

Tractor P20 Capacity 2000 kg
Load Transporter W04 Capacity 400 kg (1193 Series)



P20



W04



Chassis

Chassis

- Only 600 mm width
- Front lights are recessed inside front cover
- Robust chassis of rugged steel
- All plastic components are well protected within chassis contours
- Ergonomic and safe rounded profile design

Braking

- Automatic parking brake
- Emergency stop
- Automatic electric braking on releasing traction butterfly or reversing direction

Steering

- Precise, direct and responsive steering
- Wide handle bar reduces steering effort
- Maximum manoeuvrability due to turning radius $< 1,100$ mm
- Height adjustable handle bar

Towing couplings

- Towing attachment control for easy coupling and decoupling
- Coupling is always in excellent view of operator
- Manual wire guided hook can be operated without leaving operator's platform
- Additional various coupling devices

Operator's compartment

- Low step-in height
- Knee protection
- Comfortable backrest
- Foldable and height adjustable seat
- Generous storage compartments on battery cover and below seat

Batteries and charger

- Quick and easy battery locking system
- Battery on rollers for easy lateral battery change
- 2 PzS-B 200 Ah battery
- Built-in charger

Flexibility

- Loading platform for transporter version
- Higher ground clearance for outdoor application
- Vertical and lateral battery change in one chassis

Service

- Easy service access to all key components
- External diagnosis access to CAN Bus
- Driving parameters can be adjusted individually
- Maintenance-free, moisture and dust-proof 1.5 kW AC motor (IP 44)

Characteristics	1.1	Manufacturer		LINDE	LINDE
	1.2	Model designation		P20	W04
	1.2a	Series		1193-00	1193-00
	1.3	Power unit		Battery	Battery
	1.4	Operation		Seat	Seat
	1.5	Load capacity/Load	Q (t)	2.0	0.4
	1.7	Rated tractive force	F (N)	400	400
	1.9	Wheelbase	y (mm)	907 ¹⁾	1487 ¹⁾
Weights	2.1	Service weight	(kg)	620	755
	2.3	Axle load without load, front/rear	(kg)	325 / 295	415 / 340
Wheels/Tyres	3.1	Tyres rubber, SE, pneumatic, polyurethane		C+PU/C	C+PU/C
	3.2	Tyre size, front		Ø 230 x 75	Ø 230 x 75
	3.3	Tyre size, rear		2 x Ø 250 x 80	2 x Ø 250 x 80
	3.5	Wheels, number front/rear (x = driven)		1x + 2 / 2	1x + 2 / 2
	3.6	Track width, front	b10 (mm)	418 ¹⁾	418 ¹⁾
	3.7	Track width, rear	b11 (mm)	484 ¹⁾	529 ¹⁾
	Dimensions	4.8	Height of seat/stand on platform	h7 (mm)	754 / 1044
4.9		Height of tiller arm in operating position, min/max	h14 (mm)	1170/1270	1170/1270
4.12		Towing coupling height	h10 (mm)	113 ¹⁾	173 ¹⁾
4.19		Overall length	l1 (mm)	1315 ¹⁾	2172 ¹⁾
4.21		Overall width	b1/b2 (mm)	600 ¹⁾	936 ¹⁾
4.32		Ground clearance, centre of wheelbase	m2 (mm)	40 / 80	80
4.35		Turning radius	Wa (mm)	1080 ²⁾	1660 ²⁾
Performance	5.1	Travel speed, with/without load	(km/h)	8 / 8	8 / 8
	5.5	Tractive force, with/without load	(N)	400	400
	5.6	Maximum tractive force, with/without load	(N)	2000	2000
	5.7	Climbing ability, with/without load	(%)	-	-
	5.8	Maximum climbing ability, with/without load	(%)	6.0 / 10.0	6.0 / 10.0
	5.10	Service brake		Electro-magnetic	Electro-magnetic
Drive	6.1	Drive motor, 60 minute rating	(kW)	1.5	1.5
	6.3	Battery according to DIN 43531/35/36 A,B,C,no		2PzS-B	2PzS-B
	6.4	Battery voltage/rated capacity (5h)	(V/Ah)	24 / 200	24 / 200
	6.5	Battery weight (± 5%)	(kg)	185	185
	8.1	Type of drive control		LAC	LAC

1) (± 5 mm)2) (± 20 mm)