

AC 15



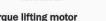
High efficiency loading/unloading performance

The innovative design and configuration of hydraulic system improve the working efficiency largely and provide a very efficient loading/unloading.









- New low-speed & high-torque lifting motor / MOSFET lifting controller
- ✓ New low-noise gear pump with differential tooth technology
- / New dynamic load sensing technology in hydraulic system

Enough operation space

HELI

The new optimization layout widens the operator space for ensuring more comfortable and convenient





More intelligent performance

- ✓ AC traction controller
- ✓ Emergency power shut-down
- ✓ Controller self-protecting / Standard CAN BUS
- / Self-braking on ramp
- Preventing disordered operating
- Operator presence sensing system / Speed selection function (normal/cutback)



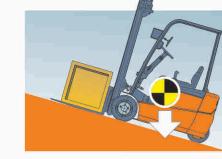


CURTIS CONTROLLER

Better Stability

As the front overhang reduces 10mm, and the center of truck gravity lowers 12%, the truck has a better stability





WHEEL



STANDARD EQUIPMENT

ZF Drive unit includes Gearbox, AC-motor and oil-cooled disc brake ZAPI /CURTIS MOSFET electronic travel controllers and lifting controller High-mounted rear combination lights (back up, brake, turn signal) 3300mm STD 2-Stage mast

Front lights (turn signal & clearance)

Tilt cylinder(5 fwd/7 back)

Side view mirror Carriage

OPTIONS AC induction motor/AC controller hydraulic system

Full free 2-Stage mast

WEBSITE http://www.helichina.com

STD mast with other lifting height

Full free 3-Stage mast Side-shifter(Hurg up,Integrated) Colored tyre (white/green)

3-spool Control Valve DC/DC Converter

Super-elastic tyre Battery

Head lights Standard fork Load backrest

Nonstandard forks in length

Other attachments Warning lights Battery charger

Optional battery

TOP1 FORKLIFT MANUFACTURING AND SALE IN CHINA CONTINUOUSLY FOR 20 YEARS

ANHUI HELI CO., LTD.

ADDR IS WEST WANGJIANG ROAD, HEFEI, ANHUI, P.R.CHINA

TEL (86 551)3639068,3639258,3639358 FRX (86 551)3639966

AUTHORIZED DEALER

* Details of specifications and equipment are based on information available at the time of printing and may change without notice.

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AC ELECTRIC THREE FORKLIFT WHEEL 1-2 ton

Newly designed wide-view mast



The newly designed wide-view mast enlarges operators' view effectively and lessens the blind area to provide a clearer vision.





Excellent steering system



The Steering system with new technologies not only provides a smoother swerve and faster positioning & steering, but also effectively lowers down the noise.

- Electronic differential
- / New integrated load-sensing steering / Double paralleled steering wheel
- / Power Steering
- ✓ Turn around in situ
- ✓ Automatic slow-down device while steering



The powerful dual AC drive motors greatly enhance the performance of acceleration, driving, loading /unloading and grade ability.





SPEED WITHOUT LOAD SPEED WITH LOAD INCREASES





1-2 ton

CHINESE EXPORT BRAND

By China Chamber of Commerce for Import and Export of Machinery







7.06 Relief Pressure

AC ELECTRIC Three 1-2 to



17.5



17.5



	Characteristics								
1.01	Manufacture's Name	I I		HELI					
1.02	Model Designation		CPI	D10S	CPE	334	1	D18S	CPD20S
1.03	Configuration Number		CQ1/CQ2	FQ1/FQ2	CQ1/CQ2	FQ1/FQ2	CQ1/CQ2	FQ1/FQ2	CQ1/CQ2
1.04	Load Capacity	Q (kg)		000	15	12-7-2-90-00-0-17-97-	1750	1750	2000
1.05	Load Center	c (mm)		500	50		500	500	500
1.06	Power Type	O (man)		ittery	Bat		Battery	Battery	Battery
1.07	Operator Type			ated	Sea		Seated	Seated	Seated
1.08	Wheelbase y (mm)			1250		1350	1455	1350	1455
1.00	Wheels & Tyres	y (i'iii)	14	200	1250	1330	1433	1330	1455
2.01	Tyre Type		eune	rolactic	eupor	plactic	superelastic	superelastic	superelastic
2.02	Tyres Number (Front/Rear)		superelastic 2/2		superelastic 2/2		2/2	2/2	2/2
2.03	Tread(centre of tyre),front	b10 (mm)		026	926		925		925
2.04	Tread(centre of tyre),rear	b11 (mm)	- //2	63	163		190 163		190
2.05	Tyre Size, Front	Dir (mari)		×7-8	163 18×7-8		200/50-10	200/50-10	200/50-10
2.06	Tyre Size, Rear		177.11 5000	× 1-6 (4.5-8			16×6-8	15×4.5-8	16×6-8
2.00	Dimensions		19.8	7.0-0	15×4.5-8		10 × 0-0	10/4.0-0	10 ^ 0-0
3.01	Load Distance	x (mm)	2	118	20	21	2	21	331
3.02	Mast Tilt Angle,F/R	α/β (°)	318 5/7		321 5/7		321		5/7
3.03	Height with Mast Lowered	h1(mm)			2220		5/7		2220
3.04	Free Lift	h2(mm)	2220				2220 125		135
3.05	Standard Lift Height	h3(mm)			125				3300
3.06	Height with Mast Extended	h4(mm)	3300		3300		3300		4330
3.07	Overhead Guard Height	h6(mm)	2080	4330 4330		4330 1980		1980	
3.08	Seat Height	h7(mm)	1000	1980 910	2080	1980			910
3.09	Fork Size	s/e/L(mm)	05-00-5-A	A CONTRACTOR OF THE PARTY OF TH	1000	910	910		45×100×920
0.001 Apr. 000	Fork Carriage to DIN 15173 A/B	Ser L(ITIII)	32×100×770		35×100×920 2A		35×100×920 2A		A2015 /
3.10	Length to fork face	L2(mm)	D-SAIR	2A 1704	The second secon				2A
3.11	Overall Width	b1(mm)	1779	1784	1783	1888	2016	1895	2016
	Outside Turning Radius	Wa(mm)		070	10			124	1124
3.13	Ground Clearance at mast ,Loaded		1445		1445	1545	1660	1540	1660
3.14	1.	m1(mm)		90	90		90		90
3.15	Ground Clearance at centre of wheelbase ,Loaded	m2(mm)		100		(6.2)			100
3.16	Right Stack Aisle width (Pallet size 1000x1000mm, clearance:200mm) Right Stack Aisle width (Pallet size 1200x1200mm, clearance:200mm)	Ast(mm)		075	3080	3180	3305	3185	3305
3.17	Take the second of the second	Ast(mm)	3.	300	3300	3400	3530	3410	3530
4.04	Performances Travel Speed,with/without load	km/h	44.045.4	44.5/45.5	44.045.4	44.545.5	44.0/45.5	440,454	44.045.0
0.000		10.40.4	14.2/15.4	14.5/15.5	14.2/15.4	14.5/15.5	14.2/15.5	14.2./15.4	14.0/15.3
4.02	Lifting Speed,with/without load	m/s		0/0.44	0.30/0.43		0.29/0.48 0.45		0.27/0.48
4.03	Lowering Speed	m/s		0.45		0.45			0.45
4.04	Gradient performance with load	% N	27 11550		24		22 15420 15420		20
4.05	Max. draw bar pull with load					2-131			17390
4.06	SOURCE STATE OF STATE								4.9/4.5
E 04	Weight	ka	0000/0404	0000/0000	0400/0404	0000/0070	0040/0500	0.400/0.400	05.40/0000
5.01	Total Approximate Weight(W/O battery)	kg	2900/2161	2820/2260	3160/2421	3080/2372	3340/2590	3420/2480	3540/2600
5.02	Axle Loading*: Unloaded,Front/Rear	kg	1484/1416	1412/1408	1476/1648	1537/1543	1590/1750	1580/1650	1690/1850
5.03	Axle Loading*: Loaded,Front/Rear	kg	3173/727	3103/717	4006/654	4035/545	4525/645	4360/620	4920/700
0.01	Battery Determined and situation of the second seco	\//Ab	101105	10/000	101100	101116	10/100	40/000	10/22
6.01	Battery Voltage/rated capacity(5h)	V/Ah	48/420	48/330	48/420	48/440	48/480	48/600	48/600
6.02	battery weight	kg	739(700-780)	560(532-588)	739(700-780)	708(673-743)	750(700-800)	940(900-1000)	940(900-1000)
6.03	Battery to DIN 43531/35/36/A/B/C		43531A	43531A	43531A	43531A	43531B	43531B	43531B
	Motor & Controller				19				
7.01	Drive Motor - 60 Min. Rating	kW	2×4.5		2×4.5		2×4.5 2×4.5		2×4.5
7.02	Pump Motor - 15 Min. Rating	kW		7.5	7.5		8.6		10.5
7.03	Drive Motor Control Method			fet/AC	Mosfet/AC		Mosfet/AC		Mosfet/AC
7.04	Pump Motor Control Method			fet/DC	Mosf			fet/DC	Mosfet/DC
7.05	Service Brake/Parking Brake		Hydrautic/Mechanical		Hydrautic/Mechanical		Hydrautic/Mechanical		Hydrautic/Mechanical
7.00	0 " (0		44.5						





Max. Lift height

6000

WIDE VIEW FULL FREE 2-STAGE MAST

500

Capacity at 500mm; load center

WIDE VIEW MAST

M250 M300

M350

M370 M400 M425

M450

M500

M550

M600

ZM330

ZM370

ZM400

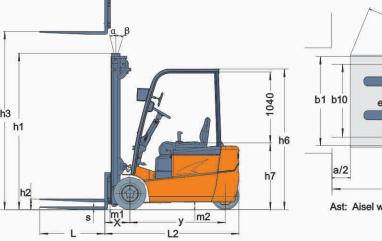
ZM425

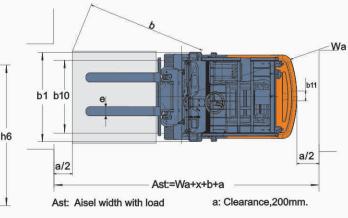
ZM450

ZM500

ZM550

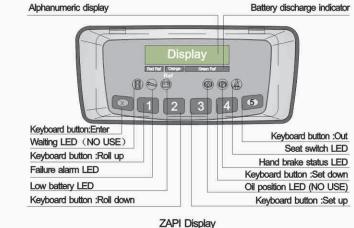
ZM600





oad curve LOAD CENTER(mm) 500 700 900 1100 CPD10S CPD15S CPD18S CPD20S

Vertical axle stands for load capacity while horizontal axle stands for load center. Load center is the distance counted from the front of the fork. The base point of the standard load is the center point of the cubic with the same 1000mm dimension in length, width and height. The load capacity should be down, if mask tilts forward, using non-standard forks or loading goods with extra width. Please notice the different load capacity between different load centers according to load chart.



Driving direction Driving speed state Fault code Hand brake status Lift lockout Caution light Speed indicator Battery capacity Driving mode selection button Program menu button Hour meter

CURTIS Display

BATTERY COMPARTMENT SIZE						
MODEL	COMPARTMENT SIZE	Battery spec	cifications			
MODEL	WD×LG×HT	SIZE	STANDARD			
CPD10/15S-CQ	845×433×789	835×418×784	DIN 43531A			
CPD10S-FQ	845×433×660	830×414×627	DIN 43531A			
CPD15S-FQ	845×533×660	830×522×627	DIN 43531A			
CPD18S-FQ	1040×460×660	1030×439×627	DIN 43531B			
CPD18/20S-CQ	1040×540×660	1030×529×627	DIN 43531B			

ZSM360	3600	1000	
ZSM400	4000	1000	
Table 2 Control Control	rereses.	12/20/20/20	

WIDE VIEW FULL FREE 3-STAGE MAST

NOTE: The free height of full free 2-stage mast without backrest increase +399mm

nt model	Max. Lift height (mm)	Capacity at 500mm;load center				Height with mast lowered (mm)	Free lift (with Backrest)	Tilting Angle (F/B)
st model		CPD10S	CPD15S	CPD18S	CPD20S	1.0-2.0t	1.0-2.0t	(F/B)
SM360	3600	1000	1400	1750	1900	1770	760	3/5
SM400	4000	1000	1300	1700	1850	1905	895	3/5
SM435	4350	1000	1280	1650	1800	2020	1010	3/5
SM450	4500	1000	1250	1600	1750	2070	1060	3/5
SM470	4700	1000	1250	1600	1700	2140	1130	3/5
SM480	4800	1000	1200	1550	1650	2170	1160	3/5
SM500	5000	900	1100	1500	1600	2270	1260	3/5
SM540	5400	750	950	1200	1350	2405	1395	3/3
SM550	5500	700	900	1150	1300	2440	1430	3/3
SM600	6000	500	600	850	950	2620	1610	3/3
SM620	6200	350	500	750	850	2710	1700	3/3
SM650	6500		350	650	750	2810	1800	3/3

Capacity at 500mm;load center

1750

1750

1650

1300

2000

2000

2000

1950

1800

1750

1650

1400

1100

1.0-2.0t

2220

2430

2630

3130

3430

Height with mast lowered (mm)

1.0-2.0t

1580

1830

2330

2755

2880

3430

1.0-2.0t 570

1070

1210

1320

1420

1620

1745

1870

2120

2420

2670

Height with mast lowered (mm) Free lift (with Backrest)

5/7

3/5

3/3

3/3

5/7

5/7

5/7

3/5

3/5

3/3

NOTE: The free height of full free 3-stage mast without backrest increase 1.8-2t Free lifting height without bracket:+436mm 1-1.5t Free lifting height without bracket:+449mm



Renewable energy technologies

With the use of the excellent load-sensing steering system and AC controlling renewable energy technologies, the forklift is more energy-saving and the working hour of the battery is extended by 15%.

