Standard Equipment/Optional Equipment

Standard Equipment

- Linde hydrostatic power steering
- Linde twin accelerator pedals for all vehicle movements
- Armrest with Linde Load Control
- 2 x 11 kW maintenance free AC drive motors
- 2 x 21 kW maintenance free AC lift motor
- Graphic display of battery operating time (hh:min)
- Standard monitoring of battery door
- Automatic parking brake
- Dual motor drive
- Proportional reduction of travel speed when cornering (Linde Curve Assist)
- Seamless electronic control of all traction and hydraulic movements
- Hydraulically cushioned full suspension operator's seat with armrest
- Comprehensive digital instrument display
- Generous storage facilities for writing materials etc.
- Superelastic tyres
- Three different modes providing the perfect combination of performance and efficiency

Mast

- Clearview standard mast = 3,850 mm (E60), 3,450 mm (E70-80), 3,050 mm (E80/900)
- Fork carriage width: 1,650 mm to 2,180 mm
- Fork length 1,200 mm (E60-80), 1,800 mm (E80/900)

Optional Equipment

- Single pedal accelerator with forward/reverse selector in the armrest
- Alternative fork length
- Alternative fork carriage widths
- Charging on rear side with active ventilation
- Load backrest
- One, two or three additional hydraulic circuits for attachments
- Polycarbonate top screen on overhead guard, modular cabin design up to full cabin
- Top screen in bullet proofed glass
- Heating (with pollen protection filter)
- Radio with speakers
- Fabric covered comfort seat
- Super-comfort seat with air suspension, heater and backrest extension
- Individual or single hydraulic control joystick
- Truck lighting
- Working lamps with LED technology
- Flashing beacon/rotating beacon
- Audible reversing alarm
- External, internal and panoramic mirror
- Clipboard with LED illumination
- Alternative custom paintwork
- Linde Connected Solution (Connect:)
- Alternative tyre types
- Electrical socket 12 V
- BlueSpot™

Other options available on request

Electric Counterbalanced Trucks
Capacity 6000 - 8000 kg
E60, E70, E80, E80/900

Series 1279

Linde Material Handling

Safety

Handling loads up to 8 tons has safety as top priority. The overhead guard forms a strong and completely enclosed protective zone providing optimum structural integrity, safety and protection to the operator. The unique mast design with its slim profiles enables an outstanding visibility and safety on load handling.

Performance

A large E-truck is expected to have a high performance traction system. Two powerful motors, maintenance-free brakes and an intelligent electronic control form an impressive power pack to deliver the highest level of productivity on heavy loads. The sensitive control and the maximum speed of 16 km/h with and without load ensure a high handling rate.

Comfort

Working efficient for extended periods is only possible, if the operator feels comfortable. The ergonomic layout of all the controls, the adjustability of the armrest and seat, Linde Load Control, twin accelerator pedals and the innovative decoupling of the driver's cab provide the best possible intuitive interface between truck and operator.

Reliability

An electric forklift truck depends on reliable electronic systems. The Linde electronic control system provides a high level of reliability because of its dual circuit monitoring system and the sealed aluminium housing, which provides total protection for the electronics from the ingress of dust and moisture. With the aid of the diagnosis tool, the vehicle is rapidly adaptable for individual needs.

Productivity

Effective in operation, efficient in reducing costs: The unique Linde energy management system ensures intelligent and economical energy consumption. A display showing the remaining driving time indicates the expected number of minutes the operator can be driving the forklift truck before changing or recharging the battery.

Features

Compact drive axle
- Twin drive design with high performance Linde AC technology
- Automatic parking brake
- Maintenance-free oil-bath vane brake

Ease of servicing
- Simple access to oil filter and oil level gauge
- Fast accessible windscreen washer system and coolant reservoirs

Linde twin accelerator control
- Seamless, rapid reversing without repositioning the feet
- Short pedal travel
- Fatigue-free working
- Increased throughput and performance

Linde Load Control
- Safe and highly efficient load handling
- Precise and effortless fingertip joystick control of all mast functions
- Small tactile joystick integrated in an adjustable armrest

Dual motor drive
- Two powerful AC drive motors integrated in the front axle
- Active steering support through dual motor drive

Linde operator's compartment
- Ergonomic design for efficient, fatigue-free working
- Spacious operator's compartment with generous floor plate area and adjustable seat
- Reduced vibrations due to the innovative concept of decoupling the driver's cab

Clearview mast design
- Excellent view of load and surroundings through the robust and slim mast profiles
- Maximum load capacity up to the highest lifting heights
- Enormous residual capacities

Linde energy management
- Optimized enery consumption
- Accurate battery condition indicator
- Simple horizontal battery changing

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Linde Material Handling

Printed in Germany 07.e.r.11216.indb.ki

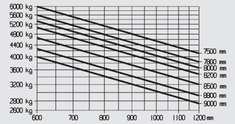
Technical Data according to VDI 2198

Characteristics	1.1	Manufacturer		LINDE	LINDE	LINDE	LINDE
	1.2	Manufacturer's type designition		**E60**	**E70**	**E80**	**E80/900**
	1.2a	Series		1279-00	1279-00	1279-00	1279-00
	1.3	Power unit		Battery	Battery	Battery	Battery
	1.4	Operation		Seat	Seat	Seat	Seat
	1.5	Load capacity/Load	Q (t)	6.0	7.0	8.0	8.0
	1.6	Load centre distance	c (mm)	600	600	600	900
	1.8	Axle centre to fork face	x (mm)	710	720	720	750
	1.9	Wheelbase	y (mm)	2300	2300	2300	2400
Weights	2.1	Service weight	(kg)	12334 [1]	12893 [1]	13970 [1]	15720 [1]
	2.2	Axle load with load, front/rear	(kg)	15975 / 2359 [1]	17879 / 2014 [1]	19665 / 2305 [1]	21483 / 2237 [1]
	2.3	Axle load without load, front/rear	(kg)	6558 / 5776 [1]	6862 / 6031 [1]	7074 / 6896 [1]	7983 / 7737 [1]
Wheels/Tyres	3.1	Tyres rubber, SE, pneumatic, polyurethane		SE	SE twin	SE twin	SE twin
	3.2	Tyre size, front		355/50-20	8.25-15	315/70-15 (300-15)	315/70-15 (300-15)
	3.3	Tyre size, rear		8.25-15	315/70-15 (300-15)	315/70-15 (300-15)	315/70-15 (300-15)
	3.5	Wheels, number front/rear (x = driven)		2x / 2	4x / 2	4x / 2	4x / 2
	3.6	Track width, front	b10 (mm)	1326	1514	1564	1564
	3.7	Track width, rear	b11 (mm)	1406	1396	1396	1396
Dimensions	4.1	Mast/fork carriage tilt, forward/backward	a/b (°)	5.0 / 7.5	5.0 / 7.5	5.0 / 7.5	5.0 / 7.5
	4.2	Height of mast, lowered	h1 (mm)	2890	2888	2888	2885
	4.3	Free lift	h2 (mm)	150	150	150	150
	4.4	Lift	h3 (mm)	3850	3450	3450	3050
	4.5	Height of mast, extended	h4 (mm)	4754	4545	4545	4447
	4.7	Height of overhead guard (cabin)	h6 (mm)	2838	2838	2838	2838
	4.8	Height of seat/stand on platform	h7 (mm)	1705	1705	1705	1705
	4.12	Towing coupling height	h10 (mm)	853	854	854	858
	4.19	Overall length	l1 (mm)	4693	4703	4703	5533
	4.20	Length to fork face	l2 (mm)	3493	3503	3503	3733
	4.21	Overall width	b1/b2 (mm)	1660 / 1616	2004 / 1640	2111 / 1654	2111 / 1654
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	60 x 130 x 1200	70 x 150 x 1200	70 x 150 x 1200	70 x 200 x 1800
	4.23	Fork carriage to ISO 2328, class/type A, B		4A	4A	4A	4A
	4.24	Width of fork carriage	b3 (mm)	1600	1800	2180	2180
	4.31	Ground clearance, below mast	m1 (mm)	228	220	220	220
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	214	210	210	210
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	4910 [2]	4920 [2]	4920 [2]	5155 [2]
	4.34.2	Aisle width with pallet 800 x 1200 along forks	Ast (mm)	5110 [2]	5120 [2]	5120 [2]	5355 [2]
	4.35	Turning radius	Wa (mm)	3000	3000	3000	3205
	4.36	Minimum pivoting point distance	b13 (mm)	877	877	877	930
Performance	5.1	Travel speed, with/without load	(km/h)	16 / 16	16 / 16	16 / 16	16 / 16
	5.2	Lifting speed, with/without load	(m/s)	0.38 / 0.46	0.32 / 0.46	0.3 / 0.46	0.3 / 0.46
	5.3	Lowering speed, with/without load	(m/s)	0.54 / 0.5	0.56 / 0.45	0.56 / 0.45	0.56 / 0.45
	5.6	Maximum tractive force, with/without load	(N)	43000 / 43000	43000 / 43000	43000 / 43000	43000 / 43000
	5.7	Climbing ability, with/without load	(%)	16.4 / 24.6	14.9 / 23.0	13.4 / 21.1	12.2 / 18.4
	5.8	Maximum climbing ability, with/without load	(%)	19.0 / 29.0	18.0 / 27.0	16.0 / 25.0	15.0 / 22.0
	5.9	Acceleration time, with/without load	(s)	5.7 / 5.3	5.9 / 5.5	6.4 / 6.0	7.2 / 6.8
	5.10	Service brake		hydr./mech.	hydr./mech.	hydr./mech.	hydr./mech.
Drive	6.1	Drive motor rating S2 60 min	(kW)	2x 10.5 [3]	2x 10.5 [3]	2x 10.5 [3]	2x 10.5 [3]
	6.2	Lift motor rating at S3 15%	(kW)	2x 21	2x 21	2x 21	2x 21
	6.3	Battery according to DIN 43531/35/36 A,B,C,no		43 536 / A	43 536 / A	43 536 / A	43 536 / A
	6.4	Battery voltage/rated capacity (5h)	(V)/(Ah)	80 / 1240	80 / 1240	80 / 1240	80 / 1240
	6.5	Battery weight (± 5%)	(kg)	2785	2785	2785	2785
	6.6	Power consumption according to VDI cycle	(kWh/h)	15.9	16.7	18.3	21
Others	10.1	Operating pressure for attachments	(bar)	265 + 5	265 + 5	265 + 5	265 + 5
	10.2	Oil flow for attachments	(l/min)	85	85	85	85
	10.7	Sound pressure level LpAZ (at the driver's seat)	(dB(A))	<65	<65	<65	<65

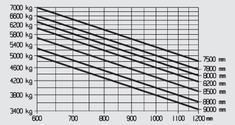
1) Figures with battery, see line 6.4/6.5.
2) Including a 200 mm (min.) operating aisle clearance.
3) Power consumption with 45 working cycles per hour see 6.6

Load Capacity Diagrams

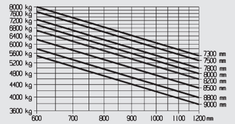
E60



E70



E80



E80/900