

Safety

The heavy duty chassis and cab module provide assured protection for the operator while three independent braking systems deliver responsive stopping power for all situations including automatic speed control descending gradients.

A low centre of gravity ensures outstanding stability.

Performance

With a nominal towing capacity of 25.0 tonne and unladen traction speed of 25 km/h the P 250 offers flexible high performance which is optimised by the Linde digital AC control system that provides precise, energy saving control of acceleration and speed for high productivity. The curved front screen and profiled chassis ensures excellent manoeuvrability.

Comfort

A low step facilitates access to spacious operator's cabin where the automotive layout of the pedals, direction lever, steering wheel and controls, together with a fully adjustable suspension seat provides a comfortable and fatigue-free working environment. Cab suspension dampers and a spring damped suspension system front and rear ensures superb levels of driving comfort.



Reliability

Designed for intensive heavy duty applications the rugged, robot-welded chassis is constructed from heavy section steel plate for optimum torsional stiffness and rounded corners for high resistance to impacts. All key components are protected within the chassis while electronic components are housed in sealed aluminium enclosures for assured reliability and long life.

Productivity

Two powerful, high torque 10 kW AC drive motors provide impressive pulling power for a variety of intensive applications. The energy saving Linde AC digital controller combined with excellent manoeuvrability and an intuitive interface between the operator and tractor, translates that power into versatile, seamless performance and high productivity.

Technical data (according to VDI 2198)

	1.1	Manufacturer			LINDE	
Characteristics	1.2	Model designation			P 250 (SWB)	P 250 (LWB)
	1.3	Power unit: battery, diesel, petrol, LP gas, mains power			Battery	Battery
	1.4	Operation: manual, pedestrian, stand-on, seated, order picker			Seated	Seated
	1.5	Towed load capacity		Q (t)	25 1)	25 ¹⁾
	1.7	Rated drawbar pull		F (N)	5000 1)	5000 1)
	1.9	Wheelbase		y (mm)	1465	1900
+_	2.1	Service weight		kg	3800	4800
Weight	2.2	Axle load with load, front/rear		kg	2000/2100	2600/2500
\$	2.3	Axle load without load, front/rear		kg	1900/1900	2500/2300
Wheels and tyres	3.1	Tyres, front/rear (SE = CS superelastic, P = pneumatic)			P/P ²⁾	P/P ²⁾
	3.2	Tyre size, front			6.00 R9	6.00 R9
	3.3	Tyre size, rear			7.00 R12	7.00 R12
els a	3.5	Wheels, number front/rear (x = driven)			2/2x	
Whe	3.6	Track width, front		b10 (mm)	1080	1080
	3.7	Track width, rear		b11 (mm)	1020	1020
	4.7	Height of overhead guard (cabin)		h6 (mm)	1820	1820
	4.8	Height of seat/stand-on platform		h7 (mm)	745	745
	4.12	Towing coupling height		h10 (mm)	240, 295, 350, 405	240, 295, 350, 405
	4.13	PLatform height, without load		h11 (mm)	1000	1000
	4.16	Loading platform, length		13 (mm)	1520	1955
Sions	4.17	Rear overhang		 5 (mm)	615	615
Dimensions	4.18	Loading platform, width		b9 (mm)	1170 (1120 at rear)	1170 (1120 at rear)
	4.19	Overall length			3045	3480
	4.21	Overall width		b1 (mm)	1300	1300
	4.32	Ground clearance, centre of wheelbase		m2 (mm)	150	150
	4.35	Turning radius		Wa (mm)	2830	3280
	4.36	Minimum pivoting point distance		b13 (mm)	935	1095
	5.1	Travel speed, with/without rated drawbar pull		km/h	11/25	11/25
a a	5.5	Drawbar pull at 60 minute rating		N	5000	5000
formance	5.6	Maximum drawbar pull (on level ground)		N	16000 1)	16000 1)
rforr	5.7	Climbing ability with/without load, 30 minute rating		0/0	See graph	See graph
Per	5.8	Maximum climbing ability, with/without load, 5 minute rating		0/0	See graph	See graph
	5.10	Service brake			Hydraulic/electric	Hydraulic/electric
	6.1	Drive motor, 60 minute rating		kW	2x10	2x10
	6.3	Battery according to DIN 43531/35/36 A, B, C, no			DIN 43536A	DIN 43536A
Drive	6.4	Battery voltage/rated capacity (5h)		V/Ah	80/560	80/840
	6.5	Battery weight	(± 0,5 %)	kg	1558	2178
	6.6	Power consumption according to VDI cycle		kWh/h	3)	3)
	8.1	Type of drive control			AC-microprocessor	AC-microprocessor
Other	8.4	Noise level at operator's ear		dB (A)	3)	3)
	8.5	Tow coupling, design/type, DIN			3)	3)

Based on level, dry surface with rolling resistance of 200 N/t.
 Refer to graph opposite for specific operating conditions and when the application involves inclines or ramps.
 Contoured solid (superelastic) tyres are available.
 Refer to manufacturer for figures.

Equipment

Standard equipment

General
Four wheel configuration
Pneumatic tyres
Tractor without cab
Left or right hand drive steering position
Adjustable steering column
Comprehensive integrated display
Single pedal accelerator and direction lever
Full suspension PVC driver's seat
Non-suspension PVC passenger seat
Hydrostatic power steering
Front and rear screen wipers/washers (with optional cab
version)
Two exterior mirrors
Interior mirror
Interior light
Interior light Remote inching control
Remote inching control
Remote inching control Automatic single position, rear towing coupling
Remote inching control Automatic single position, rear towing coupling Trailer lighting socket
Remote inching control Automatic single position, rear towing coupling Trailer lighting socket Dual circuit hydraulic disc brakes on all four wheels
Remote inching control Automatic single position, rear towing coupling Trailer lighting socket Dual circuit hydraulic disc brakes on all four wheels Integrated in drive axle with no differential required

Standard colour scheme - vermilion and charcoal grey

Electronics

80 V circuit

2 x 10 kW maintenance free AC drive motors

Advanced Linde AC digital controller

Precise control of speed and acceleration

Highly efficient energy saving system

Programmable performance parameters

Batteries and chargers

P 250 SWB – 80 V, 400 to 560 Ah to IEC
P 250 LWB – 80 V, 600 to 840 Ah to IEC
Easy vertical lift out battery change
A range of chargers is available to suit application and

main supply requirements

Safety

Three independent braking systems

Hydraulic disc brakes (front) external disc brakes (rear) Regenerative electric braking as accelerator pedal is

released

Superb regenerative braking control on gradients

Electric push-button parking brake

Keyswitch

Emergency circuit isolator

Fail-to-safe circuitry

Traction isolated by seatswitch and/or parking brake

Electrical overload protection Comprehensive warning lights

Electric horn

Full road lighting

Excellent all-round visibility

Driver's cab with safety glass

Optional equipment

Cab with flexible roll up sides
Cab without sides
Cab with sliding or hinged doors
Rear lights mounted high at rear of cab
Flashing or rotating beacon on cab
Reverse warning beeper
Contoured solid (superelastic) tyres

Towing couplings:

- Automatic single position, front and/or rear
- Automatic single position, remote, rear
- Multi-position, front and/or rear

240 mm rear coupling extension

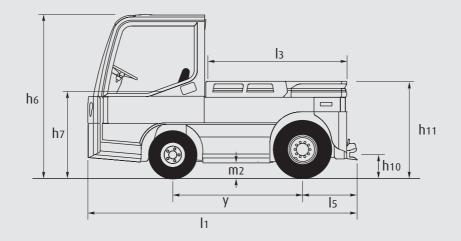
Electric or diesel heater and demister

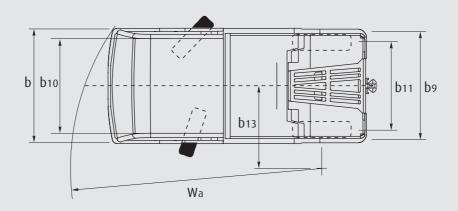
Fabric covered seats

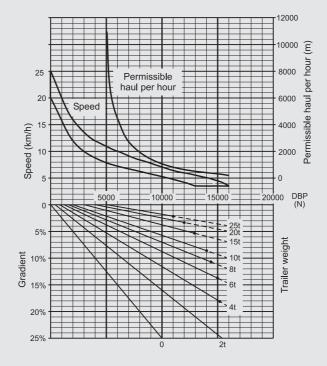
Heated seats

Full suspension passenger seat

Alternative colour schemes







Load/gradient combinaisons shown by full line can be restarted from stationary on the gradient. The permissible haul per hour is the total distance travelled, including the return journey and any downhill gradients.

It is recommended that braked trailers are used for trailer loads exceeding 2.5 tonne and for all trailer loads where a gradient is involved.



Features

Chassis

- → Long and short wheelbase versions
- → Robot welded heavy guage steel plate
- → Maximum torsional resistance and rigidity
- → High impact protection for operator and components
- → Low profile chassis for all-round visibility



Operator's compartment

- → Low step access to spacious cabin
- → Sliding or hinged cabin doors
- → Fully adjustable comfort-class operator's
- → Cabin isolated from chassis by hydraulic dampers
- → Multi-function instrument display

Steering

- → Hydrostatic power steering
- → Effortless manoeuvrability
- → Adjustable steering column
- → Large lock-to-lock angle

Braking

Ergonomics

→ Ergonomic automotive pedal

and control layout

- → Three independent braking systems
- → Electric push-button parking brake
- → Hydraulic disc brakes (front) external disc brakes (rear)
- → Regenerative electric braking as accelerator pedal is released
- → Superb regenerative braking control



Tow coupling

- → Automatic rear towing coupling as standard
- → Optional remote automatic and multi-position couplings
- → Front and rear towing coupling options
- → Stand-off inching control as standard

Drive units

- → Two 10 kW maintenance-free AC drive motors
- → Integrated in drive axle with no differential required
- → Superb traction with anti-slip control
- → Reduced power to inner wheel during cornering
- → High-torque flexibility and performance

Serviceability

- → Hinged rear platform cover
- → Easy access for maintenance and battery
- → CAN bus diagnostic facility for reduced service intervals
- → Multi-function instrument display assists scheduled maintenance planning
- → Maintenance-free AC drive technology



