

DS4-D

ELECTRIC PEDESTRIAN STRADDLE STACKER 1.2T

 1200 kg  3890 mm  AGM



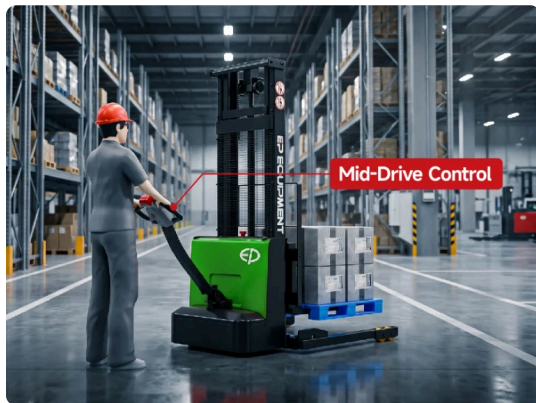
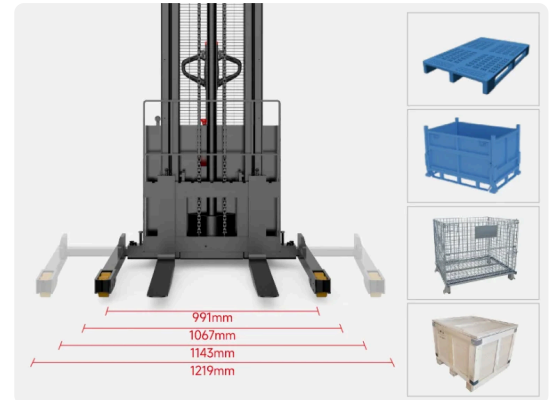
The DS4-D is ideal for warehouse storage, truck loading and unloading, medium-distance internal transport, and tight-space stacking. Its adjustable straddle leg design makes it particularly suitable for facilities handling multiple pallet types, while the stable mid-drive system supports safe and efficient daily operations.

SPECIFICATION	REF	UNIT	VALUE
Manufacturer			EP
Model designation			DS4-D
Battery voltage/nominal capacity		V/Ah	24/80
Rated capacity	Q	kg	1200
Load centre distance	c	mm	600
Service weight		kg	682
Height, mast lowered	h_1	mm	2545
Lift	h_3	mm	3890
Height, mast extended	h_4	mm	4795
Overall length	l_1	mm	1685
Overall width	b_1/b_2	mm	1149/1225/1301/1377
Length to face of forks	l_2	mm	633
Fork dimensions	s/e/l	mm	40/100/1070
Turning radius	Wa	mm	1450
Drive			Electric
Operator type			Pedestrian

Features

Flexible Straddle Leg Design

With four adjustable width settings of 991mm, 1067mm, 1143mm, and 1219mm, the straddle legs enable the DS4-D to handle a wider variety of pallet types and improve flexibility in mixed warehouse operations.



Stable Mid-Drive Control

The centrally positioned drive system improves traction balance, resulting in smoother, more stable handling, especially in frequent transport and medium-distance applications.

Reliable 1200kg Lifting Performance

DS4-D offers a 1200kg rated load capacity with full capacity retained at a 3.3m lift height, and still maintains around 700kg at a maximum lift height of 3.9m for reliable high-level stacking performance.

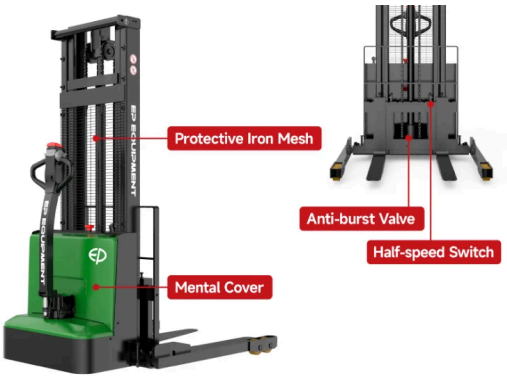


Maintenance-free Power System

The standard 24V/80Ah AGM battery with built-in charger delivers maintenance-free convenience, while optional 105Ah and 125Ah batteries provide extended power support for more demanding applications.

Enhanced Safety Protection

The reinforced metal cover and protective iron mesh deliver improved durability in daily operation, while the half-speed switch, emergency disconnect, and anti-burst valve provide enhanced safety. It also maintains 10% gradeability under full load without rollback, ensuring safe and stable operation in daisy use.

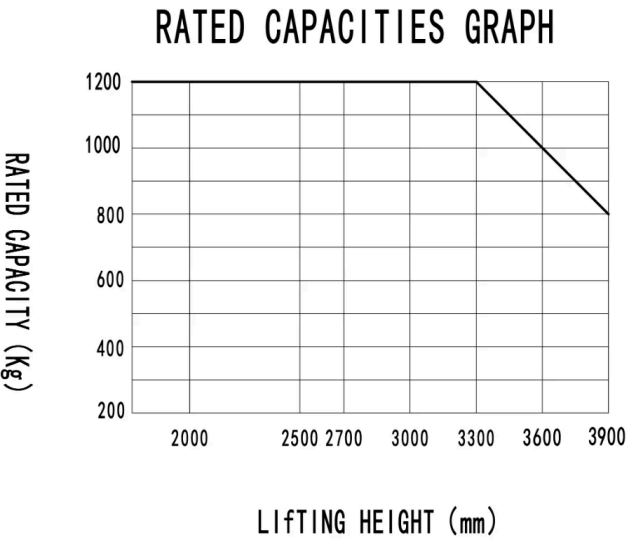


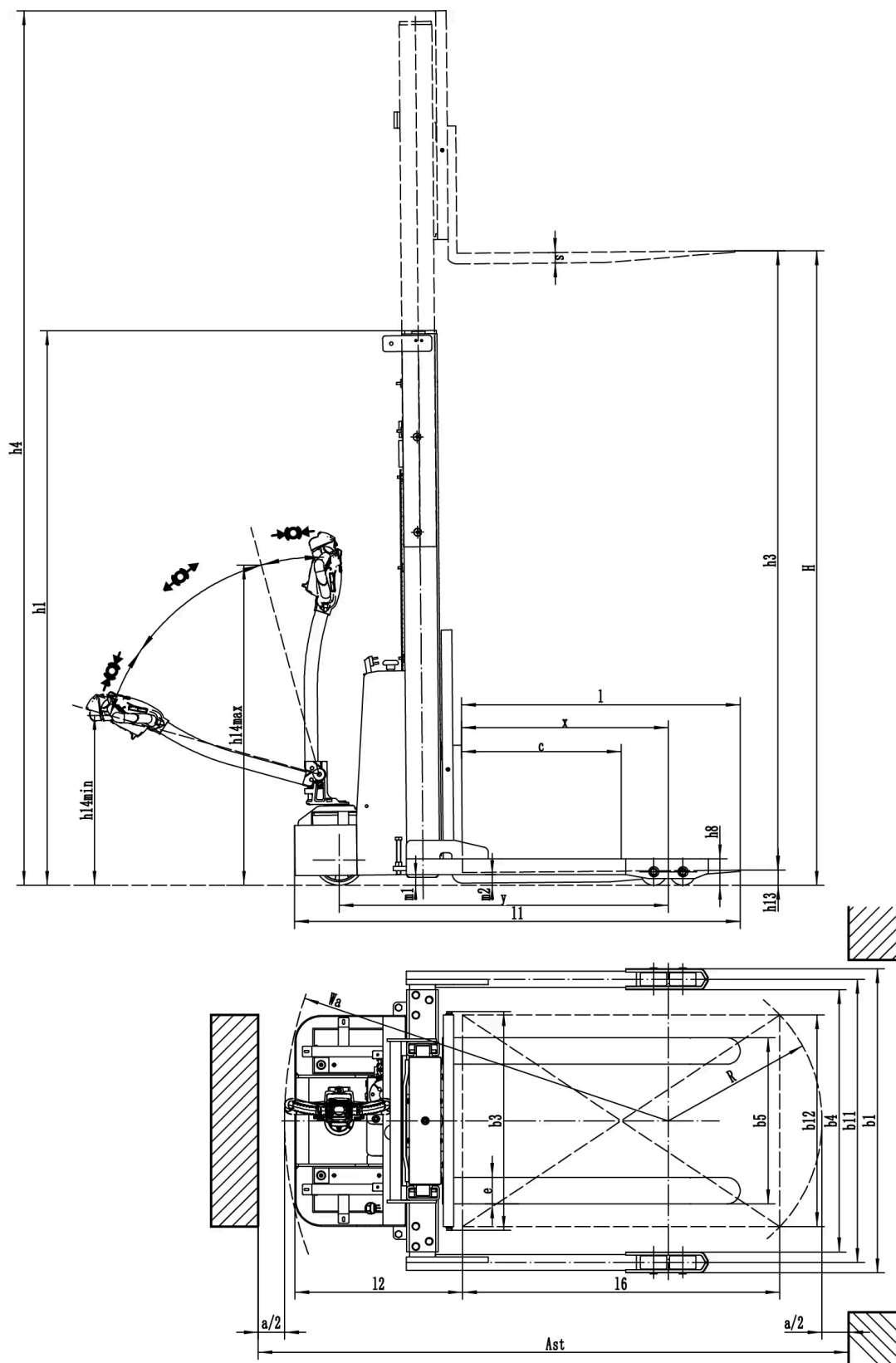
VDI Chart

SPECIFICATION		REF	UNIT	VALUE
1.1	Manufacturer			EP
1.2	Model designation			DS4-D
1.3	Drive			Electric
1.4	Operator type			Pedestrian
1.5	Rated capacity	Q	kg	1200
1.6	Load centre distance	c	mm	600
1.8	Load distance, centre of drive axle to fork	x	mm	782
1.9	Wheelbase	y	mm	1244
2.1	Service weight		kg	682
2.2	Axle loading, laden front/rear		kg	589/1393
2.3	Axle loading, unladen front/rear		kg	203/475
3.1	Tyres			Polyurethane
3.2	Tyre size, front		mm	Ø190×55
3.3	Tyre size, rear		mm	Φ102x50
3.4	Additional wheels (castor wheels)		mm	-
3.5	Wheels, number front/rear (x=drive wheels)			1x , 0/4
3.7	Tread width, rear	b ₁₁	mm	1070/1146/1222/1298
4.2	Height, mast lowered	h ₁	mm	2545
4.3	Free lift	h ₂	mm	-
4.4	Lift	h ₃	mm	3890
4.5	Height, mast extended	h ₄	mm	4795
4.9	Height drawbar in driving position min./max.	h ₁₄	mm	641/1210
4.10	Height of wheel arms	h ₈	mm	100
4.15	Height, lowered	h ₁₃	mm	63

SPECIFICATION		REF	UNIT	VALUE
4.19	Overall length	l_1	mm	1685
4.20	Length to face of forks	l_2	mm	633
4.21	Overall width	b_1/b_2	mm	1149/1225/1301/1377
4.22	Fork dimensions	s/e/l	mm	40/100/1070
4.24	Fork carriage width	b_3	mm	826
4.25	Distance between fork-arms	b_5	mm	200~780
4.26	Distance between wheel arms/loading surfaces	b_4		991/1067/1143/1219
4.31	Ground clearance, laden, below mast	m_1	mm	30
4.32	Ground clearance, centre of wheelbase	m_2	mm	40
4.34.1	Aisle width for pallets 1000×1200 crossways	Ast	mm	2290
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2232
4.35	Turning radius	Wa	mm	1450
5.1	Travel speed, laden/unladen		km/h	4.0/4.5
5.2	Lift speed, laden/unladen		m/s	0.085/0.13
5.3	Lowering speed, laden/unladen		m/s	0.105/0.085
5.8	Max. gradeability, laden/unladen		%	3/10
5.10	Service brake			Electromagnetic
6.1	Drive motor rating S2 60 min		kW	0.75
6.2	Lift motor rating at S3 15%		kW	2.2
6.4	Battery voltage/nominal capacity		V/Ah	24/80
6.4.3	Battery type			AGM
6.5	Battery weight		kg	38
8.1	Type of drive unit			DC
10.5	Steering design			Mechanical
10.7	Sound pressure level at the driver's seat		dB(A)	74
15.1	Charger output current		A	10

Subject to modification of specifications and designs without prior notice as part of continuous product improvement. Images and technical data shown may include optional features and are provided for reference only. All dimensions are subject to standard manufacturing tolerances.





Mast Options

MAST TYPE	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)	LIFT HEIGHT (H3+H13, MM)
2-Stage Single Cylinder Mast	1845	3395	2490

MAST TYPE	MAST LOWERED HEIGHT (H1, MM)	MAST EXTENDED HEIGHT, WITH BACKREST (H4, MM)	LIFT HEIGHT (H3+H13 , MM)
2-Stage Single Cylinder Mast	1945	3595	2690
2-Stage Single Cylinder Mast	2095	3895	2990
2-Stage Single Cylinder Mast	2245	4195	3290
2-Stage Single Cylinder Mast	2395	4495	3590
2-Stage Single Cylinder Mast	2545	4795	3890

Options

ITEM	OPTIONS (optional items marked in yellow)
Fork dimension	100*40*1070 100*40*1150 100*40*1220
Leg width	991mm 1067mm 1143mm 1219mm
Fork lowered height	55
Fork carriage width option	826mm
Load wheel type	Double
Load wheel material	PU
Drive wheel material	PU
Battery capacity	24V80AH Lead-acid 24V105AH Lead-acid 24V125AH Lead-acid
Charger	24V-10A integrated charger 24V-15A integrated charger
Battery indicator	With hourmeter
Handle head type	Large two-hand control handle
Castor wheels	No
Vertical handler working	Yes and not customized
Travel deceleration function after mast lifting	Yes and not customized