Features

Chassis

- → Long and short platform versions
- → Robot welded heavy guage steel plate
- ightarrow 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
- → Hinged cabin doors
- → Fully adjustable comfort-class operator's seat
- → Cabin isolated from chassis by hydraulic dampers
- → Ergonomic automotive pedal and control layout
- → Multi-function instrument display



Platform

- → Generously proportioned platform
- ightarrow 2,200 mm or 2600 mm platform length
- → Easily adapted to suit specific applications
- → Optional side panels and rigid covers

Steering

- $\rightarrow {\sf Hydrostatic\ power\ steering}$
- $\rightarrow \text{Effortless manoeuvrability}$
- → Adjustable steering column
- → Large lock-to-lock angle

Braking → Three

Ergonomics

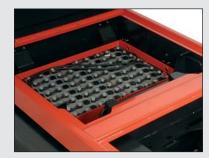
→ Ergonomic automotive pedal

- → 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 on gradients



Drive units

- → Two 2,5 kW maintenance-free AC drive motors
- → Integrated in drive axle with no differential required
- \rightarrow Superb traction with anti-slip control
- → Reduced power to inner wheel during cornering
- → High-torque flexibility and performance



Serviceability

- → 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





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 the dual capability carrying 2 tonne on the platform and towing nominal loads of 4.5 tonne, the W 20 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

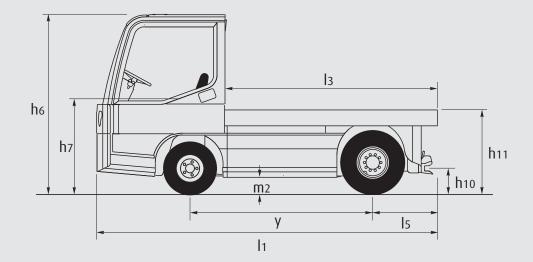
Designed for intensive heavy duty applications the rugged, robot-welded chassis is constructed from heavy section steel plate for optimum torsional stiffness and rounded corners for high resistance to impacts. All key components are protected within the chassis while electronic components are housed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

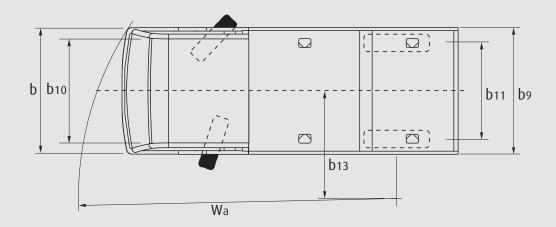
Productivity

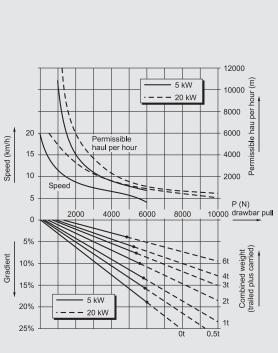
Two powerful, high torque 2.5 kW AC drive motors provide impressive pulling and carrying power for a variety of applications. The energy saving Linde AC digital controller combined with excellent manoeuvrability and an intuitive interface between the operator and tractor, translates that power into versatile, seamless performance and high productivity.

Technical data (according to VDI 2198)

	1.1	Manufacturer		LINDE	
Characteristics	1.2	Model designation		W 20 (2200)	W 20 (2600)
	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	Carried load capacity	Q (t)	2	2
	1.7	Rated drawbar pull, with/without carried load	F (N)	500/9001 - 800/12001	500/9001 - 800/12001
	1.9	Wheelbase	y (mm)	1900	1900
Weight	2.1	Service weight	kg	3100	3200
	2.2	Axle load with load, front/rear	kg	2300/2800	2100/3100
	2.3	Axle load without load, front/rear	kg	1800/1300	1800/1400
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
	3.5	Wheels, number front/rear (x = driven)		2/2x	2/2x
	3.6	Track width, front	b10 (mm)	1080	1080
	3.7	Track width, rear	b11 (mm)	1020	1020
Dimensions	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, minimum/maximum	h10 (mm)	240, 295, 350, 405	240, 295, 350, 405
	4.13	PLatform height, without load	h11 (mm)	840	840
	4.16	Loading platform, length	13 (mm)	2200	2600
	4.17	Rear overhang	15 (mm)	730	1130
	4.18	Loading platform, width	b9 (mm)	1300	1300
	4.19	Overall length	l1 (mm)	3530	3930
	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)	3280	3280
	4.36	Minimum pivoting point distance	b13 (mm)	1095	1095
Performance	5.1	Travel speed, with/without carried load	km/h	15/20 - 20/25	15/20 - 20/25
	5.5	Drawbar pull at 60 minute rating, with/without carried load N		500/900 - 800/1200	500/900 - 800/1200
	5.6	Maximum drawbar pull, with/without carried load (on level ground)		5600/6000¹¹ - 9600/10000¹¹	5600/60001) - 9600/100001)
	5.7	Climbing ability with/without load, 30 minute rating %		See graph	See graph
	5.8	Maximum climbing ability, with/without load, 5 minute rating% See graph		See raph	
	5.10	Service brake		Hydraulic/electric	Hydraulic/electric
Drive	6.1	Drive motor, 60 minute rating	kW	2 x 2.5 ⁴⁾ - 2 x 10 ⁴⁾	2 x 2.5 ⁴⁾ - 2 x 10 ⁴⁾
	6.3	Battery according to DIN 43531/35/36 A, B, C, no		DIN 43536A	DIN 43536A
	6.4	Battery voltage/rated capacity (5h)	V/Ah	80/3204)	80/3204)
	6.5	Battery weight (± 0,5	%) kg	858	858
	6.6	Power consumption according to VDI cycle	kWh/h	3)	3)
Other	8.1	Type of drive control		AC-microprocessor	AC-microprocessor
	8.4	Noise level at operator's ear	dB (A)	3)	3)
	8.5	Tow coupling, design/type, DIN/no		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.
 High torque 2x10 kW motor is available in conjunction with 320 Ah battery only.