

Let's grow together

CQE12(S)/CQE15S

Electric Stacker 1.2/1.5t

Special Design For Narrow Aisle and Non-standard Pallets

EP EQUIPMENT CO.,LTD
www.ep-ep.com

FEATURE

Performance

- The innovative AC system offers strong power, accurate control,excellent performance.
- High strength vertical gearbox, longer working life.
- Low-noise but durable hydraulic unit, good quality cylinder as well as hose ensure the high reliability of hydraulic system.
- AMP connector and durable electric wires greatly reduce malfunctions of components.
- CJ shape mast channel improves the strength of the whole truck.
- Applied with electric valve on& better heat releasing systems support long time operation.







Safety

- Safe hydraulic system design prevents mast from falling down abruptly when hydraulic pipeline cuts off.
- Emergency reverse belly button protects the operator from getting hurt.
- Emergency disconnector will cut off power source to avoid accident when truck goes out of control.
- Multiple lifting limit protection ensures safety.
- Automatic switch to lower speed when the fork reaches its setting height.
- Anti-rolling back brake keeps the truck from skidding down when truck is out of control or travelling on ramp.
- Electric valve will be locked up when power is cut off.
- Dual monitoring power steering.

Operation

- With the new design of ergonomical tiller head, all buttons can be reached conveniently &comfortably.
- Foldable platform reduces vibration which makes operator feel more comfortable.
- Compact design, flexible and operational.
- When platform is folded, truck can work at low speed in smaller space.
- Side-open battery design for easy battery replacement and various applications.
- Electric proportional valve equiped as standard feature.
- Electric power steering, smooth & comfortable (EPS).

Maintenance

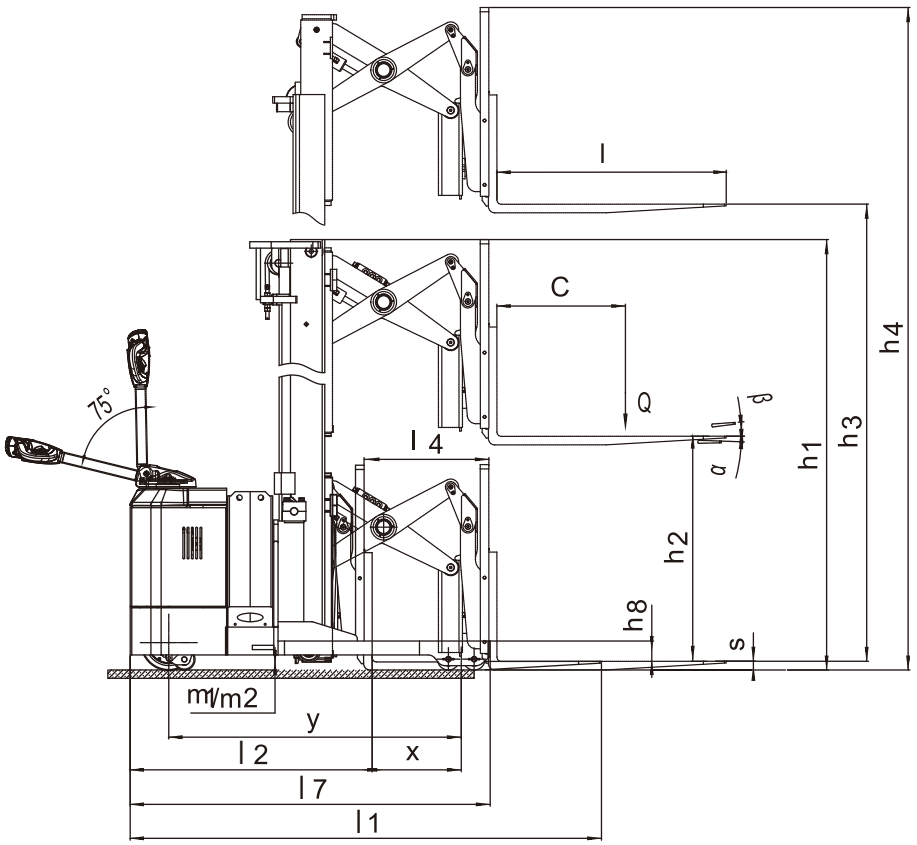
- AC traction motor, maintenance free.
- Hour meter and battery indicator remind the operator of battery charging.
- Easily remove the back cover by only loosing two bolts; Access to all key components for inspection, maintenance and replacement.
- Vertical motor makes the inspection & service much more convenient.
- Control system allows easy trouble-shooting.
- Low voltage cut off setting protects batteries.

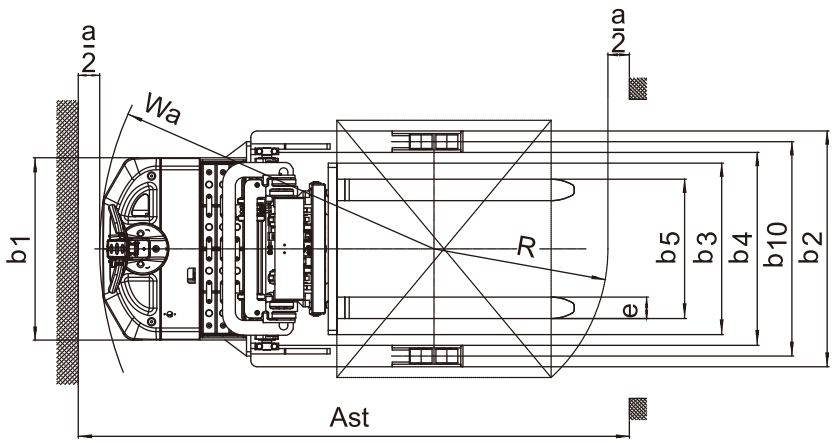


Reach Fork Electric Stacker 1.2/1.5t
CQE12(S)/CQE15S

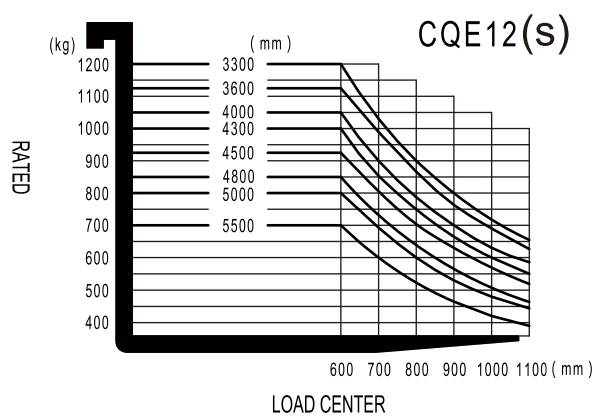
Distinguishing mark						
1.1	Manufacturer			EP	EP	EP
1.2	Model designation			CQE12	CQE12S	CQE15S
1.3	Drive unit			Battery	Battery	Battery
1.4	Operator type			pedestrian	standing	standing
1.5	rated capacity	Q	t	1.2	1.2	1.5
1.6	Load center distance	c	mm	600	600	600
1.9	Wheelbase	y	mm	1365	1365	1395
Weight						
2.1	Service weight （include battery）		kg	1835①	1835①	1865①
2.2	Axle loading, fork advanced, unladen driving side/loading side			1140/705	1140/705	1150/715
2.3	Axle loading, fork retracted, unladen driving side/loading side			1240/605	1240/605	1250/615
2.4	Axle loading, fork advanced, laden driving side/loading side		kg	285/2760	285/2760	310/3055
2.5	Axle loading, fork retracted, laden driving side/loading side		kg	975/2070	975/2070	1075/2290
Types,Chassis						
3.1	Tyre type driving wheels/loading wheels			polyurethane/polyurethane	polyurethane/polyurethane	polyurethane/polyurethane
3.2	Tyre size, driving wheels（diameter×width）		mm	Φ230× 75	Φ230× 75	Φ260 × 105
3.3	Tyre size, loading wheels（diameter×width）		mm	Φ102× 73	Φ102× 73	Φ102× 73
3.4	Tyre size, caster wheels（diameter×width）					Φ100× 73
3.5	Wheels, number driving，caster/loading (x=drive wheels)		mm	1×/4	1×/4	1×2/4
3.6	Track width, front,driving side	b_{10}	mm	0	0	0
3.7	Track width,rear,loading side	b_{11}	mm	1000	1000	1000
Dimensions						
4.1	Tilt of mast/fork carriage forward/backward	α/ β	°	2/4	2/4	2/4
4.2	Height, mast lowered	h_1	mm	2090②	2090②	2090②
4.3	Free lift （load backrest）	h_2	mm	0②	0②	0②
4.4	Lift height	h_3	mm	3000②	3000②	3000②
4.5	Height, mast extended	h_4	mm	3960②	3960②	3960②
4.8	Seat height/standing height	h_7	mm		150	150
4.10	Height of wheel arms	h_8(mm)	mm	135	135	135
4.19	Overall length （minimum）	l_1	mm	2200③	2310③	2340③
4.20	Length to face of forks	l_2	mm	1130	1240	1270
4.21	Overall width	b_1/ b_2	mm	850/1100	850/1100	850/1100
4.22	Fork dimensions	s/ e/ l	mm	40/100/1070	40/100/1070	40/100/1070
4.23	Fork carriage class/type A, B		mm	A	A	A
4.24	Fork carriage width	b_3	mm	800	800	800
4.25	Distance between fork-arms	b_5	mm	200-780	200-780	200-780
4.26	Distance between wheel arms/loading surfaces	b_4	mm	900	900	900
4.28	Reach distance	l_4	mm	590	590	590
4.31	Ground clearance, laden, below mast	m_1	mm	70	70	70
4.32	The minimum ground clearance of frame	m_2	mm	70	70	70
4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	2570③	2665③	2695③
4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast	mm	2610③	2700③	2730③
4.35	turning radius	Wa	mm	1560	1660	1690
4.37	Length across wheel arms （exclusive fork）	l_7	mm	1680	1790	1820
Performance data						
5.1	Travel speed, laden/ unladen		km/ h	5.5/6	5.5/6	5.5/6
5.2	Lifting speed, laden/ unladen		m/ s	0.105/ 0.135	0.105/ 0.135	0.11/ 0.14
5.3	Lowering speed, laden/ unladen		m/ s	0.14/ 0.14	0.14/ 0.14	0.24/ 0.24
5.4	Reaching speed, laden / unladen		m/ s	0.11/0.11	0.11/0.11	0.12/0.12
5.8	Max. gradeability, laden/unladen		%	6/10	6/10	6/10
5.10	Service brake type			Electromagnetic	Electromagnetic	Electromagnetic
Electric-engine						
6.1	Drive motor rating S2 60 min		kW	1.27	1.6	3.3
6.2	Lift motor rating at S3 15%		kW	3	3	3
6.3	The maximum allowed size battery		mm	815×208×630	815×208×630	815×208×630
6.4	Battery voltage/nominal capacity K5		V/ Ah	24/210④	24/210④	24/280④
6.5	Battery weight		kg	190④	190④	230④
Addition data						
8.1	Type of drive unit			AC	AC	AC
10.5	Steering type			Mechanical	Electronic	Electronic
10.7	Sound pressure level at the driver's ear		dB (A)	74	74	74

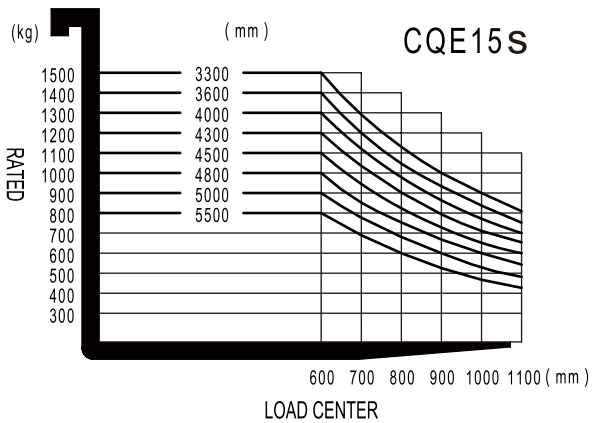
1.The parameters in the table are of the standard model. For more information, please contact us.
2.The parameters are subject to change without notice.





RATED CAPACITIES GRAPH





① Service weight （include battery）

Mast height（mm）	Service weight（kg）	
2-stage mast	CQE12(s)	CQE15s
2700	1825	1855
3000	1835	1865
3300	1845	1875
3600	1855	1885
4000	1865	1895
4300	1875	1905
3-stage mast	CQE12(s)	CQE15s
4000	2065	2095
4500	2080	2110
4800	2090	2120
5000	2095	2125
5500	2110	2140

②Mast

2-stage mast	CQE12(S)/CQE15S		
Lift height	Lowered mast height	Free lift	Extended mast height
h_3	h_1	h_2	h_4
2700	1940	0	3660
3000	2090	0	3960
3300	2240	0	4260
3600	2390	0	4560
4000	2590	0	4960
4300	2740	0	5260
3-stage mast	CQE12(S)/CQE15S		
Lift height	Lowered mast height	Free lift	Extended mast height
h_3	h_1	h_2	h_4
4000	1960	1000	4955
4500	2130	1170	5455
4800	2230	1270	5760
5000	2295	1335	5960
5500	2460	1500	6460

③Dimensions（mm）

		CQE12		CQE12S		CQE15s	
		2-stage mast	3-stage mast	2-stage mast	3-stage mast	2-stage mast	3-stage mast
Overall length （minimum）	l_1	2200	2210	2310	2320	2340	2350
Aisle width for pallets 1000 × 1200 crossways	Ast	2570	2580	2665	2675	2695	2705
Aisle width for pallets 800 × 1200 lengthways	Ast	2610	2620	2700	2720	2730	2750
Aisle width for pallets 1000 × 1200 lengthways	Ast	2660	2670	2755	2765	2785	2795
Aisle width for pallets 800 × 1200 crossways	Ast	2455	2460	2550	2555	2580	2585

④ Battery

CQE12(s)	standard	option	option	option
Capacity (Ah)	210	224（maintenance free battery）	280	360
Battery weight (kg)	190	150	230	300
CQE15s	standard	option	option	option
Capacity (Ah)	280	224（maintenance free battery）	210	360
Battery weight (kg)	230	150	190	300

Option

Options	CQE12	CQE12S	CQE15S
Driving pedal	——	○	●
electronic power steering	——	●	●
battery capacity	●210Ah ○224/280/360Ah	●210Ah ○224/280/360Ah	●280Ah ○210/224/360Ah
lateral change battery	●	●	●
cold storage	○	○	○
side shift	○	○	○

● standard ○ option

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