

# PT20D



## Ergonomic safe and fast trans-stacker 2000 kg maximum load capacity

### DESCRIPTION

The new PT20D performs well in horizontal transport and when loading and unloading trucks and stacking pallets up to 2500 mm. The initial lift offers the possibility to transport two EUR-pallets at the same time.

PT20D trans-stacker with additional lift is the ideal choice that combines handling and order picking. The operator can position the pallets at a comfortable working height to pick orders and store goods.

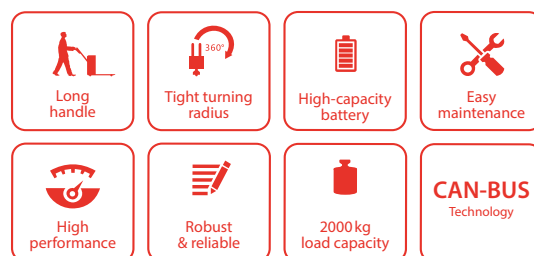
PT20D is also equipped with lift / lower side buttons that allow the operator to adjust pallet height without having to move around.

Its 8 mm thick mainframe protects the stacker against damage from intensive use in demanding environments. Powerful AC Schabmüller motor provides maximum and smooth acceleration.

Compact but tough, PT20D offers one the best load capacities on the market: 2 tons on pallet truck mode or 1 ton at ground level plus 1 ton on the second level when on double-decker stacker mode.

### FEATURES

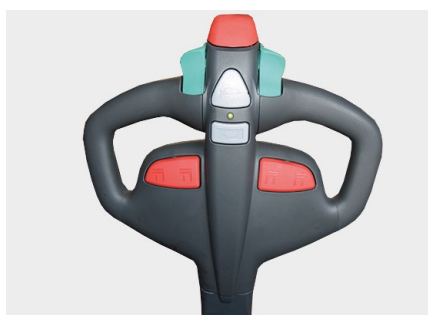
- Electric trans-stacker with load backrest
- AC Schabmüller traction motor
- Easy-to-use ergonomic long handle
- Core components from leading brands
- Proportional lift for precise lift control





### Initial lift

Raising support arms feature high ground clearance to enhance travel safety on walkways, ramps, and uneven floors. Visibility is increased due to its small overall height.



### Long handle

Rema's long ergonomic handle improves comfort and efficiency. It also guarantees that the operator is at a safe distance from the trans-stacker during motion.



### Easy maintenance

The pallet truck and its parts have been specially designed to perform maintenance and service with ease. With only two screws, the cowl can be easily removed for easy access to all components. Wheels and rollers can be easily replaced without a lifting device.



### Side battery extraction

The standard and powerful battery of 210Ah can be removed from the side for easier replacement and maintenance. The side access is convenient for multi-shift operations.



### Lateral switches

Lift/lower side buttons allow the operator to adjust pallet height without having to move around.



### Hydraulic system static design

The hydraulic system remains static during lift and lower operations ensuring stability and safety.



### Robust and reliable design

The robust chassis and its 8mm thick mainframe protect the trans-stacker and its components against impact collisions. The stainless steel battery cover provides enhanced protection.

## HIGH-END COMPONENTS

**REMA**

Multifunctional **Rema** handle with ergonomic contactless rocker-switches  
(German)

AC **Schabmüller** traction motor  
(German)

**SCHABMÜLLER**

**KORDEL**



**Kordel** drive unit  
(German)

**Intorq** brakes  
(German)

**INTORQ**

**Wicke**



**Wicke** steering wheels  
(German)

**Zapi** electronic controllers  
(Italian)

**ZAPI**

**S.P.E.** ELETTRONICA INDUSTRIALE

**A.T.I.B.** ELETTRONICA  
Battery Chargers & Electronics

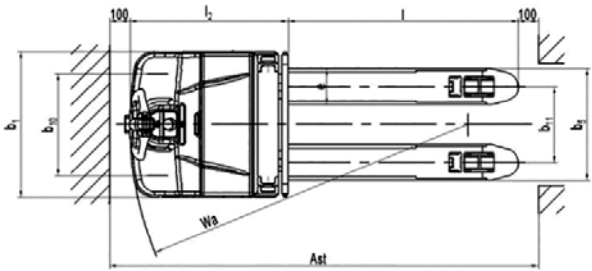
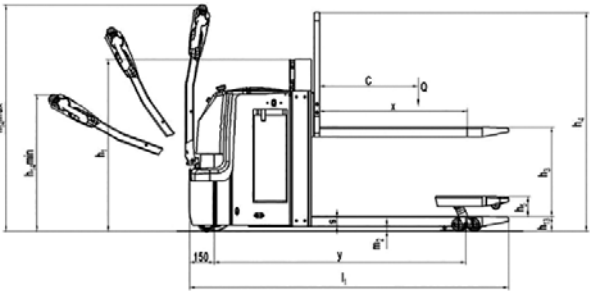
**SPE** ou **ATIB** chargers  
(Italian)

High-end components reduce maintenance costs and guarantee high performance and reliability when performing the most intense operations.

Photos and dimensions are not contractual. The manufacturer reserves the right to make any modification without notice, in order to improve the performance of the equipment.

## Electric proportional lift

The electronically controlled proportional lift system ensures accurate fork positioning and stacking operations.



Reference Stockman	Mast	Mast lowered height h1 (mm)	Free lift h2 (mm)	Standard lift h3 (mm)	Mast raised height h4 (mm)	Weight (kg)
PT20D						
PT20D1600	Duplex	1178	-	1480	2528	990
PT20D2000		1378	-	1880	2928	1010
PT20D2500	Triplex	1233	-	2380	3475	1060

Technical data according to VDI 2198 regulation						
Specifications	1.2	Product Reference ♦ Model		PT20D1600	PT20D2000	PT20D2500
	1.3	Power supply		battery	battery	battery
	1.4	Operator type		pedestrian		
	1.5	Load capacity on stacker mode	Q(t)	1+1	1+1	1+1
		Fork load capacity	Q(t)	1	1	1
		Straddle legs load capacity	Q(t)	2	2	2
	1.6	Load center distance	c(mm)	600	600	600
	1.8	Distance from carriage to caster axle	x(mm)	916	916	916
	1.9	Wheelbase	y(mm)	1532	1532	1532
Weight	2.1	Weight (batteries included)	kg	990	1010	1060
	2.2	Axle load laden front/rear	kg	880/2110	890/2120	925/2135
	2.3	Axle load unladen front/rear	kg	648/342	658/352	695/365
Wheels	3.1	Wheels		polyurethane (PU)		
	3.2	Steering wheel dimensions	Øxw(mm)	Ø230x70	Ø230x70	Ø230x70
	3.3	Load rollers dimensions	Øxw(mm)	Ø80x70	Ø80x70	Ø80x70
	3.4	Stabilizing rollers dimensions	Øxw(mm)	Ø100x40	Ø100x40	Ø100x40
	3.5	Number of front/rear wheels (x=driving wheel)		1x+2/4	1x+2/4	1x+2/4
	3.6	Front axle wheelbase	b10 (mm)	510	510	510
	3.7	Load roller wheelbase	b11 (mm)	380	380	380
Dimensions	4.2	Mast lowered height	h1 (mm)	1178	1378	1233
	4.4	Standard lift	h3 (mm)	1480	1880	2380
	4.5	Mast raised height	h4 (mm)	2528	2928	3475
	4.6	Initial lift	h5 (mm)	120	120	120
	4.9	Tiller height in drive position min/max	h14 (mm)	820/1335	820/1335	820/1335
	4.15	Fork lowered height	h13 (mm)	88	88	88
	4.19	Overall length	l1 (mm)	1940	1940	1965
	4.20	Front axle to fork face length	l2 (mm)	790	790	805
	4.21	Overall width	b1 (mm)	729	729	729
	4.22	Fork dimensions	s/e/l (mm)	60/180/1150	60/180/1150	60/180/1150
	4.25	Width across forks	b5 (mm)	560	560	560
	4.32	Ground clearance	m2 (mm)	28	28	28
	4.33	Aisle width for 1000x1200 mm pallets crossways	Ast (mm)	2140	2140	2155
	4.34	Aisle width for 800x1200 mm pallets lengthways	Ast (mm)	2190	2190	2205
	4.35	Turning radius	Wa (mm)	1682	1682	1682
Performances	5.1	Travel speed, laden/unladen	km/h	6/6	6/6	6/6
	5.2	Lift speed, laden/unladen	mm/s	85/140	85/140	85/140
	5.3	Lowering speed, laden/unladen	mm/s	65/80	65/80	65/80
	5.8	Gradeability laden/unladen	%	8/20	8/20	8/20
	5.10	Service brake		electromagnetic		
Electrical system	6.1	Drive motor rating S2 60 min	kW	1,3	1,3	1,3
	6.2	Lift motor rating at S3 15 %	kW	2,2	2,2	2,2
	6.3	Battery acc. to DIN 43531 / 35 / 36 A, B, C, No		3VBS	3VBS	3VBS
	6.4	Battery voltage, nominal capacity K5	V/Ah	24/210	24/210	24/210
	6.5	Battery weight	kg	185	185	185
	6.6	Energy consumption acc. to VDI cycle	kWh/h	1	1	1
Additional data	8.1	Type of drive control		AC - speed control		
	8.4	Noise level at driver's ear acc. to EN12053	dB(A)	<70	<70	<70

# RESIDUAL CAPACITY

SX ♦ Single

DX ♦ Duplex

TX ♦ Triplex

SL ♦ Straddle legs

FFL ♦ Full free lift

LI ♦ Initial lift

LP ♦ Proportional lift

DA ♦ Electrical power steering

SC ♦ Built-in weighing scale

CP ♦ Pin code

## PT20D ♦ PP. 60 TO 63

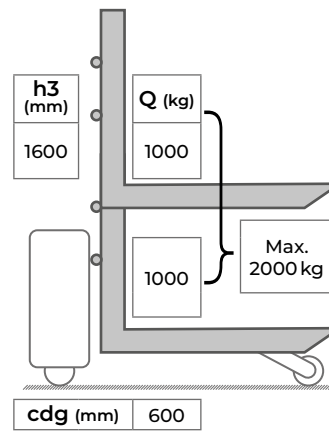
PT20D1600

PT20D2000

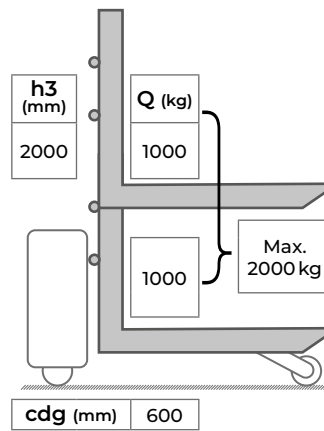
PT20D2500



PT20D1600



PT20D2000



PT20D2500

