



Electric Reach Stacker
AERS12/15
Capacity 1200/1500kg

Join the Alliance,
we buy together,
buy the best and buy the cheapest

AERS 12/15 With 1200/1500KGS load capacity, max. lifting height 4.5m, suitable for various conditions use, our AERS series Reach stacker can be a good replacement for forklift.

Equipped with good sight mast and ergonomic design control system, enhance the working efficiency and reduce operator's fatigue.

Streamlined appearance, compact design, brings unexpected joy and comfort to the users. Small turning radius and advanced electronic controller system enhance the stability of the vehicle.

✓ Three points frame structure, simple and reliable.

With EPS, try to turn with a single finger!

✓ Relay controlled oil circuit, high sensitivity.

✓ With real-time data collected by sensors on the mast and legs, our innovative safe secure function prevent risky operation of taking back the mast while height of mast lower than 300mm. We consider every detail to make you safe.





- ✓ Size reduced cover plate, more sense of design, easier maintenance.
- ✓ Full steel cover protect from scrapes, reinforced safe assurance to core parts. No more need to worry about tiny daily damage on appearance and the resulting influence to internal systems.
- ✓ Laser cut all frame parts, high accuracy, neat and clean.

✓ Cold-drawn channel steel mast, detachable design, higher accuracy and better hardness, bright and clean.

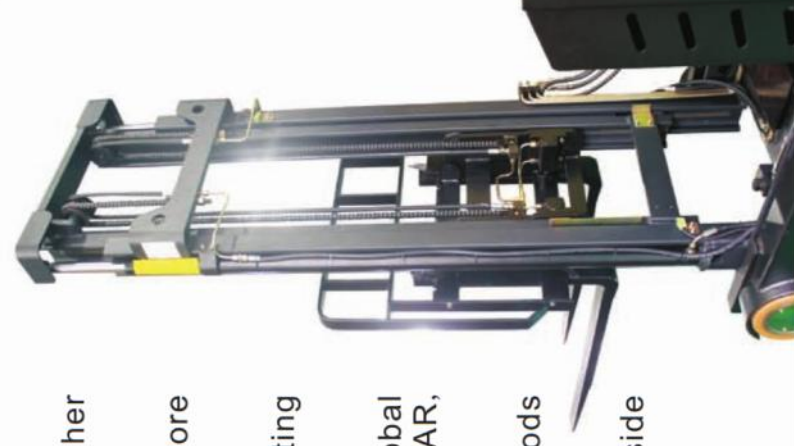
✓ Three class speed while going down, more choices more efficiency.

Better vision for operator with innovative design on relocating the third stage mast roller.

✓ All chains from famous Donghua brand, tested in global market over 24 years, same quality as supplied for YANMAR, KUBOTA.

✓ Special design on cylinder, auto-buffering to piston rods while falling. Better protect to pallet load.

✓ Inline type forward extending cylinder avoid the effect of side force, less risk of oil leakage.



Technical Data

1.1	Model		AERS12D	AERS15D	AERS12T	AERS15T	AERS12FD	AERS15FD
1.2	Mast Type		Duplex		Triplex		Duplex mast & free lift	
1.3	Mast profile		C model/H model		C model		C model	
1.4	Type of drive		Full electric		Full electric		Full electric	
1.5	Operator type		Rider		Rider		Rider	
1.6	Capacity	kg	1200	1500	1200	1500	1200	1500
1.7	Load center	mm	500	500	500	500	500	500
1.8	Wheel base	mm	1300	1400	1300	1400	1300	1400
1.9	Reach distance	mm	400	500	400	500	400	500
1.10	Electric power steering(EPS)		standard equipped					

2.1	Service weight without battery	kg	1626	1726	1795	1895	1590/1690 /1750	1690/1790 /1850
2.2	Service weight with battery	kg	1836	1936	2005	2105	1800/1900 /1960	1900/2000 /2060

3.1	wheel type		PU	PU	PU	PU	PU	PU
3.2	Size of front wheels	mm	φ 210	φ 210	φ 210	φ 210	φ 210	φ 210
3.4	Size of drive wheels	mm	φ 230	φ 230	φ 230	φ 230	φ 230	φ 230
3.5	Wheels quantity	pcs	1/2	1/2	1/2	1/2	1/2	1/2

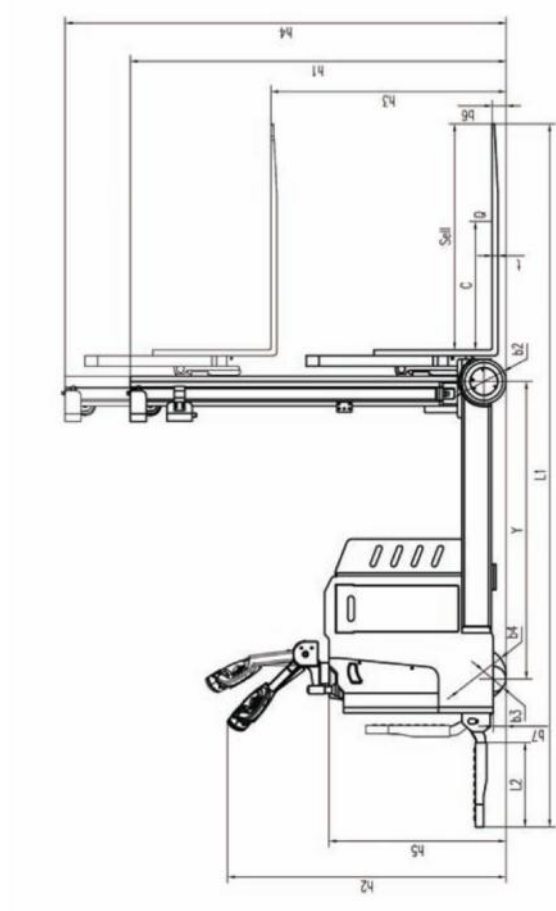
4.1	Mast lower height	mm	2040		2075		1795/2045/2195	
4.2	Overall length (with platform)	mm	3250	3350	3230	3330	3235	3350
4.3	Rear body width	mm	850/908	850/908	850/908	850/908	850/908	850/908
4.4	Height of tiller arm in drive position min./max.	mm	1030-1200					
4.5	Rear body height	mm	860	860	860	860	860	860
4.6	Mast extend height	mm	3955		5460		3370/3870/4170	

5.1	Lifting height	mm	3000		4500		2500/3000/3300	
5.2	Clearance	mm	60	60	60	60	60	60
5.3	Fork length	mm	1070	1070	1070	1070	1070	1070
5.4	Overall fork width	mm	200~680	200~680	200~680	200~680	200~680	200~680
5.5	Fork width	mm	100	100	100	100	100	100
5.6	Fork thickness	mm	35	35	35	35	35	35
5.7	Min. Turning radius	mm	1600	1680	1600	1680	1600	1600
5.8	Lowered height of fork	mm	70	70	100	100	70	70
5.9	Freelift height	mm			2026	2026	1260/1510/1660	
5.10	Fork tilting degree (forward/backward)	°	2/5	2/5	2/5	2/5	2/5	2/5
5.11	Aisle width (800*1200mm pallet): horizontal/vertical	mm	3235	3315	3210	3290	3215	3315
5.12	Aisle width (1000*1200mm pallet): horizontal/vertical	mm	3265	3345	3245	3325	3245	3345

6.1	Travel speed	laden unladen	km/h	5	5	5	5	5
6.2	Lift speed	laden unladen	mm/s	5.3	5.3	5.3	5.3	5.3
6.3	lower speed	laden unladen	mm/s	108	108	108	108	108
6.4	Gradeability	laden unladen	%	147	147	147	147	147
			mm/s	145	145	145	145	145
			mm/s	80	80	80	80	80
			%	5	5	5	5	5
			%	7	7	7	7	7

driving system	7.1	Brake type			electromagnetic
	7.2	Drive motor		kw	1.5
	7.3	Lift motor		kw	2.2
	7.4	Battery voltage/capacity		V/Ah	24/280
	7.5	Battery weight		kg	210
	7.6	battery size		mm	790×210×576
	7.7	control system			1230-2402(CURTIS)

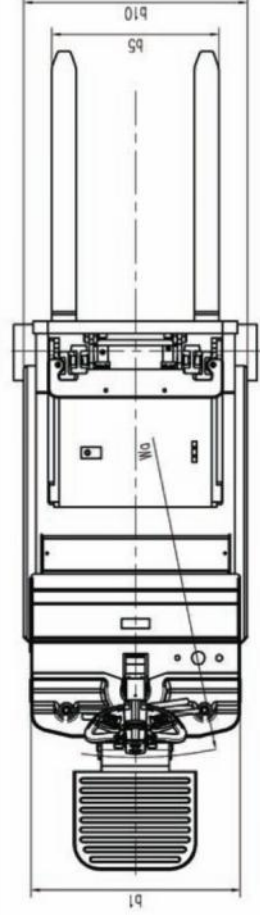
Note: We are not obliged to inform you if there will be any specification change.



Truck dimensions

Note: Specifications are effected by the condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area. If these specifications are critical, the proposed application should be discussed with your dealer.

Notice: Care must be exercised when handling elevated load. When the carriage and/or load is elevated, truck stability is reduced. Operators must be trained and adhere to the instructions contained in the Operating Manual.



Option

12D (with Duplex)

lifting height (mm)	Mast lower height (mm)	Mast extend height (mm)	Service weight with battery (kg)
1600	2120	2505	1585
2500	1790	3455	1736
3000	2040	3955	1836
3300	2190	4255	1900
3500	2290	4455	1936
4000	2540	4955	1960

15D (with Duplex)

lifting height (mm)	Mast lower height (mm)	Mast extend height (mm)	Service weight with battery (kg)
1600	2120	2505	1686
2500	1790	3455	1836
3000	2040	3955	1936
3300	2190	4255	2000
3500	2290	4455	2036
4000	2540	4955	2060

12T (with Triplex)

lifting height (mm)	Mast lower height (mm)	Mast extend height (mm)	Free lift (mm)	Service weight with battery (kg)
3700	1808	4660	1760	1965
4000	1908	4960	1860	1980
4300	2008	5260	1960	1995
4500	2075	5460	2026	2005
4800	2175	5760	2126	2020
5000	2240	5960	2192	2030

15T (with Triplex)

lifting height (mm)	Mast lower height (mm)	Mast extend height (mm)	Free lift (mm)	Service weight with battery (kg)
3700	1808	4660	1760	2065
4000	1908	4960	1860	2080
4300	2008	5260	1960	2095
4500	2075	5460	2026	2105
4800	2175	5760	2126	2120
5000	2240	5960	2192	2130



AFZA Material Handling and Storage Systems

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