

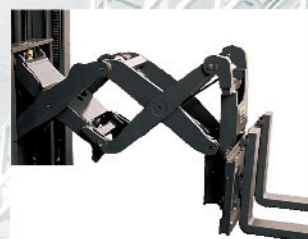
CQDH15R Electric Reach Truck

AC/EPs

Magnetic Valve Control



No foot pedal & guard



Option: Double scissor forks



Frei Tiller Head
Standard Frei Tiller Head

Characteristics

Structure

- The truck has compact structure and the platform is optional.
- Low gravity ensures safety operation.
- Water proof and dust proof motor structure keeps the braking and motor more durable and reliable.
- Multi function display with BDI, hour meter and fault code is adopted.
- Vertical driving wheel ensures convenient maintenance and small turning radius.
- The mast and frame are dividable and exchangeable.

Safety and Efficiency

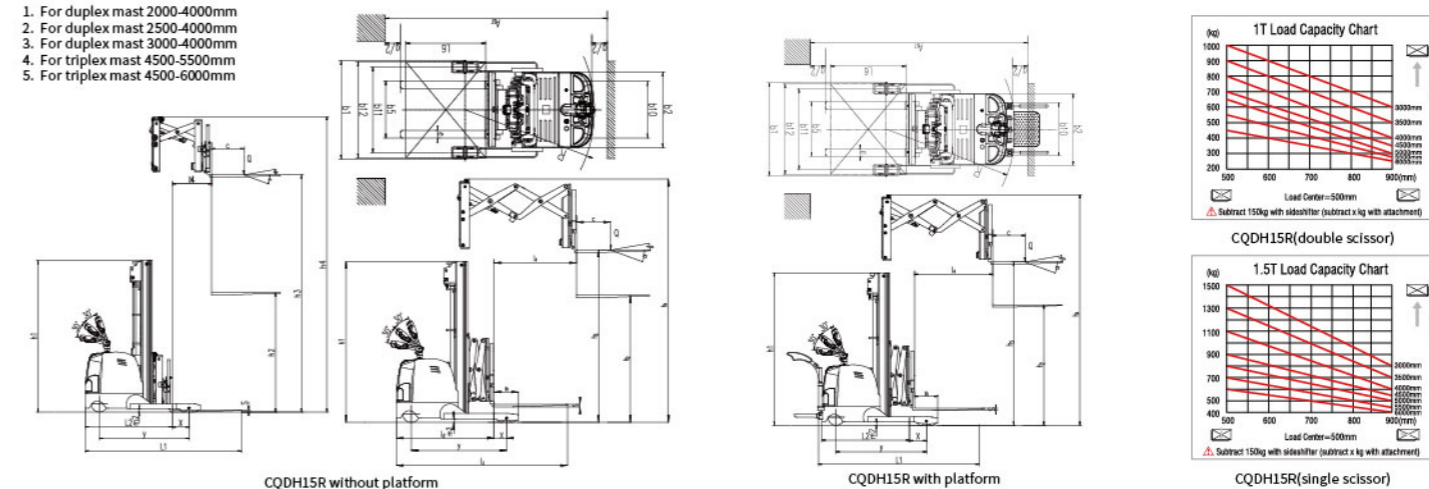
- Advanced AC drive motor eliminates replacement of carbon brush and has good ramp starting performance.
- The Germany Frei handle is adopted to control driving speed, lifting/lowering speed, sideshift, fork reach and tilting.
- Cylinder have safety explosion proof valve which avoids fork dropping suddenly when oil tube is broken and thus ensures the safety of operator.
- The truck has the automatic speed deceleration when lifting height is up 1.8M.
- Mast with micro switch limit the cylinder lifting height which avoids mast shock problems.
- Low voltage protection setting prolongs the battery life.
- Option EPS power steering system makes steering more light and reliable.



Manufacturer's Data and Technical Characteristics

Characteristics		HELI CQDH15R				
		Single scissor with platform(multi-valve)	Single scissor with platform(magnetic valve)	Single scissor without platform(magnetic valve)	Double scissor with platform(magnetic valve)	Double scissor without platform(magnetic valve)
1.01	Manufacturer	HELI				
1.02	Model	CQDH15R				
1.03	Load capacity	Q kg 1500	1500	1500	1000	1000
1.04	Load centre distance	C mm 500	500	500	500	500
1.05	Front overhang,centre of load wheel axle to fork	X mm 287(double mast) 315(triple mast)	287(double mast) 315(triple mast)	269(double mast) 248(triple mast)	150	150
1.06	Driving mode	Stand-up rider (Optional electric steering)	Stand-up rider (Optional electric steering)	Walking style(Optional electric power steering)	Stand-up rider (Optional electric steering)	Walking style(Optional electric power steering)
1.07	Wheel base	Y mm 1319/1354	1319/1354	1319/1354	1319/1354	1319/1354
Tyre		Polyurethane				
2.01	Tyre type	Polyurethane				
2.02	Wheels,number front rear(x=driven wheels)	1x+2/4	1x+2/4	1x+2/4	1x+2/4	1x+2/4
2.03	Tyre size,front	mm φ250x80+150x62	φ250x80+150x62	φ250x80	φ250x80+150x62x2	φ250x80+150x62x2
2.04	Tyre size,rear	mm φ125x82x4	φ125x82x4	φ125x82x2	φ125x82x4	φ125x82x4
2.05	Tread front	b10 mm 715	715	715	715	715
2.06	Tread rear	b11 mm 1074/1154	1074/1154	1074/1154	1074/1154	1074/1154
Dimension						
3.01	Lift height	h3 mm 2500/3000/3500/ 4000/4500/5000/5500	2500/3000/3500/ 4000/4500/5000/5500	2000/2500/3000/3500/ 4000/4500/5000/5500/6000	3000/3500/4000/ 4500/5000/5500	3000/3500/4000/ 4500/5000/5500
3.02	Height, mast extended	h4 mm 3381/3881/4381/ 4881/5381/5881/6381	3381/3881/4381/ 4881/5381/5881/6381	2881/3381/3881/4381/ 4881/5381/5881/6381	4035/4535/5035/ 5535/6035/6535	4035/4535/5035/ 5535/6035/6535
3.03	Height, mast lowered	h1 mm 1869/2119/2369/ 2619/2119/2369/2499	1869/2119/2369/ 2619/2119/2369/2499	1619/1869/2119/2369/ 2619/2119/2369/2499	2125/2375/2625/ 2185/2345/2505	2125/2375/2625/ 2185/2345/2505
3.04	Free lift	h2 mm - / - / - / - / - / -	- / - / - / - / - / -	- / - / - / - / - / -	1575/1700/1825	1575/1700/1825
3.05	Fork dimensions,thickness/width/length	s/e/l mm 35/100/1070	35/100/1070	35/100/1050	35/100/1070	35/100/1070
3.06	Forks, tilt forward/back	° 2/5	2/5	2/5	2/5	2/5
3.07	Overall length	l1 mm 2364/2364/2364/ 2364/2384/2384/2384	2364/2364/2364/ 2364/2384/2384/2384	2389 ¹ /2430 ⁵	2635 ¹ / 2655 ⁴	2535 ² /2555 ⁴
3.08	Length to shank of forks(fork excluded)	l2 mm 1388 ² / 1427 ⁴	1388 ² / 1427 ⁴	1319 ¹ /1360 ⁵	1565 ¹ / 1585 ⁴	1465 ² /1485 ⁴
3.09	Overall width	b1/b2 mm 1200-1300/950	1220 ² 1300 ⁴ /950	1220 ¹ 1300 ⁵ /950	1232/950	1232/950
3.10	Reach distance	l4 mm 500	500	500	1200	1200
3.11	Aisle width with pallet 1000Lx1200W	Ast mm 2742 ² /2767 ⁴	2834 ² /2867 ⁴	2733 ¹ /2770 ⁵	2960 ¹ /2983 ⁴	2860 ² /2883 ⁴
3.12	Aisle width with pallet 1200Lx800W	Ast mm 2806 ² /2830 ⁴	2904 ² /2940 ⁴	2800 ¹ /2840 ⁵	3040 ¹ /3063 ⁴	3040 ² /3063 ⁴
3.13	Minimum turning radius	R mm 1613 ² /1647 ⁴	1692 ² / 1710 ⁴	1588 ¹ /1608 ⁵	1743 ¹ /1763 ⁴	1643 ² /1663 ⁴
Performance						
4.01	Travel speed,laden/unladen	Km/h 4.8/5	4.8/5	4.8/5	4.8/5	4.8/5
4.02	Lift speed,laden/unladen	m/s 0.095/0.12	0.095/0.12	0.095/0.12	0.095/0.12	0.095/0.12
4.03	Lowering speed,laden/unladen	m/s 0.2/0.15	0.2/0.15	0.2/0.15	0.2/0.15	0.2/0.15
4.04	Gradeability,laden/unladen	% 5/12	5/12	5/12	5/12	5/12
Electrical configuration						
5.01	Drive motor power	kw 1.5 AC/2.2 AC	1.5 AC/2.2 AC	2.2 AC	1.5 AC/2.2 AC	1.5 AC/2.2 AC
5.02	Lifting motor power	kw 3.3 (4.5)	3.3 (4.5)	4.5	3.3 (4.5)	3.3 (4.5)
5.03	Battery voltage,nominal capacity (5-hour discharge)	V/Ah 24/320(460)	24/320(460)	24/220(460)	24/320	24/320
5.04	Battery dimensions l/w/h	mm 812x270x535 /812x270x575	812x270x575	812x270x535 /812x270x575	812x270x535	812x270x535
5.05	Brake	Electromagnetic brake	Electromagnetic brake	Electromagnetic brake	Electromagnetic brake	Electromagnetic brake
Weight						
6.01	Total weight(with battery)	kg 2250/2300/2350/ 2350/2500/2550/2600	2250/2300/2350/ 2350/2500/2550/2600	2250/2250/ 2300/2350/2350	2330/2380/2380/ 2530/2580/2630	2330/2380/2380
6.02	Battery weight	kg 285(360)	285(360)	285(360)	285	285

- For duplex mast 2000-4000mm
- For duplex mast 2500-4000mm
- For duplex mast 3000-4000mm
- For triplex mast 4500-5500mm
- For triplex mast 4500-6000mm



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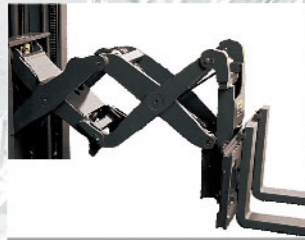
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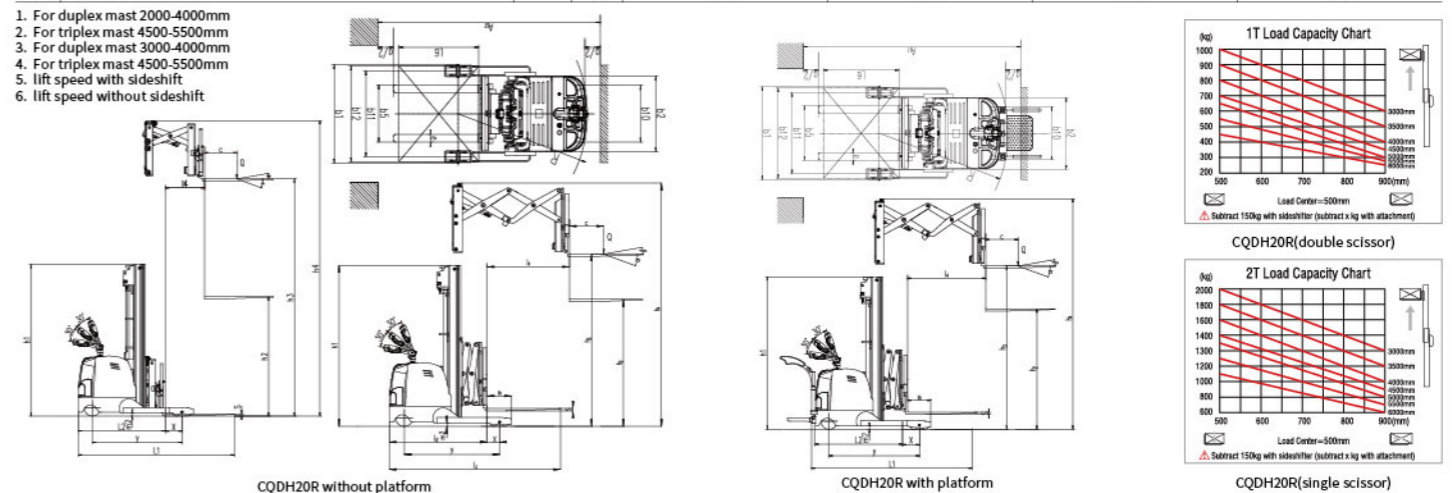
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Manufacturer's Data and Technical Characteristics

Characteristics		HELI CQDH20R			
1.01	Manufacturer				
1.02	Model		Single scissor with platform	Single scissor without platform	Double scissors with platform
1.03	Load capacity	Q	kg	2000	2000
1.04	Load centre distance	C	mm	500	500
1.05	Front overhang, centre of load wheel axle to fork	X	mm	265(double mast) /262(triple mast)	265(double mast) /262(triple mast)
1.06	Driving mode			Stand-up rider (Electric steering)	Walking style(Optional electric power steering)
1.07	Wheel base	Y	mm	1462/1481	1462/1481
Tyre		Polyurethane			
2.01	Tyre type				
2.02	Wheels, number front rear(x=driven wheels)			1x+2/4	1x+2/4
2.03	Tyre size, front		mm	φ250x80+150x62	φ250x80
2.04	Tyre size, rear		mm	φ125x82x4	φ125x82x2
2.05	Tread front	b10	mm	710	710
2.06	Tread rear	b11	mm	1120	1120
Dimension					
3.01	Lift height	h3	mm	2500/3000/3500/ 4000/4500/5000/5500	2000/2500/3000/3500/ 4000/4500/5000/5500
3.02	Height, mast extended	h4	mm	3397/3897/4397/ 4897/5397/5897/6397	2897/3397/3897/4397/ 4897/5397/5897/6397
3.03	Height, mast lowered	h1	mm	1875/2125/2375/ 2625/2185/2345/2505	1625/1875/2125/2375/ 2625/2185/2345/2505
3.04	Free lift	h2	mm	- / - / - / - / - / -	- / - / - / - / - / -
3.05	Fork dimensions, thickness/width/length	s/e/l	mm	40/100/1070	40/100/1050
3.06	Forks, tilt forward/back	°		2/5	2/5
3.07	Overall length	l1	mm	2550 ² /2574 ²	2450 ² /2474 ²
3.08	Length to shank of forks(fork excluded)	l2	mm	1480 ² /1504 ²	1380 ² /1404 ²
3.09	Overall width	b1/b2	mm	1200-1300/950	1220-1300/950
3.10	Reach distance	l4	mm	500	500
3.11	Aisle width with pallet 1000Lx1200W	Ast	mm	2928 ² /2950 ²	2828 ² /2850 ²
3.12	Aisle width with pallet 800Lx1200W	Ast	mm	2996 ² /3019 ²	2896 ² /2919 ²
3.13	Minimum turning radius	R	mm	1779 ² /1799 ²	1879 ² /1899 ²
Performance					
4.01	Travel speed, laden/unladen	Km/h		4.8/5	4.8/5
4.02	Lift speed, laden/unladen	m/s		Without sideshift 0.08/0.095/0.12	Without sideshift 0.08/0.095/0.12
4.03	Lowering speed, laden/unladen	m/s		0.2/0.15	0.2/0.13
4.04	Gradeability, laden/unladen	%		5/12	5/12
Electrical configuration					
5.01	Drive motor power	kw		2.2 AC	2.2 AC
5.02	Lifting motor power	kw		4.5	4.5
5.03	Battery voltage, nominal capacity (5-hour discharge)	V/Ah		24/490(525)	24/490(525)
5.04	Battery dimensions l/w/h	mm		774x332x580 /776x334x580	774x332x580 /776x334x580
5.05	Brake			Electromagnetic brake	Electromagnetic brake
Weight					
6.01	Total weight(with battery)	kg		2450/2500/2550/ 2550/2700/2750/2800	2250/2300/2350/ 2350/2500/2550/2600
6.02	Battery weight	kg		380	380

- For duplex mast 2000-4000mm
- For triplex mast 4500-5500mm
- For duplex mast 3000-4000mm
- For triplex mast 4500-5500mm
- lift speed with sideshift
- lift speed without sideshift



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