



ASWS15H Electric Pedestrian Stacker

Lifting height: 2000-3500 mm / Load capacity: 1500 kg



Variable Speed Control



Intelligent & Efficient



Rugged & Durable



Easy & Comfortable

ARAS Developments FZE

T: +971 4 887 6602
W: www.arasfze.com

ARAS
Handling Equipment

Rugged & Durable

Due to a high-strength frame and mast design and solid materials used, the deformation of the frame, mast, and forks is small.



Longer service life

Mast: Standard C+H channel steel
Frame: Steel plate thickness of 5mm
Frame bottom plate: 30mm integrated steel plate



Double-chain design

Compared with single-chain design, it has higher strength, safer and more stable.

Safe operation

Emergency reverse switch

In case of an emergency, it protects the operator and the surrounding personnel from harm.

Safety travel speed limit

When the fork is lifted to above 500mm, the driving speed automatically reduces to 2km/h to ensure the safety of operating at a high position in case of any misoperation.

Small deformation of forks and masts, stable and durable

More stable when lifting & lowering with loads.

Full coverage protection on mast

Standard equipped with cylinder explosion-proof valve

It can prevent accidents such as uncontrolled descent caused by unexpected rupture of oil pipes, ensuring stable descent of the load and personal safety, and preventing damage to equipment.



Built-in charger

Hidden charging plug, high safety, the whole vehicle is powered off during charging, reducing safety hazards.



High-strength forks

The forks are formed in one piece with a thickness of 8mm steel. High strength and small deformation even under heavy loads.

High lateral and longitudinal stability

Wider wheelbase and longer axle distance.

Adjustable balance wheel

Improved stability and maneuverability, suitable for different working scenarios.

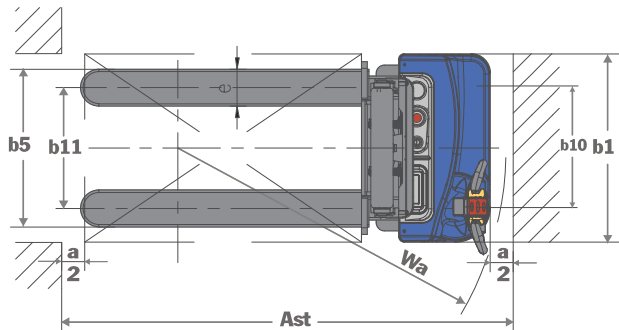
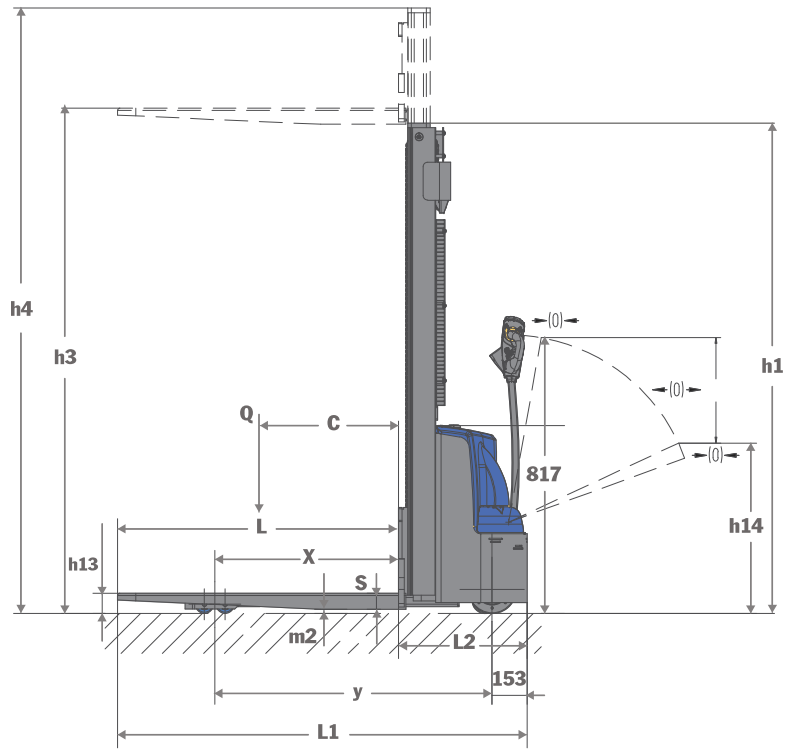
The low ground clearance of 30 mm helps to reduce the risk of foot injuries

Battery low voltage protection

Effectively avoid battery over-discharge, ensuring a longer battery life.



Dimensions



Specifications

MODEL		ASWS15H				
DISTINGUISHING MARKS						
1.3	Drive					Battery
1.4	Operator type					Pedestrian
1.5	Load capacity/rated load	Q	kg	1500		
1.6	Load centre distance	c	mm	600		
1.8	Load distance, centre of drive axle to fork	x	mm	796		
1.9	Wheelbase	y	mm	1204		
WEIGHT						
2.1	Service weight (without battery)	kg	496.4	513.4	523.4	541.4
2.2	Service weight (with 71Ah battery)	kg	543	560	570	588
2.3	Service weight (with 89Ah battery)	kg	548	565	575	593
2.4	Axle loading, laden front/rear	kg	603/1409			
2.5	Axle loading, unladen front/rear	kg	384/129			
TYRES/ CHASSIS						
3.1	Wheels	Polyurethane				
3.2	Wheel size, front	Ø x width	mm	Ø210x70		
3.3	Wheel size, rear	Ø x width	mm	Ø80x70		
3.4	Additional wheels (dimensions)	Ø x width	mm	Ø115X55		
3.5	Wheels, number front/rear (x = driven wheels)	1x + 1 / 4				
3.6	Tread, front	b10	mm	550		
3.7	Tread, rear	b11	mm	390(560)/525(680)		
DIMENSIONS						
4.2	Lowered mast height	h1	mm	1480	1730	1980
4.4	Lift height	h3	mm	2000	2500	3000
4.5	Extended mast height	h4	mm	2435	2935	3435
4.9	Height of tiller in driving position, min./max.	h14	mm	692/1255		
4.15	Height, lowered	h13	mm	90		
4.19	Overall length	l1	mm	1710		
4.20	Length to face of forks	l2	mm	561.5		
4.21	Overall width	b1	mm	820		
4.22	Fork dimensions	s/e/l	mm	70x160x1150		
4.25	Width over forks	b5	b5(mm)	560/680		
4.32	Ground clearance, centre of wheelbase	m2	m2(mm)	30		
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast	Ast(mm)	1997		
4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast	Ast(mm)	1952		
4.35	Turning radius	Wa	Wa(mm)	1490		
PERFORMANCE DATA						
5.1	Travel speed, with/without load	km/h	4/4.5			
5.2	Lift speed, with/without load	mm/s	0-87 / 0-130			
5.3	Lowering speed, with/without load	mm/s	27.8-137 / 22.5-167			
5.8	Max. gradeability, with/without load	%	5/15			
5.10	Service brake	Electromagnetic				
ELECTRIC-ENGINE						
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 (C5)	V/Ah	• 12/71 x 2 = (12/89) x 2			
6.5	Battery weight +/- 5%	kg	• 23.2 x 2(71Ah)/ • 25.8 x 2(89Ah)			
6.6	Energy consumption according to EN 16796	kWh	0.45			
ADDITION DATA						
8.1	Type of drive control	DC speed control				
8.4	Sound level at the driver's ear according to EN 12053	dB(A)	<75			

Note: 1kgs=2.2lbs, 25.4mm=1inch
 • standard ◦ option

		MAST DIMENSIONS					
		WS15H			Duplex Mast		
h1	Lowered mast height	mm	1480	1730	1980	2130	2230
h3	Lift height	mm	2000	2500	3000	3300	3500
h4	Extended mast height	mm	2435	2935	3435	3735	3935

