



Electric Stacker
ES12/15/20 Series
Capacity 1200/1500/2000kg

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we buy together,
buy the best and buy the cheapest

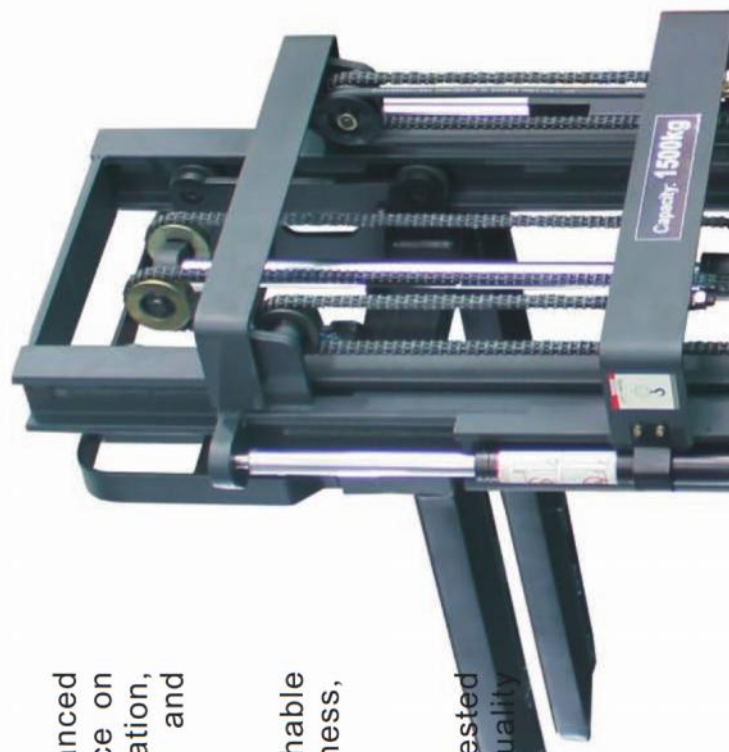
ES12/15/20 is a comfortable and high secure fork-over leg electric stacker with high lifting height and free lifting, equipped with AC drive system. Standard equipped with 210/280Ah lead-acid sideway battery, metal cover. Chassis design life over 10 years.

If you are looking for products to loading-unloading, or ordinary pallet stacking such medium duty working condition, ES12/15/20 will be your choice.

✓ Floating frame structure with advanced mounting type, larger area of thrust surface on piston rod, superior resistance to deformation, bending and abrasion, unable to loose and falling out.

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

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



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

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

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



- ✔ 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.
- ✔ Wider rider platform, good set-up spring shock absorber, more space of standing, more sense of comfortable, longer work life.
- ✔ Side slidable battery box designed for saving your precious time.



Technical Data

characteristics										
1.1	Model		ES12D	ES15D	ES20D	ES15T	ES20T	ES12FD	ES15FD	ES20FD
1.2	Mast Type		Duplex			Triplex		Duplex mast & free lift		
1.3	Mast profile		H model			H model		H model		
1.4	Type of drive		Full Electric			Full Electric		Full Electric		
1.5	Operator type		Rider			Rider		Rider		
1.6	Q Capacity	kg	1200	1500	2000	1500	2000	1200	1500	3000
1.7	C Load center	mm	600	600	600	600	600	600	600	600
1.8	Y Wheel base	mm	1380	1380	1395	1395	1395	1380	1380	1395
1.9	Electric power steering(EPS)		standard equipped							
weight										
2.1	Service weight without battery	kg	720	880	920	1170	920	610/780 /880	840/940 /990	880/980 /1030
2.2	Service weight with battery	kg	930	1090	1380	1380	1380	820/990 /1090	1050/1150 /1200	1090/1190 /1240
wheel										
3.1	wheel type		PU	PU	PU	PU	PU	PU	PU	PU
3.2	b ₂ Size of front wheels	mm	φ 78	φ 78	φ 78	φ 78	φ 78	φ 78	φ 78	φ 78
3.3	b ₃ Size of rear wheels	mm	φ 124	φ 124	φ 124	φ 124	φ 124	φ 124	φ 124	φ 124
3.4	b ₄ Size of drive wheels	mm	φ 230	φ 230	φ 230	φ 230	φ 230	φ 230	φ 230	φ 230
3.5	Wheels quantity	pcs	1/2/4							
chassis										
4.1	h ₁ Mast lower height		2045			2075	2075	1795/2045/2195		
4.2	h ₄ Mast extend height	mm	3540			5096	5096	3035/3535/3835		
4.3	l ₁ Overall length (with platform)	mm	2540			2525	2525	2460	2460	2460
4.4	Overall length (without platform)	mm	2140			2125	2125	2060	2060	2060
4.5	b ₁ b ₂ Rear body width	mm	800	800	850	800/850 (h3≥5000mm :850mm)		800	800	850
4.6	l ₂ Rear body length	mm	585	585	585	585	585	585	585	585
4.7	B Overall width	mm	800	800	990	940	990	800	800	990
4.8	l ₁ l ₃ Height of tiller arm in drive position min./max.	mm	1030-1200							
4.9	b ₈ Rear body height	mm	800	800	800	800	800	800	800	800
specifications										
5.1	b ₇ Clearance	mm	40	40	40	40	40	30	30	40
5.2	Stell Fork length	mm	1150	1150	1150	1150	1150	1150	1150	1150
5.3	b ₅ Overall fork width	mm	540/560/580/680							
5.4	W _a Min. Turning radius	mm	1637	1637	1637	1650	1650	1637	1637	1637
5.5	b ₆ Lowered height of fork	mm	90	90	90	90	90	70	70	70
5.6	E Fork width	mm	170	170	185	170	185	170	170	185
5.7	h ₃ Lifting height	mm	3000	3000	3000	4500	4500	2500/3000/3300		
5.8	H Freelift height	mm				2026	2026	1320/1570/1720		
5.1	Aisle width (800*1200mm pallet): horizontal/vertical	mm	2530	2530	2530	2575	2575	2530	2530	2530
5.1	Aisle width (1000*1200mm pallet): horizontal/vertical	mm	2600	2600	2600	2635	2635	2600	2600	2600
performance										
6.1	Travel speed	laden unladen	km/h	5	5	5	5	5	5	5
6.2	Lift speed	laden unladen	mm/s	58	58	58	58	58	58	58
6.3	lower speed	laden unladen	mm/s	145	145	145	145	145	145	145
6.4	Gradeability	laden unladen	%	5	5	5	5	5	5	5

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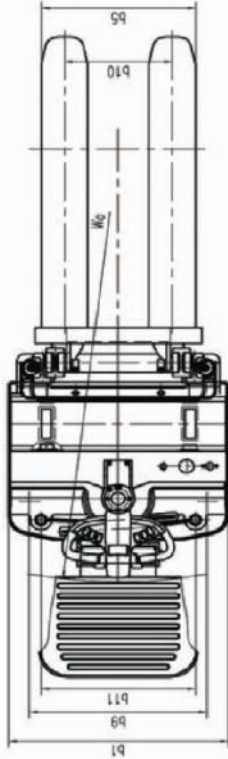
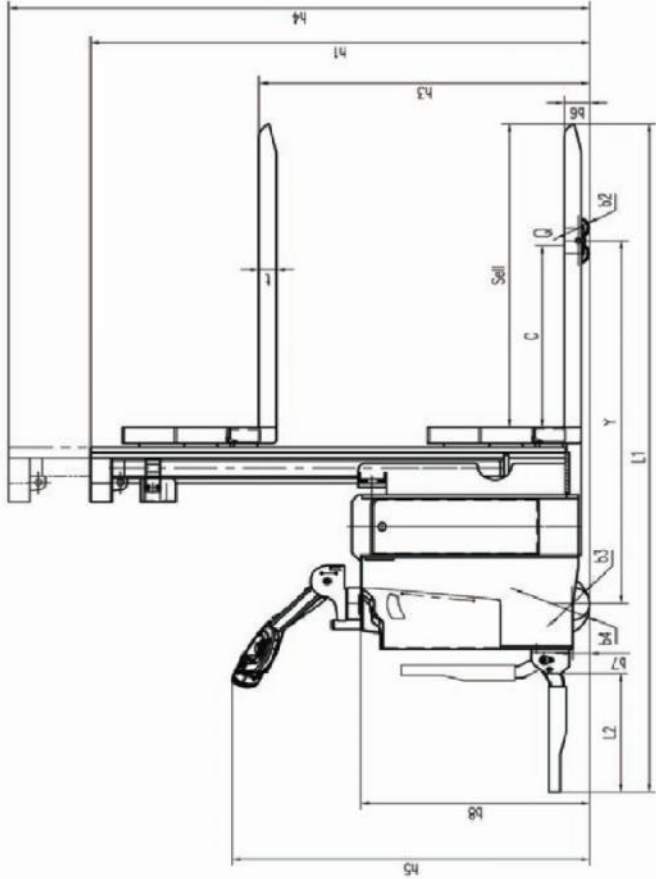
7.1	Brake type		electromagnetic
7.1	Drive motor	kw	1.3(horizontal AC motor)/1.5(vertical motor-EPS)
7.2	Lift motor	kw	2.2
7.3	Battery voltage/capacity	V/Ah	24V 210/280Ah
7.4	Battery weight	kg	210
7.5	battery size	mm	790×210×576
7.6	control system		1230-2402(CURTIS)

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.



Technical Data

ES12D (with Duplex)

lifting height (mm)	Mast lower height (mm)	Mast extend height (mm)	Service weight with battery (kg)
1600	2050	2050	650
2500	1795	3040	760
3000	2045	3540	930
3300	2195	3840	1030
3500	2295	4040	1090
4000	2545	4540	1150

ES15/20D (with Duplex)

lifting height (mm)	Mast lower height (mm)	Mast extend height (mm)	Service weight with battery (kg)
1600	2050	2095	820
2500	1795	3040	990
3000	2045	3540	1090
3300	2195	3840	1140
3500	2295	4040	1220
4000	2545	4540	1245

ES15/20T (with Triplex)

lifting height (mm)	Mast lower height (mm)	Mast extend height (mm)	Free lift (mm)	Service weight with battery (kg)
3700	1808	4296	1760	1270
4000	1908	4596	1860	1285
4300	2008	4896	1960	1300
4500	2075	5096	2026	1380
4800	2175	5395	2126	1395
5000	2245	5595	2192	1405
5300	2345	5895	2292	1420



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