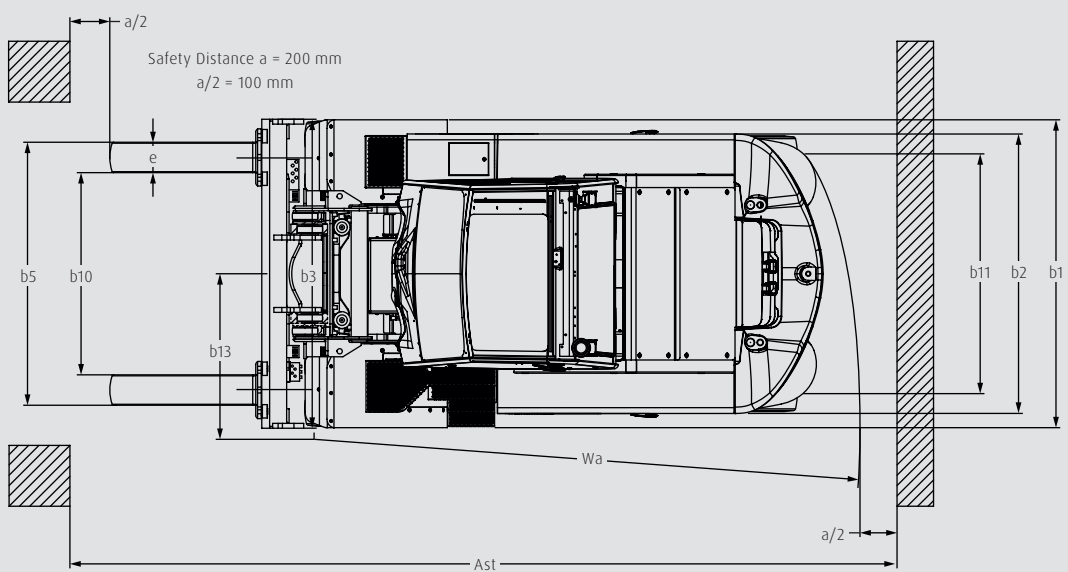
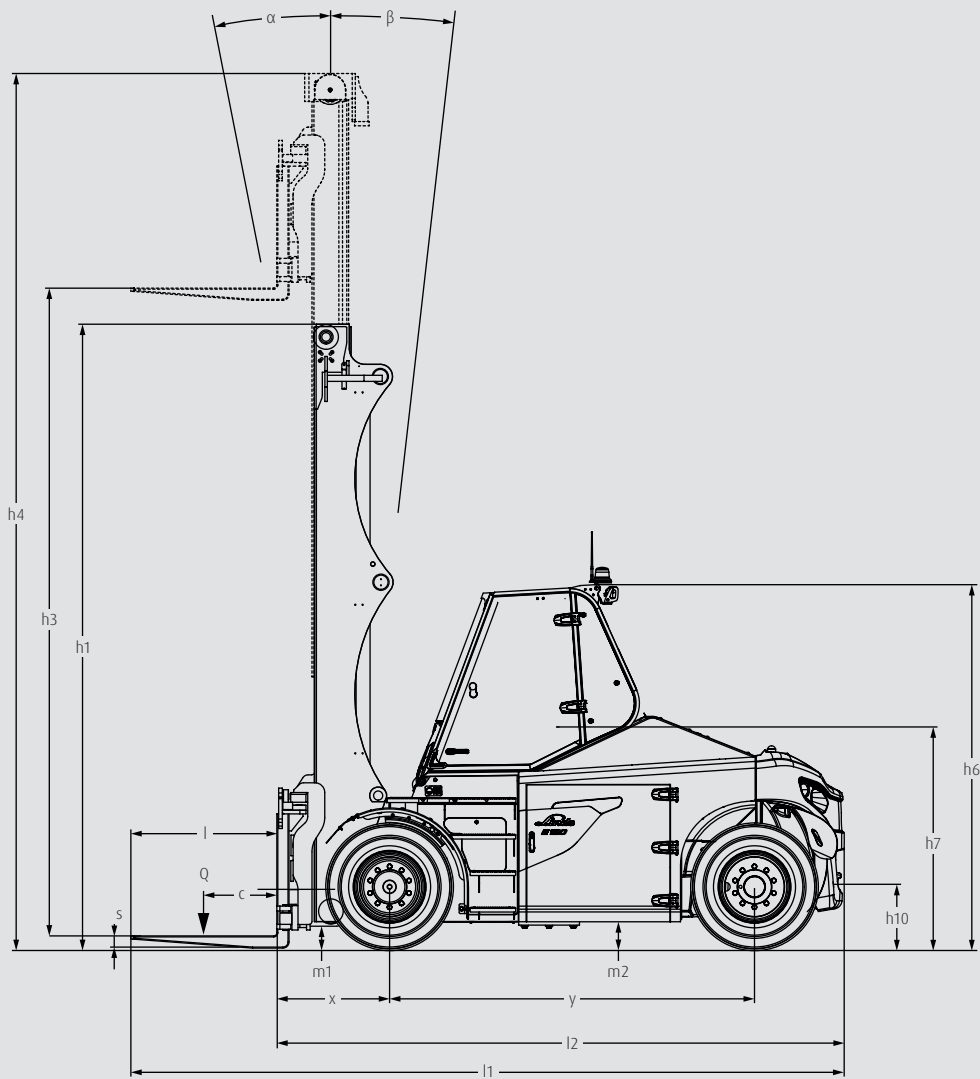
1) Interlock at 5° forward tilt angle

2) With 150 mm free lift

3) Including a 200 mm (min.) operating aisle clearance

4) Ground clearance to chassis is 287 mm

	Linde MH	Linde MH	Linde MH	Linde MH	Linde MH	Linde MH	Linde MH	Linde MH	Linde MH
	E150/600	E160/600	E180/600	E180/900	E100/1200	E120/1200	E140/1200	E150/1200	E160/1200
	1471	1471	1471	1471	1471	1471	1471	1471	1471
	Battery	Battery	Battery	Battery	Battery	Battery	Battery	Battery	Battery
	Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat	Seat
	15.0	16.0	18.0	18.0	10.0	12.0	14.0	15.0	16.0
	600	600	600	900	1200	1200	1200	1200	1200
	884	884	884	929	884	884	929	929	929
	3250	3250	3250	3500	3000	3250	3250	3500	3500
	23213	24731	25961	27345	24062	24457	26483	26877	27362
	35052/3161	36859/3872	39574/4387	41539/3806	30317/3745	33322/3135	37245/3238	38276/3601	39866/3496
	13203/10010	13553/11178	13355/12606	14133/13212	13370/10692	13627/10830	14074/12409	14152/12725	14133/13229
	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
	12.00 × 20/20 PR	12.00 × 20/20 PR	12.00 × 20/20 PR	12.00 × 20/20 PR	12.00 × 20/20 PR	12.00 × 20/20 PR	12.00 × 20/20 PR	12.00 × 20/20 PR	12.00 × 20/20 PR
	12.00 × 20/20 PR	12.00 × 20/20 PR	12.00 × 20/20 PR	12.00 × 20/20 PR	12.00 × 20/20 PR	12.00 × 20/20 PR	12.00 × 20/20 PR	12.00 × 20/20 PR	12.00 × 20/20 PR
	4x/2	4x/2	4x/2	4x/2	4x/2	4x/2	4x/2	4x/2	4x/2
	1874	1874	1874	1874	1874	1874	1874	1874	1874
	1970	1970	1970	1970	1970	1970	1970	1970	1970
	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾	15.0/10.0 ¹⁾
	3736 ²⁾	3736 ²⁾	3736 ²⁾	3736 ²⁾	3736 ²⁾	3736 ²⁾	3736 ²⁾	3736 ²⁾	3736 ²⁾
	150	150	150	150	150	150	150	150	150
	4000	4000	4000	4000	4000	4000	4000	4000	4000
	5661	5661	5661	5661	5661	5661	5661	5661	5661
	3035	3035	3035	3035	3035	3035	3035	3035	3035
	2004	2004	2004	2004	2004	2004	2004	2004	2004
	580	580	580	580	580	580	580	580	580
	6016	6016	6171	7066	6984	7216	7416	7666	7666
	4816	4816	4971	5266	4584	4816	5016	5266	5266
	2565/2300	2565/2300	2565/2300	2565/2300	2565/2300	2565/2300	2565/2300	2565/2300	2565/2300
	100/200/1200	100/200/1200	100/200/1200	100/250/1800	100/200/2400	100/200/2400	100/250/2400	100/250/2400	100/250/2400
	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.	Hyd Fork Posn.
	2545	2545	2545	2545	2545	2545	2545	2545	2545
	620/2220	620/2220	620/2220	720/2290	620/2220	620/2220	720/2290	720/2290	720/2290
	200 ⁴⁾	200 ⁴⁾	200 ⁴⁾	200 ⁴⁾	200 ⁴⁾	200 ⁴⁾	200 ⁴⁾	200 ⁴⁾	200 ⁴⁾
	376	376	376	376	376	376	376	376	376
	-	-	-	2000 × 1800	2000 × 2400	2000 × 2400	2000 × 2400	2000 × 2400	2000 × 2400
	-	-	-	7683 ³⁾	7586 ³⁾	7822 ³⁾	8041 ³⁾	8283 ³⁾	8283 ³⁾
	6422 ³⁾	6422 ³⁾	6596 ³⁾	-	-	-	-	-	-
	6622 ³⁾	6622 ³⁾	6796 ³⁾	-	-	-	-	-	-
	4338	4338	4512	4754	4102	4338	4512	4754	4754
	1405	1405	1405	1448	1362	1405	1405	1448	1448
	18/20	18/20	18/20	18/20	18/20	18/20	18/20	18/20	18/20
	0.39/0.39	0.39/0.39	0.39/0.39	0.39/0.39	0.39/0.39	0.39/0.39	0.39/0.39	0.39/0.39	0.39/0.39
	0.5/0.49	0.5/0.49	0.5/0.49	0.5/0.49	0.5/0.49	0.5/0.49	0.5/0.49	0.5/0.49	0.5/0.49
	106000	106000	106000	106000	106000	106000	106000	106000	106000
	n.A.	n.A.	n.A.	n.A.	n.A.	n.A.	n.A.	n.A.	n.A.
	n.A.	n.A.	n.A.	n.A.	n.A.	n.A.	n.A.	n.A.	n.A.
	4 × 18	4 × 18	4 × 18	4 × 18	4 × 18	4 × 18	4 × 18	4 × 18	4 × 18
	4 × 25	4 × 25	4 × 25	4 × 25	4 × 25	4 × 25	4 × 25	4 × 25	4 × 25
	43 536 A	43 536 A	43 536 A	43 536 A	43 536 A	43 536 A	43 536 A	43 536 A	43 536 A
	2x 80/1240	2x 80/1240	2x 80/1240	2x 80/1240	2x 80/930	2x 80/1240	2x 80/1240	2x 80/1240	2x 80/1240
	2x 79.36	2x 79.36	2x 79.36	2x 79.36	2x 59.52	2x 79.36	2x 79.36	2x 79.36	2x 79.36
	2x 2785	2x 2785	2x 2785	2x 2785	2x 2178	2x 2785	2x 2785	2x 2785	2x 2785
	n.A.	n.A.	n.A.	n.A.	n.A.	n.A.	n.A.	n.A.	n.A.
	250	250	250	250	250	250	250	250	250
	5-130	5-130	5-130	5-130	5-130	5-130	5-130	5-130	5-30
	70	70	70	70	70	70	70	70	70
	Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm	Ø 50 mm
	1.46	1.53	1.53	1.4	1.54	1.41	1.35	1.39	1.36



MAST TABLES

STANDARD MAST (in mm)

Series	177													
Lift	h3: 3500		h3: 4000		h3: 4500		h3: 5000		h3: 5500		h3: 6000		h3: 6500	
Height measurements	h1: 3080 h2: 150 h4: 4830	h1#: 3155 h3+s: 3590	h1: 3330 h2: 150 h4: 5530	h1#: 3155 h3+s: 4090	h1: 3580 h2: 150 h4: 5830	h1#: 3655 h3+s: 4590	h1: 3830 h2: 150 h4: 6330	h1#: 3905 h3+s: 5090	h1: 4080 h2: 150 h4: 6830	h1#: 4155 h3+s: 5590	h1: 4330 h2: 150 h4: 7330	h1#: 4405 h3+s: 6090	h1: 4580 h2: 150 h4: 7830	h1#: 4655 h3+s: 6590
Manufacturer's type designation														
E100/600	○		○		○		○		○		○		○	
E120/600	○		○		○		○		○		○		○	

Series	178							
Lift	h3: 3500		h3: 4000		h3: 4500		h3: 5000	
Height measurements	h1: 3410 h2: 150 h4: 5160	h1#: 3485 h3+s: 3600	h1: 3660 h2: 150 h4: 5661	h1#: 3736 h3+s: 4100	h1: 3910 h2: 150 h4: 6160	h1#: 3985 h3+s: 4600	h1: 4160 h2: 150 h4: 6600	h1#: 4235 h3+s: 5100
Manufacturer's type designation								
E100/1200	○		○		○		○	
E120/1200	○		○		○		○	
E140/600	○		○		○		○	
E150/600	○		○		○		○	
E160/600	○		○		○		○	
E180/600	○		○		○		○	

Series	178							
Lift	h3: 5500		h3: 6000		h3: 6500		h3: 7000	
Height measurements	h1: 4410 h2: 150 h4: 7160	h1#: 4485 h3+s: 5600	h1: 4660 h2: 150 h4: 7660	h1#: 4735 h3+s: 6100	h1: 4910 h2: 150 h4: 8160	h1#: 4985 h3+s: 6600	h1: 5160 h2: 150 h4: 8660	h1#: 5235 h3+s: 7100
Manufacturer's type designation								
E100/1200	○		○		○		○	
E120/1200	○		○		○		○	
E140/600	○		○		○		○	
E150/600	○		○		○		○	
E160/600	○		○		○		○	
E180/600	○		○		○		○	

Series	179							
Lift	h3: 3500		h3: 4000		h3: 4500		h3: 5000	
Height measurements	h1: 3410 h2: 150 h4: 5160	h1#: 3485 h3+s: 3600	h1: 3660 h2: 150 h4: 5661	h1#: 3736 h3+s: 4100	h1: 3910 h2: 150 h4: 6160	h1#: 3985 h3+s: 4600	h1: 4160 h2: 150 h4: 6600	h1#: 4235 h3+s: 5100
Manufacturer's type designation								
E140/1200	○		○		○		○	
E150/1200	○		○		○		○	
E160/1200	○		○		○		○	
E180/900	○		○		○		○	

Series	179							
Lift	h3: 5500		h3: 6000		h3: 6500		h3: 7000	
Height measurements	h1: 4410 h2: 150 h4: 7160	h1#: 4485 h3+s: 5600	h1: 4660 h2: 150 h4: 7660	h1#: 4735 h3+s: 6100	h1: 4910 h2: 150 h4: 8160	h1#: 4985 h3+s: 6600	h1: 5160 h2: 150 h4: 8660	h1#: 5235 h3+s: 7100
Manufacturer's type designation								
E140/1200	○		○		○		○	
E150/1200	○		○		○		○	
E160/1200	○		○		○		○	
E180/900	○		○		○		○	

h1: Height of mast, lowered

h1#: Height of mast with free lift

h2: Free lift

CHARACTERISTICS



Best in class all-round visibility

Safety

- Excellent all-round visibility guarantees maximum safety in operation
- Armoured glass roof ensures unobstructed visibility and safety when stacking loads
- Audible reverse alarm warns co-workers of truck operation
- Optional equipment e.g. cameras, BlueSpots and LED warning lines increase safety around the truck



Spacious and comfortable driver's work station

Ergonomics

- Ergonomic workplace enhances operator comfort and reduce fatigue
- Precise operation of electric drive train guarantees efficient, stress-free working
- Linde Load Control ensures low effort and high handling accuracy
- Healthy, comfortable workplace due to low noise and zero-emissions



Linde Double Pedal for precise and efficient handling

Handling

- Intuitive and predictable operating behaviour aids productivity
- Precise and direct steering
- Responsive and precise hydraulic performance ensures accurate operation
- Dynamic acceleration supports outstanding handling comfort



Service access through tiltable cabin

Service

- Electric cabin tilt function facilitates access to all central components
- Well-proven Linde standard components simplifies repairs
- Quick, easy battery change reduces downtime
- Simple, fast changeover from lead-acid to lithium-ion in truck software

Subject to modification in the interest of progress. Illustrations and technical details could include options and are not binding for actual constructions. All dimensions subject to usual tolerances.



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