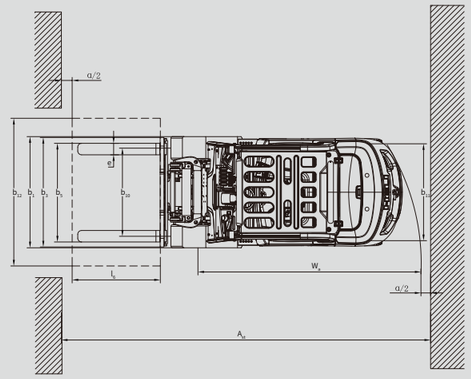
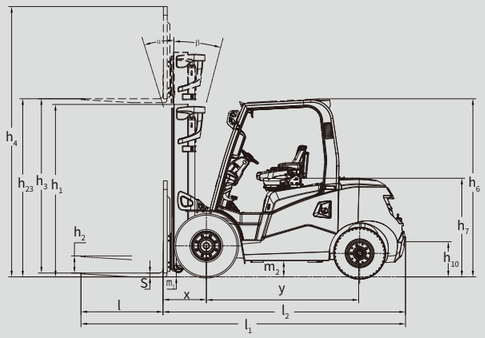
HELI

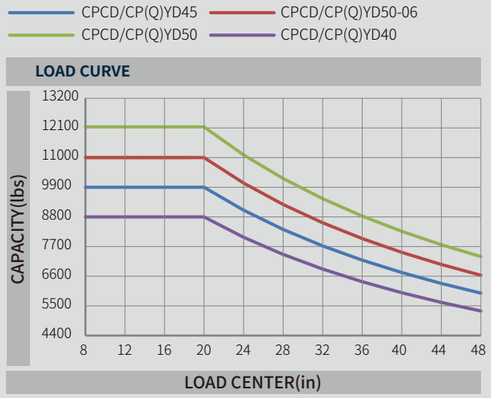
CPCD/CP(Q)YD 40/45/50

CPCD40-50-KU4G3-06/ CP(Q)YD40-50-KUG3-06





NOTE:
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 48in dimension in length,width and height. The load capacity should be down, if mask tilts forward, using non-standard forks or loading goods with estra width. Please notice the different load capacity between different load centers according to load chart.



Standard configuration	Optional configuration	
Reversing handle (with horn)	Warning light	Fan
Protection sleelve for steering cylinder	Cab	Reversing horn speaker
LED lights	Two stage free lift mast and three stage free lift mast	Coarse filter
File folder	Dual tyre of front wheel and solid tyre	Over speed alarm
HEAN semi enclosed seat	Thread	Automatic weight system,overload alarm
Middle wide angle rear view mirro	Synchronized steering system	Rear view system
Median exhaust	Rear view mirrors on both sides	FICS system
Steering wheel with handle ball	Dual hose pulley block	
Counter weight protection net	High exhaust	
Adjustable steering wheel	Double air filter	
Ratchet parking brake	Rear lamp	
Flexible connection casting steering axle	Protection sleelve for tilt cylinder	
Stamping overhead guard	GRAMMER' S full suspension seat	
Electric-hydraulic reversing control	Air conditioner	
Air filter with safety filter element	Heater	
LCD instrument	OPS control system	

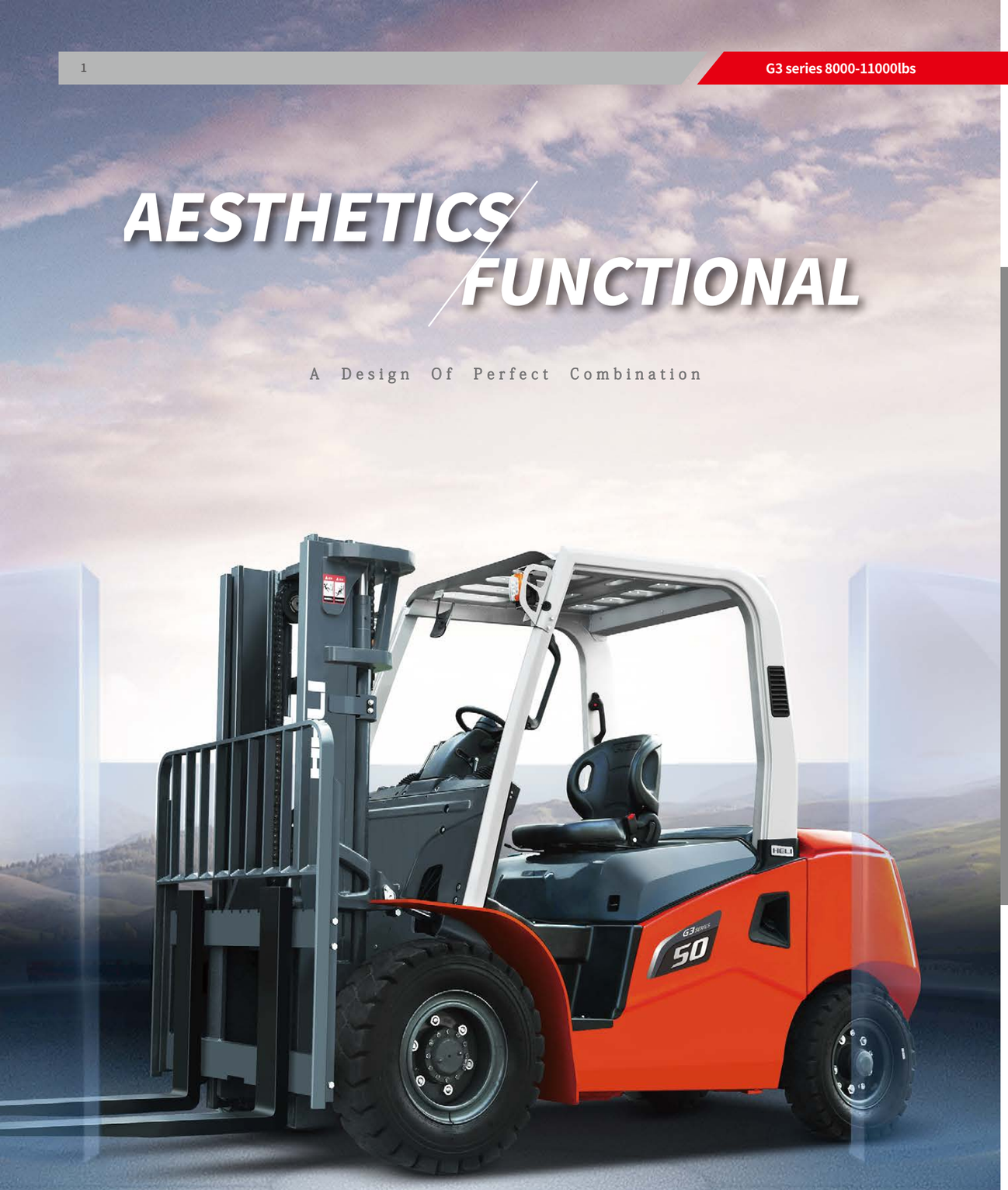


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* Our products are subject to improvements and changes without notice.

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AESTHETICS / FUNCTIONAL

A Design Of Perfect Combination



A NEW GENERATION OF PRODUCTS

Intelligent / Safe / Efficient / Saving and Environment Friendly

COMFORTABLE OPERATION

New family PI image design, appearance upgrade, optimized structure design and high-end configuration ensure comfortable operation from every detail.

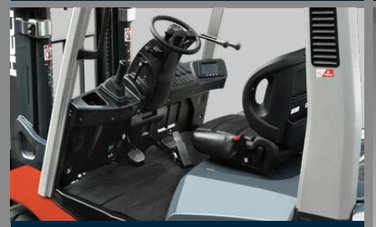


Flexible connected intelligent shift hydraulic transmission has been verified by market for 30 years and has the features of mature and reliable, small vibration, convenient and comfortable operation;



The standard configuration of electro-hydraulic reversing and steering handle and lamp combination handle improves the operation convenience;

- High quality damping system matched with professional calculation make the idle vibration isolation rate up to 68%; high quality Hutchinson damping pad is adopted and has the features of more stable damping effect and longer service life;



The tilt cylinder sinks to improve the leg space;



Wide view mast optimizes the blind area of operation vision and ensures comfortable and safe operation;



Full LCD color display CAN bus instrument fully monitors truck status; displays real-time engine and truck fault information and gives humanized reminder;



Standard configuration of mast lowering buffer makes it more comfortable to handle goods;



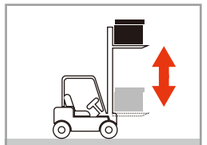
- The ratchet type parking brake handle is more labor-saving.
- Increased handle with leather anti-skid makes getting on and off more convenient;Reversing handle with horn makes truck reversing safer.

ENERGY SAVING AND ENVIRONMENT FRIENDLY

- Standard configuration of load sensing gives priority to steering and saves energy by 5%.
- The dual pump combined hydraulic system can supply flow on demand and reduce truck fuel consumption;
- Standard configuration of LED lights make truck more energy saving ,environment friendly,long life using and reliable.

HIGHER EFFICIENCY

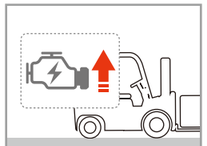
- Enlarged high air intaking grid makes air intake smoother and engine power utilization more sufficient.
- Tail-free frame reduces truck center of gravity and improves truck lateral stability and bearing capacity at high.



Faster lifting and lower speed



Faster travelling speed



Stronger drawbar pull



Good load capacity at high lift





High strength integral welded overhead guard improves driving safety factor;

SAFE AND RELIABLE

- The standard hydraulic power assisted braking system has stronger tolerance to working environment (such as dust) and stable and reliable braking performance;
- The electro-hyd raulic reversing box and control box are mature and reliable, and the pipeline layout is optimized to effectively reduce the failure rate of electrical components;
- The waterproof connector is safe and reliable;
- Increased pipe diameter of hydraulic system reduces the pressure loss and extends the service life of hydraulic components;
- Increase the aluminum plate fin radiator controls temperature in a good range and effectively improves the reliability of each system;
- The standard 8-inch air filter with safety filter element is equipped with air filter blockage alarm device to remind the maintenance of the air filter in time, protect the engine and improve the reliability of the engine;



- Equipped with cast steering axle, the strength of the axle body is increased by 30%, and the standard protective sleeve is provided;
- High strength integral welded overhead guard improves driving safety factor;
- The balance weight is optimized to improve the rear field of view and ensure the safety of operation;
- The rear wheels are equipped with Zhengxin 14-layer tires as standard to improve the service life of tires;
- The metal step is anti-skid, reliable and durable;
- The optimized brake can effectively prevent locking after rain, reduce braking impact, extend the service life of the brake, prevent excessive braking, and significantly improve the reliability and service life.

HELI smart fleet management system (optional)	
Vehicle positioning	Vehicle management
Remote diagnosis	Identification recognition (optional)
Remote monitoring	Weight management (optional)
Maintenance reminder	Collision management (optional)
Statistical form	



EASY MAINTENANCE

- 80° opening angle, easy opening mechanism and optional key lock make repair and maintenance easy.
- Module design of electric system reduces maintenance cost.





Manufacturer and Technical Data

	Characteristics						
1.01	Manufacturer			HELI			
1.02	Model			CPCD40/CP(Q)YD40	CPCD45/CP(Q)YD45	CPCD50/CP(Q)YD50	CPCD50/CP(Q)YD50-06
1.03	Rated capacity	Q	lbs	8000	9000	10000	11000
1.04	Load center distance	c	in	24			
1.05	Power mode			Diesel/LPG/GAS			
1.06	Driving mode			Sit-on type			
1.07	Front overhang	x	in	22			
1.08	Rear overhang		in	20	21	23	25
1.09	Wheelbase	y	in	83			
	Weight						
2.01	Total weight		lbs	13750	14322	15224	16016
2.02	Axle load (laden,front/rear)		lbs	20042/2508	21648/2574	22188/3014	23672/3344
2.03	Axle load (unladen,front/rear)		lbs	6820/6930	6776/7546	6666/8558	6622/9394
	Tyres						
3.01	Tyre type			Pneumatic type			
3.02	Tyre size,front			300-15-18PR(Double-tyre8.25-15-14PR)			
3.03	Tyre size,rear			7.00-12-14PR			
3.04	Wheels,number front/rear (x=driven wheels)			2X/2(Double-tyre 4X/2)			
3.05	Tread，front	b_{10}	in	1210			
3.06	Tread，rear	b_{11}	in	1190			
	Dimensions						
4.01	Mast tilt angle (forward/backward)	α/β	°	6/12			
4.02	Height (mast lowered)	h_1	in	89			
4.03	Free lifting height	h_2	in	6			
4.04	Lifting height (standard)	h_3	in	118			
4.05	Max. height,extended (with backrest)	h_4	in	167			173
4.06	Height of overhead guard	h_6	in	93			
4.07	Seat height relating to SIP (to ground)	h_7	in	43			
4.08	Towing coupling height	h_{10}	in	17			
4.09	Overall length (with fork)	l_1	in	168	168	170	178
4.10	Overall length (without fork)	l_1	in	125	126	128	130
4.11	Overall width	b_1	in	59			
4.12	Fork size:thickness x width x length	s/e/l	in	2×6×42	2×6×42	2×6×42	2.2×6×48
4.13	Fork carriage,according to ISO2328			III			IV
4.14	Distance across fork-arms, Max./Min.	b_5	in	54/12			
4.15	Ground clearance (laden,between mast)	m_1	in	6			
4.16	Ground clearance (center of wheelbase)	m_2	in	9			
4.17	Right angle stacking aisle width for pallet 1000 x1200mm crossways	Ast	in	181	183	185	187
4.18	Right angle stacking aisle width for pallet 800 x1200mm lengthways	Ast	in	189	191	193	194
4.19	Min. outside turning radius	Wa	in	112	113	115	117
	Performance Data						
5.01	Travel speed (laden/unladen)		mph	16/16			
5.02	Lift speed (laden/unladen)		fpm	114/122			
5.03	Lowering speed (laden/unladen)		fpm	89			
5.04	Max.drawbar pull (laden/unladen)		N	41/25			
5.05	Max.gradeability (laden/unladen)		%	38/28	36/28	33/28	30/28
	Add ition data						
6.01	Service brake/ Parking brake			Hydraulic assisted braking/ Mechanical-ratchet type			
6.02	Operating pressure for attachments		Psi	174			

Engine model	Model	Power mode	Rated power /Speed(hp/ rpm)	Max. torque/ Speed (lb*ft/ rpm)	Engine displacement(L)	Cylinder number -bore×stroke	Emission
Kubota Certified WG3800	CPYD/40/45/50-KUG3、CPYD50-KUG3-06	LPG	79.1/2400	208/1200	3.768	4-4in×5in	EPA T4F
Kubota Certified WG3800	CPQYD/40/45/50-KUG3、CPQYD50-KUG3-06	LPG&GAS	67.8/2400	200(LPG)/1200 181(GAS)/1400	3.768	4-4in×5in	EPAT4F
Kubota V3307-CR-T15	CPCD50-KU4G3-06CPCD/40/45/50-KU4G3	Diesel	74.2/2200	247/1400	3.3	4-4in×5in	EPAT4F

Wide View Standard Mast

Mast model	Max. lifting height (in)	Loadcapacity (lodecenter 24in)(lbs)				Height (mast lowered) (in)	Free lift height (with backrest) (in)	Service weight(lbs)				Mast tilt angle α/β (°)
		CPCD40/ CP(Q)YD40	CPCD45/ CP(Q)YD45	CPCD50/ CP(Q)YD50	CPCD50/CP (Q)YD50-06			CPCD40/ CP(Q)YD40	CPCD45/ CP(Q)YD45	CPCD50/ CP(Q)YD50	CPCD50/CP (Q)YD50-06	
M250	98	8000	9000	10000	11000	78	6	13640	14212	15114	15906	6°/12°
M300	118	8000	9000	10000	11000	88	6	13750	14322	15224	16016	6°/12°
M330	130	8000	9000	10000	11000	94	6	13816	14388	15290	16082	6°/12°
M350	138	8000	9000	10000	11000	98	6	13860	14432	15334	16126	6°/12°
M370	146	8000	9000	10000	11000	102	6	13893	14465	15367	16159	6°/12°
M400	157	8000	9000	10000	11000	110	6	14058	14630	15532	16324	6°/12°
M425	167	8000	9000	10000	11000	115	6	14113	14685	15587	16379	6°/6°
M450	177	7600 *8000	8600 *9000	9400 *10000	10300 *11000	120	6	14157	14729	15631	16423	6°/6°
M475	187	7400 *8000	8400 *9000	9000 *10000	9900 *11000	125	6	14212	14784	15686	16478	6°/6°
M500	197	7000 *7400	8000 *8400	8500 *9200	8800 *9900	130	6	14267	14839	15741	16533	6°/6°
M550	217	6400 *7400	7200 *8000	8000 *8400	8300 *8800	141	6	14465	15037	15939	16731	6°/6°
M600	236	*6400	*7200	*7600	*7700	151	6	14575	15147	16049	16841	6°/6°

Note: * stands for the rated capacity when the front tyre is double-tyre.

Wide View Full Free 2-Stage Mast

Mast model	Max.lifting height (in)	Loadcapacity (lodecenter 24in)(lbs)				Height (mast lowered) (in)	Free lift height (with backrest) (in)		Service weight(lbs)				Mast tilt angle α/β (°)
		CPCD40/ CP(Q)YD40	CPCD45/ CP(Q)YD45	CPCD50/ CP(Q)YD50	CPCD50/CP (Q)YD50-06		CPCD40-50/ CP(Q)YD40-50	CPCD50/CP (Q)YD50-06	CPCD40/ CP(Q)YD40	CPCD45/ CP(Q)YD45	CPCD50/ CP(Q)YD50	CPCD50/CP (Q)YD50-06	
ZM250	98	8000	9000	10000	11000	78	31	25	13541	14113	15015	16038	6°/12°
ZM300	118	8000	9000	10000	11000	88	41	35	13673	14245	15147	16170	6°/12°
ZM330	130	8000	9000	10000	11000	94	47	41	13761	14333	15235	16258	6°/12°
ZM350	138	8000	9000	10000	11000	98	51	45	13805	14377	15279	16313	6°/12°
ZM370	146	8000	9000	10000	11000	102	55	49	13860	14432	15334	16368	6°/12°
ZM400	157	8000	9000	10000	11000	110	62	57	14058	14630	15532	16577	6°/12°
ZM425	167	8000	9000	10000	11000	115	67	62	14146	14718	15620	16654	6°/6°
ZM450	177	7600 *8000	8600 *9000	9400 *10000	10300 *11000	120	72	67	14234	14806	15708	16753	6°/6°
ZM475	187	7400 *8000	8400 *9000	9000 *10000	9900 *11000	125	77	71	14322	14894	15796	16841	6°/6°
ZM500	197	7000 *7400	8000 *8400	8500 *9200	8800 *9900	130	82	76	14410	14982	15884	16929	6°/6°
ZM550	217	6400 *7400	7200 *8000	8000 *8400	8300 *8800	141	94	88	14652	15224	16126	17182	6°/6°
ZM600	236	*6400	*7200	*7600	*7700	151	104	98	14773	15345	16247	17303	6°/6°

Note: * stands for the rated capacity when the front tyre is double-tyre;
free lift for CPCD40-50/CP(Q)YD40-50，(without backrest):+12in;
free lift for CPCD50/CP(Q)YD50-06(without backrest):+18in.

Wide View Full Free 3-Stage Mast

Mast model	Max.lifting height (in)	Loadcapacity (lodecenter 24in)(lbs)				Height (mast lowered) (in)		Free lift height (with backrest) (in)		Service weight(lbs)				Mast tilt angle α/β (°)
		CPCD40/ CP(Q)YD40	CPCD45/ CP(Q)YD45	CPCD50/ CP(Q)YD50	CPCD50/CP (Q)YD50-06	CPCD40-50/ CP(Q)YD40-50	CPCD50/CP (Q)YD50-06	CPCD40-50/ CP(Q)YD40-50	CPCD50/CP (Q)YD50-06	CPCD40/ CP(Q)YD40	CPCD45/ CP(Q)YD45	CPCD50/ CP(Q)YD50	CPCD50/CP (Q)YD50-06	
ZSM360	142	7600 *8000	8700 *9000	9600 *10000	10500 *11000	76	78	29	25	14003	14575	15477	16544	6°/6°
ZSM400	157	7600 *8000	8700 *9000	9600 *10000	10500 *11000	82	84	34	30	14113	14685	15587	16698	6°/6°
ZSM435	171	7600 *8000	8700 *9000	9600 *10000	10500 *11000	86	88	39	35	14201	14773	15675	16764	6°/6°
ZSM450	177	7600 *8000	8700 *9000	9600 *10000	10500 *11000	88	90	41	37	14245	14817	15719	16808	6°/6°
ZSM470	185	7000 *7600	8000 *8400	9000 *9600	9000 *10300	91	93	43	39	14289	14861	15763	16863	6°/6°
ZSM500	197	6700 *7000	7600 *8000	8000 *8600	8800 *9200	96	98	48	44	14399	14971	15873	16984	6°/6°
ZSM540	213	6500 *6800	6800 *7400	7600 *8400	8100 *8800	102	104	54	50	14641	15213	16115	17237	6°/6°
ZSM600	236	*6400	*6800	*5600	*7700	110	112	62	58	14806	15378	16280	17402	6°/6°
ZSM650	256	*5000	*5600	*6400	*6600	118	120	70	66	14960	15532	16434	17567	6°/6°
ZSM700	276	*3600	*4000	*5000	*5000	125	127	77	73	15103	15675	16577	17732	6°/6°

Note: * stands for the rated capacity when the front tyre is double-tyre;
free lift forCPCD40-50/CP(Q)YD40-50，(without backrest):+13in;
free lift for CPCD50/CP(Q)YD50-06(without backrest):+17in.