

# PS20D

**Electric Pedestrian Stacker  
with support arm lift and  
combined capacity of  
2000kg**

## INTRODUCTION

The PS20D is the first choice for stacking and retrieving goods with lift heights up to 4000mm.

With the feature, the support arm lift, the truck doubles the handling capacity by simultaneously transporting two pallets in comparison to single pallet transportation.

The PS20D ensures safe operations on uneven floors, ramps or docks. With the flip down platform and the protective side arms the truck gives ergonomics on longer distances.

- Mast and support arm lift for high handling capacity.
- Maintenance free AC Drive Motor.
- Ergonomic and reliable design.
- With ride on flip down platform and side arms.

## CAN-BUS

### CANBUS technology

The CANBUS technology is due to less wiring more reliable. For maintenance the CANBUS technology makes analysis and adjustments easier so that the downtime is lower than for trucks without CANBUS. Digital signals further makes parts longer lasting than analogue signals.



### Storage tray

The robust battery cover to with storage areas for utilities or packaging and stretch foil.

### Electric steering(optional)

The electric steering makes the operating effortless. Maneuvering in narrow spaces becomes with the electric steering easiest.



### Optional foldable platform

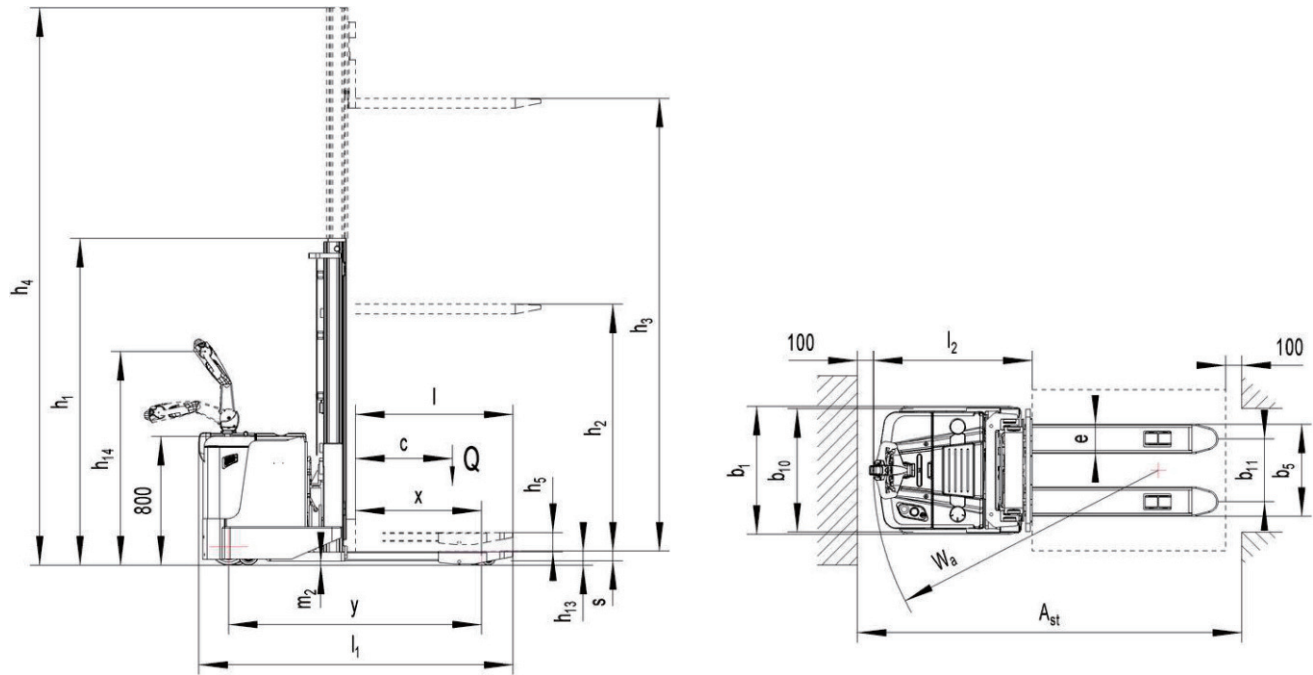
Optional suspension foldable platform with sideways protective arms. The ergonomically designed foldable platform in combination with its sideways protective arms makes operations faster and safer.



### Support arm lift

In particular through the 2nd lifting mechanism the truck can operate double desk pallet transportation which doubles the handling capacity. At the same time the truck can overcome obstacles as ramps, docks or uneven floors better than standard stackers.





Type sheet for industrial truck acc. to VDI 2198 1KG=2.2LB 1INCH=25.4MM									
Distinguishing mark	1.2	Manufacturer's type designation		PS20D					
	1.3	Power (battery ,diesel, petrol, gas, manual)		1750	2700FFL	2900	2900FFL	3200	3600
	1.4	Operator type		Battery					
		Load Capacity / rated load		Pedestrian					
	1.5	Load Capacity / rated load (mast lift)	Q (t)	2 <sup>1)</sup>					
		Load Capacity / rated load (support arm lift)		1.2					
	1.6	Load centre distance		2.0					
	1.8	Load distance ,centre of drive axle to fork	c (mm)	600					
	1.9	Wheelbase	x (mm)	957					
Weight	2.1	Service weight	y (mm)	1681					
	2.2	Axle loading, laden front/rear	kg	1220	1295	1285	1305	1295	1315
	2.3	Axle loading, unladen front/rear	kg	1070/2150	1105/2190	1095/2190	1105/2200	1100/2195	1105/2210
Tires, chassis	3.1	Tires		Polyurethane(PU)					
	3.2	Tire size,front	Φxw (mm)	Φ230×75					
	3.3	Tire size,rear	Φxw (mm)	Φ80×70					
	3.4	Additional wheels(dimensions)	Φxw (mm)	Φ124×60					
	3.5	Wheels,number front/rear(x=driven wheels)		1x + 2 / 4					
	3.6	Tread, front	b <sub>10</sub> (mm)	570					
	3.7	Tread, rear	b <sub>11</sub> (mm)	395/505					
Dimensions	4.2	Lowered mast height	h <sub>1</sub> (mm)	1454	1927	2027	2027	2177	2377
	4.3	Free Lift height	h <sub>2</sub> (mm)	120	1380	120	1480	120	120
	4.4	Lift height	h <sub>3</sub> (mm)	1160	2615	2815	2815	3115	3515
	4.5	Extended mast height	h <sub>4</sub> (mm)	2224	3427	3447	3447	3747	4147
	4.6	Initial lift	h <sub>5</sub> (mm)	120					
	4.9	Height of tiller in drive position min./max.	h <sub>14</sub> (mm)	945/1370					
	4.15	Height, lowered	h <sub>13</sub> (mm)	88					
	4.19	Overall length	l <sub>1</sub> (mm)	2055 <sup>2)</sup>					
	4.20	Length to face of forks	l <sub>2</sub> (mm)	905 <sup>2)</sup>					
	4.21	Overall width	b <sub>1</sub> (mm)	795					
	4.22	Fork dimensions	s/e/l (mm)	60/180/1150					
	4.25	Distance between fork-arms	b <sub>5</sub> (mm)	575/685					
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm)	28					
	4.33	Aisle width for pallets 1000X1200 crossways	Ast (mm)	2669 <sup>2)</sup>					
	4.34	Aisle width for pallets 800X1200 lengthways	Ast (mm)	2356 <sup>2)</sup>					
Performance data	5.1	Travel speed, laden/ unladen	km/h	6.0/6.0					
	5.2	Lift speed, laden/ unladen	m/s	0.08/0.15					
	5.3	Lowering speed, laden/ unladen	m/s	0.16/0.12					
	5.8	Max. gradeability, laden/ unladen	%	6/12					
	5.10	Service brake		Electromagnetic					
Electric- engine	6.1	Drive motor rating S2 60min	kW	1.3					
	6.2	Lift motor rating at S3 4.5%	kW	2.2					
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		B,2PZS					
	6.4	Battery voltage, nominal capacity K5	V / Ah	24/210					
	6.5	Battery weight +/-5%	kg	217					
	6.6	Energy consumption acc: to VDI cycle	kWh/h	2.5					
Additional data	8.1	Type of drive control		AC- speed control					
	8.4	Sound level at driver's ear acc. to EN 12053	dB(A)	<69					

1) when operate the fork and pallet at the same time: Load Capacity / rated load (mast lift) is 1 t, Load Capacity / rated load (support arm lift) is 1 t, Load Capacity / rated load (mast lift) < Load Capacity / rated load (support arm lift).

2) with foldable platform the following dimensions increase: l1, l2 = +80mm / Wa = +70mm / AST =+70mm