

PT20I800

Ergonomic reach truck with a load capacity of 2000 kg



[Optional 24V/100AH lithium battery \(Ref PT20I800-ION\)](#)



INTRODUCTION

The PT20I800 reach truck with additional lift is the ideal tool for combining material handling and order picking. The operator raises the pallet to a comfortable height and can then easily set down or pick up goods.

Furthermore, the PT20I800 is fitted with lift and lower switches on both sides of the unit, allowing the operator to adjust the pallet height without having to move.

A robust 8 mm steel construction protects the truck from damage during intensive use in harsh environments.

The powerful Schabmüller AC motor provides the PT20I800 with strong acceleration and smooth operation.

Despite its compact size, the PT20I800 offers one of the highest capacities on the market, with 2 tonnes in both 'pallet truck' and 'stacker' modes, or 1 tonne plus 1 tonne (double pallet).

// ADVANTAGES

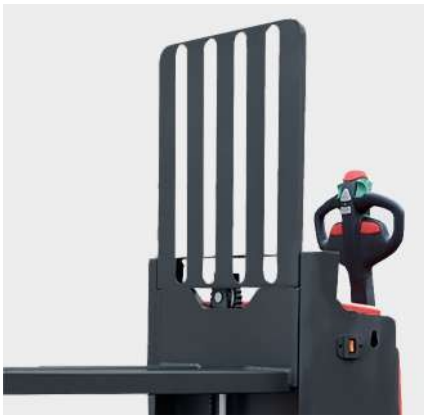
- Initial lift 120 mm
- Electric pallet truck with load backrest
- Long tiller for easy and ergonomic operation
- Slow-speed switch for safe operation in confined spaces





Static design of the hydraulic system

There is no movement of the hydraulic system whilst the pallet truck is being raised or lowered, ensuring the stability and safety of the hydraulic system.



Additional mast

Additional mast with
Load capacity up to 800 mm.

Ideal for positioning pallets at height to help prevent musculoskeletal disorders (MSDs) during order-picking operations.



Initial lift

Thanks to the initial lift, efficiency is doubled compared with a traditional walk-behind pallet truck or a stacker.

The side members have high ground clearance, allowing for safe operation on walkways, ramps or uneven surfaces. Visibility is enhanced thanks to its low overall height.



Robust and reliable design

The PT20I stacker is fitted with an extremely robust 8 mm-thick chassis. The battery cover is made of steel to minimise maintenance costs and potential damage. Thanks to its design, the drive motor and brake are very well protected. The Curtis speed controller (IP 54) is protected against dust and water splashes. Furthermore, thanks to this same speed controller, the PT20I 800 range is fully configurable and adaptable to the needs of each user.



Long drawbar for improved ergonomics and safety

The long, ergonomic Rema drawbar allows for more comfortable and efficient use and maintains a safe distance, making operation safer.

CAN-BUS

Proportional electric lift

The electric proportional lift system ensures precise fork positioning and stacking operations at any height.

Proportional lifting delivers better performance when mast heights are significant.

HIGH-END COMPONENTS

REMA

Rema multi-function tiller with ergonomic touch-free switches
(German)

Schabmüller AC traction motor
(German)

SCHABMÜLLER
KORDEL

Kordel gearbox
(German)

Intorq brakes
(German)

INTORQ
Wicke

Wicke steering wheels
(German)

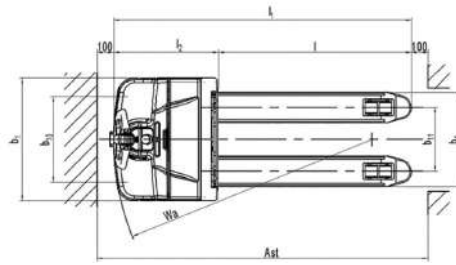
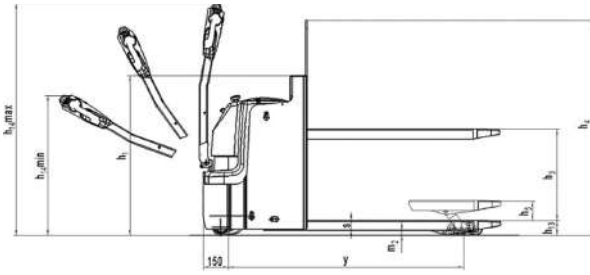
Curtis speed governor
(American)

CURTIS
S.P.E. ELETTRONICA INDUSTRIALE
A.T.I.B. ELETTRONICA
Battery Chargers & Electronics

SPE or ATIB loaders
(Italian)

The components used reduce maintenance costs and guarantee the performance and reliability required for the most demanding tasks.

4. Electric stacker trucks



Technical specifications in accordance with VDI 2198

Specifications	1.2	Part number - Model		PT201800
	1.3	Drive type		electric
	1.4	Drive type		accompanying
	1.5	Double-pallet capacity	Q (t)	1 + 1
		Fork capacity	Q (t)	1
		Capacity on side rails	Q (t)	2
	1.6	Centre of gravity	c (mm)	600
	1.8	Distance from the deck to the roller centreline	x (mm)	916
Weight	1.9	Wheelbase	y (mm)	1386
	2.1	Weight with batteries	kg	656
	2.2	Axle load with front/rear load	kg	765 / 1891
	2.3	Axle load without front/rear load	kg	476 / 180
Wheels Chassis	3.1	Wheels		polyurethane (PU)
	3.2	Drive wheel dimensions	Ø x w (mm)	Ø 230 x 70
	3.3	Front roller dimensions	Ø x w (mm)	Ø 80 x 70
	3.4	Dimensions of stabiliser wheels	Ø x w (mm)	Ø 100 x 40
	3.5	Number of front/rear wheels (x = drive wheel)		1 x + 2 / 4
	3.6	Centre-to-centre distance between side members	b10 (mm)	510
	3.7	Rear wheel track	b11 (mm)	380
Dimensions	4.2	Height with mast lowered	h1 (mm)	950
	4.4	Standard lift	h3 (mm)	550
	4.5	Height of mast when extended, with/without backrest	h4 (mm)	1717 / 950
	4.6	Initial lift	h5 (mm)	120
	4.9	Drawbar height in minimum/maximum driving position	h14 (mm)	820 / 1335
	4.15	Minimum fork height	h13 (mm)	88
	4.19	Overall length	l1 (mm)	1770
	4.20	Length without forks	l2 (mm)	620
	4.21	Overall width	b1 (mm)	729
	4.22	Fork dimensions	s / e / l (mm)	60 / 180 / 1150
	4.25	Outer fork width	b5 (mm)	560
	4.32	Ground clearance	m2 (mm)	28
	4.33	Aisle width with 1000 x 1200 mm pallet across	Ast (mm)	1970
	4.34	Aisle width with 800 x 1200 mm pallet placed lengthways	Ast (mm)	2020
	4.35	Turning radius	Wa (mm)	1536
Performance	5.1	Travel speed without / with load	km/h	6 / 6
	5.2	Lifting speed without / with load	mm/s	150 / 100
	5.3	Lowering speed without / with load	mm/s	70 / 90
	5.8	Permissible gradient without / with load	%	20 / 8
	5.10	Service brake		electromagnetic
Electrical system	6.1	Traction motor, S2 power rating for 60 minutes	kW	1.3
	6.2	Lifting motor, S3 power 10 %	kW	1.2
	6.3	Batteries in accordance with DIN 43531 / 35 / 36 A, B, C, No		2 VBS
	6.4	Battery voltage / nominal capacity K5	V / Ah	24 / 160
	6.5	Battery weight	kg	150
	6.6	Energy consumption according to VDI cycle	kWh/h	1
Miscellaneous	8.1	Transmission type		AC – speed control
	8.4	Noise level at the driver's ear in accordance with EN 12053	dB (A)	< 69