



PS20D DA

Stand-up rider electric trans-stacker with 2000 kg maximum capacity load

DESCRIPTION

PS20DA is a large-capacity industrial trans-stacker.

Reinforced straddle legs double the load capacity and allow to transport two pallets simultaneously to maximize efficiency.

PS20DA guarantees reliable and safe travel on walkways, ramps, and uneven floors. Its flip-down platform and lateral protections offer better ergonomics on long distances.

FEATURES

- Mast and reinforced straddle legs enhance lift height and load capacity
- Maintenance-free AC motor
- Ergonomic and reliable design
- Flip-down platform and lateral protection for stand-up rider use





CAN-BUS technology

CAN-Bus eliminates the need for excessive wiring so that reliability is guaranteed. This technology eases diagnosis and settings on maintenance operations. Maintenance downtime is shorter than regular trans-stacker that do not have this technology. Also, parts last longer with digital signals than analog signals.



Storage boxes

The battery is protected by a robust cover designed to store stretch films and tools.



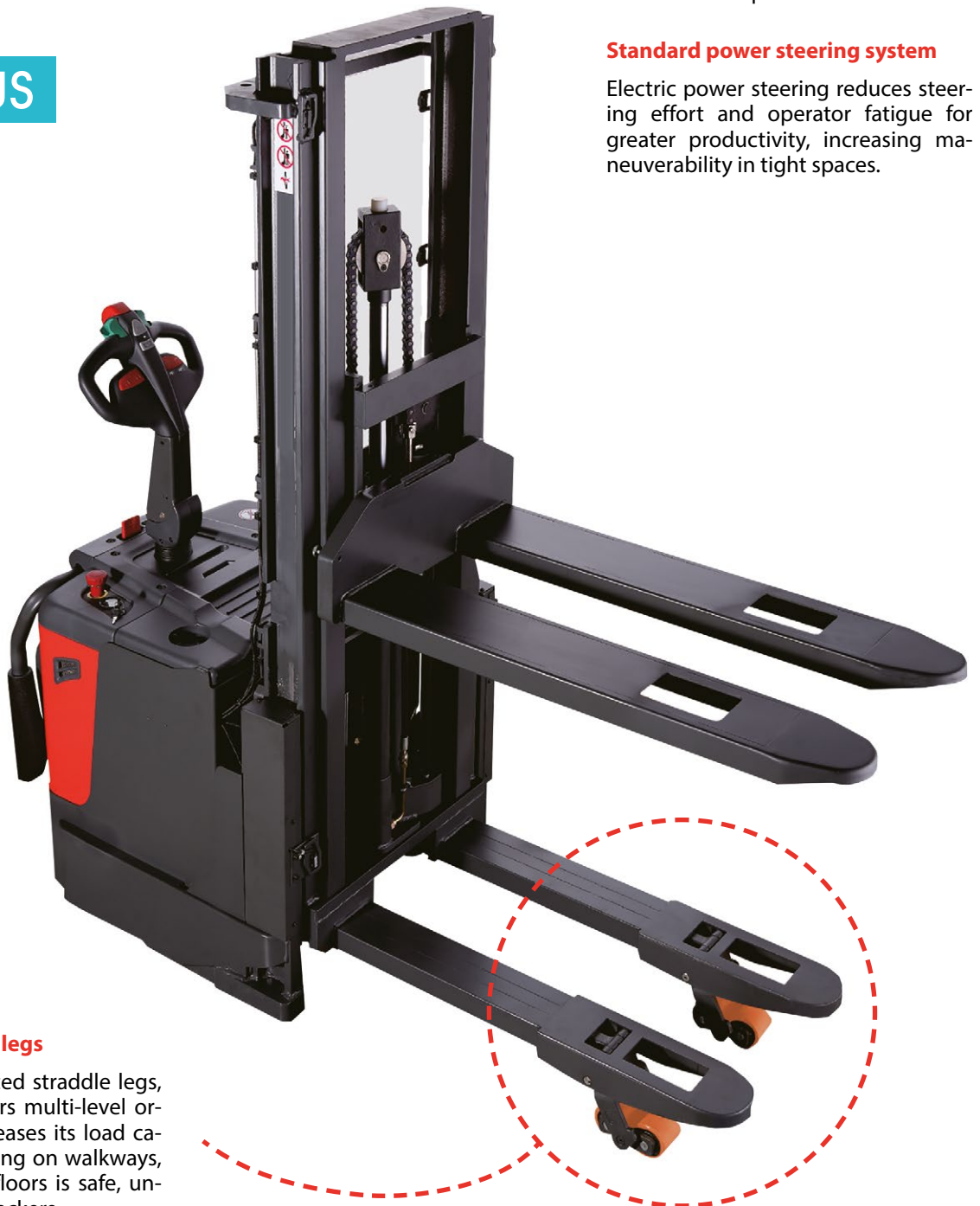
Flip-down platform with lateral protection

Its lateral protection arms offer better ergonomics and provide faster and more reliable operations.

Standard power steering system

Electric power steering reduces steering effort and operator fatigue for greater productivity, increasing maneuverability in tight spaces.

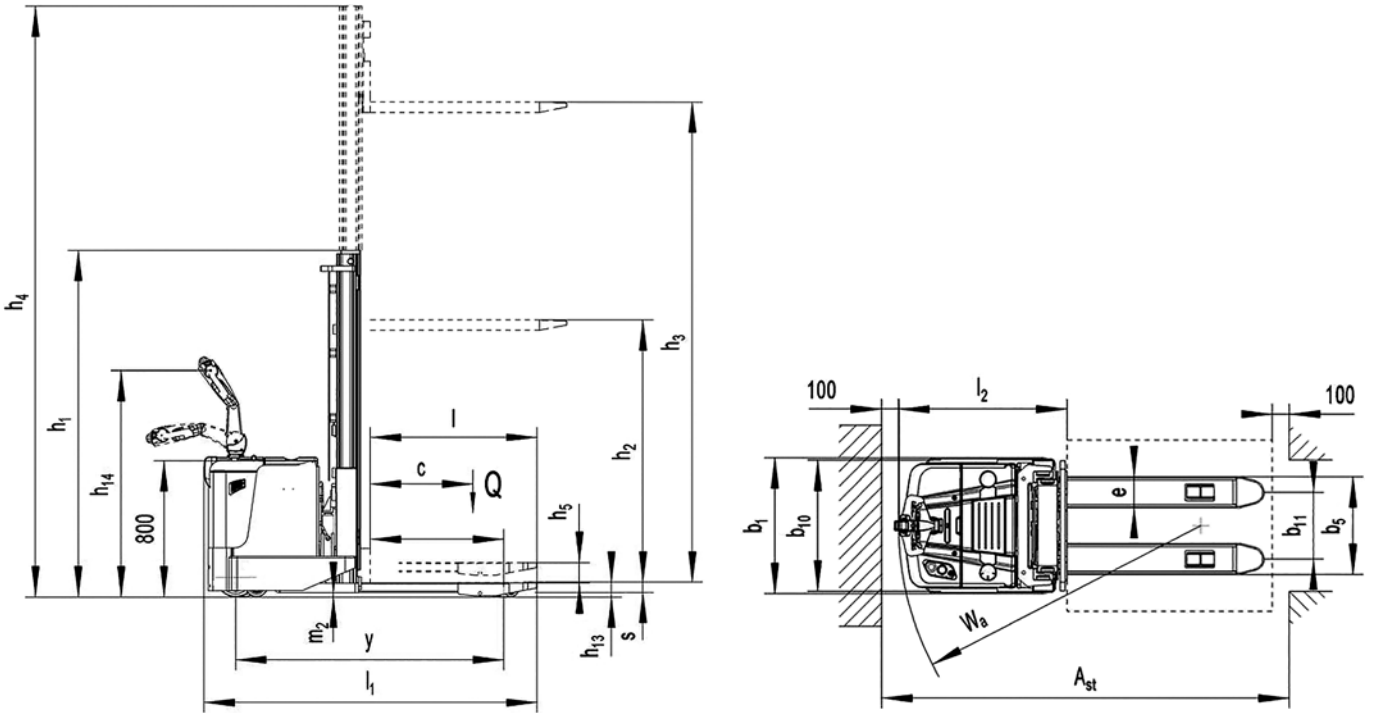
CAN-BUS



Reinforced straddle legs

Thanks to its reinforced straddle legs, the trans-stalker offers multi-level order picking and increases its load capacity by two. Traveling on walkways, ramps, and uneven floors is safe, unlike standard trans-stackers.

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.



Technical data according to VDI 2198 regulation					
Specifications	1.2	Product Reference ♦ Model		PS20D1750DA	PS20D29FFLDA
	1.3	Power supply		battery	battery
	1.4	Operator type		pedestrian	pedestrian
	1.5	Load Capacity on Doble-decker mode	$Q(t)$	2	2
		Fork Load Capacity	$Q(t)$	2	2
		Straddle Legs Load Capacity	$Q(t)$	2	2
	1.6	Load center distance	$c(mm)$	600	600
	1.8	Distance from carriage to caster axle	$x(mm)$	957	957
	1.9	Wheelbase	$y(mm)$	1681	1681
Weight	2.1	Weight (batteries included)	kg	1220	1305
	2.2	Axle load laden front/rear	kg	1070/2150	1105/2200
	2.3	Axle load unladen front/rear	kg	900/320	960/345
Wheels	3.1	Wheels		polyurethane (PU)	
	3.2	Steering wheel dimensions	$\emptyset \times w(mm)$	$\emptyset 230 \times 75$	$\emptyset 230 \times 75$
	3.3	Load rollers dimensions	$\emptyset \times w(mm)$	$\emptyset 80 \times 70$	$\emptyset 80 \times 70$
	3.4	Stabilizing rollers dimensions	$\emptyset \times w(mm)$	$\emptyset 124 \times 60$	$\emptyset 124 \times 60$
	3.5	Number of front/rear wheels (x=driving wheel)		1x+2/4	1x+2/4
	3.6	Front axle wheelbase	$b10(mm)$	570	570
	3.7	Load roller wheelbase	$b11(mm)$	395/505	395/505
Dimensions	4.2	Mast lowered height	$h1(mm)$	1454	2027
	4.3	Free lift	$h2(mm)$	150	1480
	4.4	Standard lift	$h3(mm)$	1660	2815
	4.5	Mast raised height	$h4(mm)$	2224	3447
	4.6	Initial lift	$h5(mm)$	120	120
	4.9	Tiller height in drive position min/max	$h14(mm)$	945/1370	945/1370
	4.15	Fork lowered height	$h13(mm)$	88	88
	4.19	Overall length	$l1(mm)$	2055	2055
	4.20	Front axle to fork face length	$l2(mm)$	905	905
	4.21	Overall width	$b1(mm)$	795	795
	4.22	Fork dimensions	$s/e/l(mm)$	60/180/1150	60/180/1150
	4.25	Width across forks	$b5(mm)$	575/685	575/685
	4.32	Ground clearance	$m2(mm)$	28	28
	4.33	Aisle width for 1000x1200 mm pallets crossways	$Ast(mm)$	2269	2269
4.34	Aisle width for 800x1200 mm pallets lengthways	$Ast(mm)$	2536	2536	
4.35	Turning radius	$Wa(mm)$	1867	1867	
Performances	5.1	Travel speed, laden/unladen	km/h	6/6	6/6
	5.2	Lift speed, laden/unladen	mm/s	80/150	80/150
	5.3	Lowering speed, laden/unladen	mm/s	120/160	120/160
	5.8	Gradeability laden/unladen	%	6/12	6/12
	5.10	Service brake		electromagnetic	
Electrical system	6.1	Drive motor rating S2 60 min	kW	1,3	1,3
	6.2	Lift motor rating at S3 15 %	kW	2,2	2,2
	6.3	Battery acc. to DIN 43531 / 35 / 36 A, B, C, No		B, 2 PzS	B, 2 PzS
	6.4	Battery voltage, nominal capacity K5	V/Ah	24/210	24/210
	6.5	Battery weight	kg	217	217
	6.6	Energy consumption acc. to VDI cycle	kWh/h	2,5	2,5
Additional data	8.1	Type of drive control		AC - speed control	
	8.4	Noise level at driver's ear acc. to EN12053	dB (A)	69	69

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

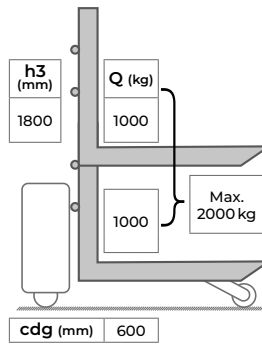
CP ♦ Pin code

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PS20D1750DA



PS20D2900FFLDA

