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MAKE EVERYTHING EASIER





00109Q12296RIM/3302
00109E20323RIM/3302
00109S10127RIM/3302



CNAS C001-Q, E, S



AC **EPS**
(Option)

CQDH18C

SAFETY AND PRODUCTIVITY:

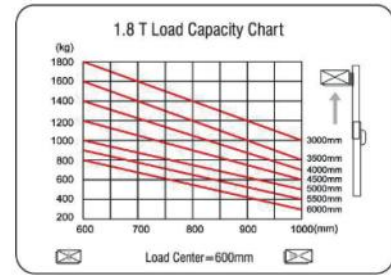
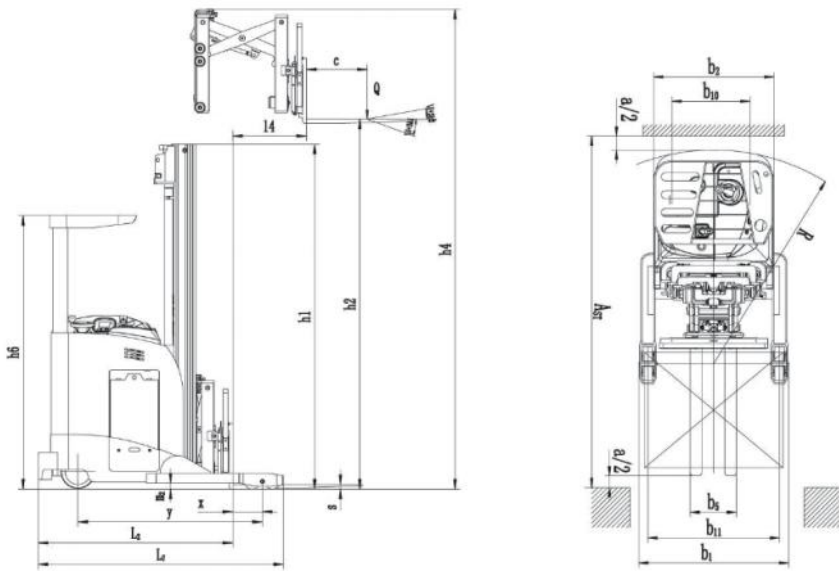
- AC motor drive with high efficiency, no need to replace carbon brush, very good ramp starting performance.
- Two model function can control the speed of lift and lowering.
- Low center of gravity, excellent stability for operation.
- Small turning radius, good turning performance
- With advanced variable frequency AC motor free maintenance and excellent performance.
- Can control the speed of driving and lifting in the same time.
- Shock absorber system support good noise reduction.
- Wide view mast and clear visibility.
- With full free lifting, can work in the limited roof environment.
- Import proportional hydraulic valve, adjustable speed for lifting/lowering.
- Multi-function display: battery status, hour meter, fault code, slow running state, etc

- Big power controller (350A) with big power electric motor (10KW), support excellent reliability.
- Double scissors reach fork let the reach distance up to 1000mm.
- The mast fixed with the frame, when fork move forward, the mast can become the balance weight, reduce the total service weight.
- With advanced 36V electric control system, smaller electric current, ensure the reliability of the battery system.
- High speed of lifting and lowering, 300% faster than normal type truck.

STRUCTURAL:

- Side way battery is very convenient to do maintenance and replace batteries
- CANbus technology reduces wiring complexity, making the line clear and orderly. increases the truck's reliability and easy to repair.
- The Mast can be separate from the frame, very good interchange ability (option).

Model	CQH18C (single scissor)	
Drive: electric (battery type, mains, ...), diesel, petrol, fuel gas		Electric
Operator type: hand, pedestrian, standing, seated, order-picker		Standing
Rated capacity/rated load	Q (kg)	1800
Load centre distance	c (mm)	600
Load distance, centre of drive axle to fork	x (mm)	246
Wheelbase	y (mm)	1522
Service weight	kg	3310/3360/3410 3550/3650/3750/3850/3950
Axle loading, unladen front/rear	kg	1270/2380
Axle loading, fork advanced, laden front/rear	kg	3480/1970
Axle loading, fork retracted, laden front/rear	kg	3330/2120
Tyres: solid rubber, superelastic, pneumatic, polyurethane		Polyurethane
Tyre size, front		Φ280×100
Tyre size, rear		Φ125x82
Additional wheels (dimensions)	b ₁₀ (mm)	Φ160x60
Wheels, number front/rear (x = driven wheels)	b ₁₁ (mm)	1x+2/4
Tread, front	a/b (°)	673
Tread, rear	h ₁ (mm)	1140
Tilt of mast/fork carriage forward/backward	h ₂ (mm)	2/5
Height, mast lowered	h ₂ ^(*) (mm)	2125/2375/2625 2185/2345/2505/2675/2835
Free lift	h ₃ (mm)	N/A 1575/1700/1825/2000/2125
Lift	h ₄ (mm)	3000/3500/4000 4500/5000/5500/6000/6500
Height, mast extended	h ₆ (mm)	3900/4400/4900 5400/5900/6400/6900/7381
Height of overhead guard (cabin)	l ₁ (mm)	2246
Overall length	l ₂ (mm)	2716
Length to face of forks	b ₁ /b ₂ (mm)	1618
Overall width	s/e/l (mm)	1298/1040
Fork dimensions DIN ISO 2331		40/100/1070
Fork carriage ISO 2328, class/type A, B	b ₃ (mm)	2A
Fork-carriage width	b ₅ (mm)	940 940
Fork spread	b ₄ (mm)	200-680 200-680
Distance between wheel arms/loading surfaces	l ₄ (mm)	982 982
Reach distance	m ₁ (mm)	500
Ground clearance, laden, below mast	Ast (mm)	49
Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	3013
Aisle width for pallets 800 × 1200 lengthways	Wa (mm)	3085
Turning radius	l ₇ (mm)	1848
Length across wheel arms	km/h	2023
Travel speed, laden/unladen	m/s	6.5/7.0
Lift speed, laden/unladen	m/s	0.20/0.30
Lowering speed, laden/unladen	m/s	0.32/0.312
Reaching speed, laden/unladen	%	0.1 0.1
Max. gradeability, laden/unladen		5/12
Service brake	kW	Electromagnetic
Drive motor rating S2 60 min	kW	3.0(AC)
Lift motor rating at S3 15%	(V)/(Ah) or kWh	10.0(AC)
Battery voltage/nominal capacity K5	kg	36/700
Battery weight	dB (A)	810
Sound pressure level at the driver' s seat		75



CQDH18C (single scissor)

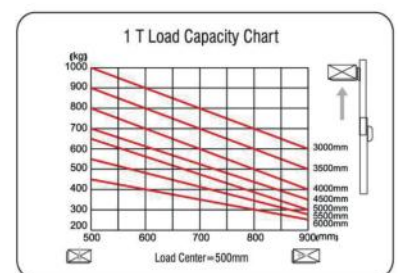
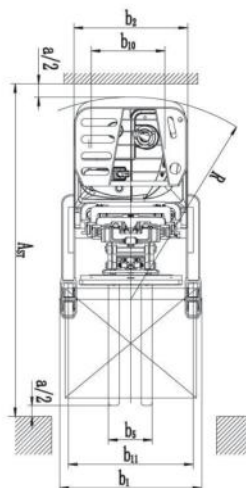
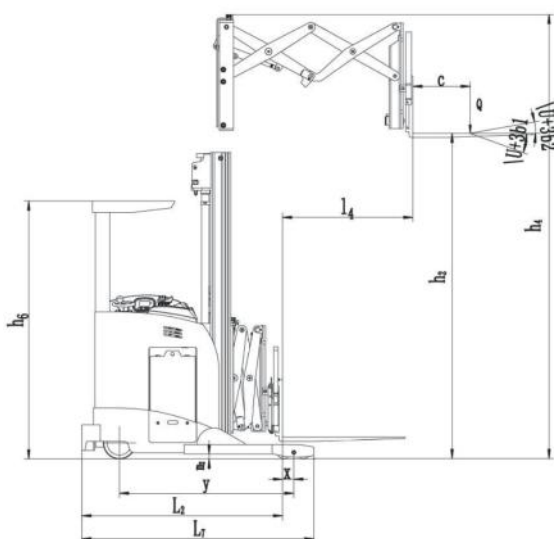


Multi function display.



Control handle with integrated thumb stick, allows smooth operation of (1) Travel , (2) Lift/low, (3) controls Tilt and Fork Reach.

Model		CQDH18C(double scissors)				
Drive type		Battery	Battery			Battery
Load capacity/rated load	Q(kg)	1000	1000			1000
Load centre distance	c(mm)	600	600			600
Load distance,centre of drive axle fork	x(mm)	123	99			99
Tyre size,front	mm	280x100+160x60x2	280x100+160x60x2			280x100+160x60x2
Tyre size,rear	mm	125x82(4)	125x82(4)			125x82x(4)
Wheels,number front rear (x=driven wheels)		1x+2/4	1x+2/4			1x+2/4
Tilt of mast(fork carriage forward/backward)	grad	2/5	2/5			2/5
Height,mast lowered	h_1 (mm)	2125	2375	2625	2185	2345 2505 2675 2840
Free lift	h_2 (mm)				1575	1700 1825 2000 2125
Max,lift height	h_3 (mm)	3000	3500	4000	4500	5000 5500 6000 6500
Height,mast extended	h_4 (mm)	4035	4535	5035	5535	6035 6535 7035 7535
Height of overhead guard	h_6 (mm)	2246	2246			2246
Overall width	b_1, b_2 (mm)	1298/1040	1298/1040			1298/1040
Overall length	l_1 (mm)	2585	2609			2609
Length to face of forks	l_2 (mm)	1726	1750			1750
Fork dimension	s/e/l(mm)	40/100/1070	40x100x1070			40x100x1070
Reach distance	l_4 (mm)	1200	1200			1200
Fork height,lowered	h_8 (mm)	40	40			40
Distance of "X" (see below diagram)	mm	450	450			450
Overall length(excluding the fork)	mm	2023	2023			2023
Ground clearance,centre of wheelbase	m_2 (mm)	49	49			49
Aisle width for pallets1000x1200 crossways	A_{st} (mm)	3110	3131			3131
Aisle width for pallets800x1200 lengthways	A_{st} (mm)	3197	3220			3220
Turning radius	W_a (mm)	1848	1848			1848
Travel speed,laden/unladen	Km/h	6.5/7	6.5/7			6.5/7
Lift speed,laden/unladen	m/s	0.2/0.3	0.2/0.3			0.2/0.3
Lowering speed,laden/unladen	m/s	0.32/0.312	0.32/0.312			0.32/0.312
Battery voltage,nominal capacity K5	V/Ah	36/700	36/700			36/700
Battery weight	kg	810	810			810
Battery dimension l/w/h	mm	978x395x765	978x395x765			978x395x765
Service weight(with battery)	kg	3410	3460	3560	3700	3800 3900 4000 4100



CQDH18C (double scissors)



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