

## Standard Equipment

### New standard features

- P60A tractors
- 6KW AC drive motor
- 48V 325Ah lead-acid battery
- Quick and easy battery side change
- Adjustable electrical steering
- Adjustable Comfort seat
- Suspension Chassis design
- Inching control button

### General

- SE tyres
- Key switch
- Single pedal accelerator and direction lever
- Rear multi-position towing coupling
- LED light
- Audible warning in reverse
- Storage
- Cup Holder

### Safety

- Three independent braking systems
- Regenerative electric braking as accelerator released
- Car version parking brake
- Constant speed on gradients
- Emergency circuit isolator
- Electric horn
- Electrical overload protection for motor/controller temp
- Digital Control system incorporating CAN bus technology

## Options Equipment

- Comfort seat with mechanical suspension:
- 48V 325Ah lead-acid battery
- Traction pin release device
- Flash beacon
- Full cabin
- Rear mirror
- Fire extinguisher
- Carrier for batteries



## Electric Tow Tractor

CAPACITY 6000 kg

P60A 8910

### Safety

Linde Electric Tow Tractor designed with a heavy-duty steel chassis, and provide 3 independent braking system, Seat safety switch, Emergency button, Regenerative electric braking, High brightness LED design to gives the driver a safety feeling during drive the tractor.

### Performance

A powerful 6 kW sealed AC drive motor for impressive pulling power. Equipped the Inching button, Multi-position towing coupling and Rear carrying platform to deliver consistently high efficiency and productivity ratios in a wide range of material handling applications. Electrical Power Steering designed with the Advanced controllers to gives the operating of truck more safety and easily.

### Reliability

Reliable, Stable chassis design gives the truck more stable. CANbus communication reduces wiring and electrical connections, AC motortechnology no more commutating brushes, All LED lights

design, and the key component conducted a rigorous testing to ensure the reliability and extend lifetime of the truck.

### Comfort

Comfortable driving space is ensured with ergonomic. Large diameter steering wheel designed with EPS, Ergonomic pedal layout design, Comfort seat designed with suspension Chassis, to makes driving more comfortable, and avoid the fatigue caused by long driving time. Both steering wheel and seat can be adjusted.

### Service

Reasonable layout of the interior space, more convenient and efficient to maintain. Full swing out service compartment doors, Quickly-release dashboard gives complete access to componentry Long maintenance intervals, greatly reducing maintenance cost and time.

## Features

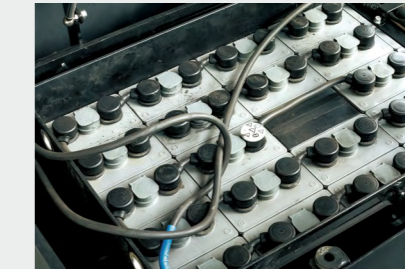
### Superb working environment

- Low step height for easy on/off access
- Superbly spacious and ergonomic driver's compartment
- EPS, Comfortable seat designed with suspension chassis gives driver more comfortable.



### Reliable

- Reliable chassis designed and built for maximum strength and durability
- EPS designed with the Advanced controllers give a smooth, precision control of travel and manoeuvring.
- Delivers optimum versatility and efficiency to the 6 kW AC drive motor



### Battery and chargers

- 48V DIN batteries up to 325 Ah capacity
- Efficient and safe side changing design

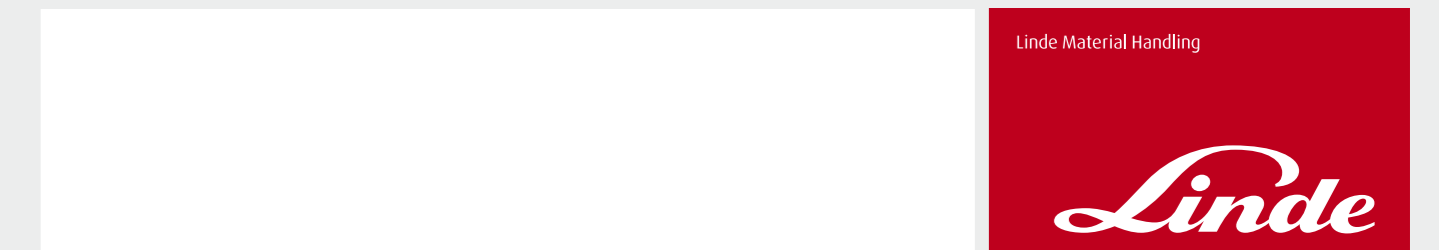


### Servicing

- Maintenance-free AC traction Motors technology
- Easy service access

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

8910\_P60A\_D-01\_201909



## Technical Data

Characteristics	1.1	Manufacturer		Linde
	1.2	Model designation		<b>P60A</b>
	1.3	Power unit		Battery
	1.4	Operation		Seated
	1.5	Load capacity	Q (t)	
Weights	1.7	Rated tractive force	F (N)	1500 <sup>1)</sup>
	1.9	Wheelbase	Y (mm)	1005 <sup>4)</sup>
	2.1	Service weight	kg	1250 <sup>2)</sup>
	2.3	Axle load without load, front/rear	kg	570/ 680
	3.1	Tyres rubber, SE, pneumatic, polyurethane		SE
Tyres	3.2	Tyre size, front		4.00-8
	3.3	Tyre size, rear		4.00-8
	3.5	Wheels number, front / rear (x=driven)		1/2x
	3.6	Track width, front		
	3.7	Track width, rear	b10 (mm)	
Dimensions	4.7	Height of overhead guard (cabin)	h6 (mm)	1310 <sup>4)</sup>
	4.8	Height of seat / stand on platform	h7 (mm)	926 <sup>4)</sup>
	4.12	Towing coupling height	h10 (mm)	223/296/369 <sup>3)</sup>
	4.13	Platform height, unladen	h11 (mm)	550
	4.16	Loading platform, length	l3 (mm)	370
	4.17	Rear overhang	l5 (mm)	522 <sup>9)</sup>
	4.18	Loading platform, width	b9 (mm)	700 <sup>9)</sup>
	4.19	Overall length	l1 (mm)	1925 <sup>9)</sup>
	4.21	Overall width	b1/b2 (mm)	1010 <sup>9)</sup>
	4.32	Ground clearance, center wheelbase	m2 (mm)	150
Performances	4.35	Turning radius	Wa (mm)	1660 <sup>9)</sup>
	4.36	Minium pivoting point distance	b13 (mm)	580
	5.1	Travel speed, with / without load	km/h	7/17
	5.5	Drawbar pull, with / without load	N	1500
	5.6	Maximum drawbar pull, with/without load	%	4500 <sup>1)</sup>
Drive	5.7	Climbing ability, with/without load		See performance graph
	5.8	Maximum climbing ability, with/without load	%	See performance graph
	5.10	Service brake		Electric/hydraulic
	6.1	Drive motor (60 minute rating)	kW	6
	6.3	Battery according to DIN 43531 / 35 / 36 A, B, C, no		43531 / A
Others	6.4	Battery voltage / rated capacity (5h)	V/ Ah	48/275
	6.5	Battery weight (±5%)	kg	481
	8.1	Type of drive control		AC
	10.7	Noise level at operator's ear	dB (A)	70

Figures for standard version may vary when optional equipment is fitted.

- 1) Base on level, dry surface with rolling resistance of 200N/t.  
Refer to graph opposite for specific operating conditions and when the application involves inclines or ramps.
  - 2) (±10kg)
  - 3) Towing coupling height adjusted to 268/341/414 mm
  - 4) (± 5 mm)
- The definition of parameters mentioned above see VDI 2198

