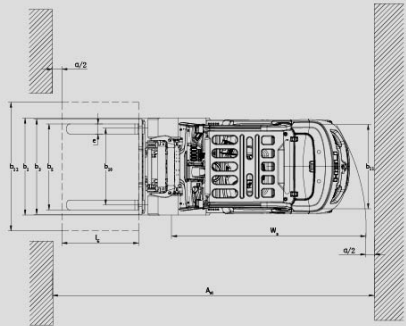
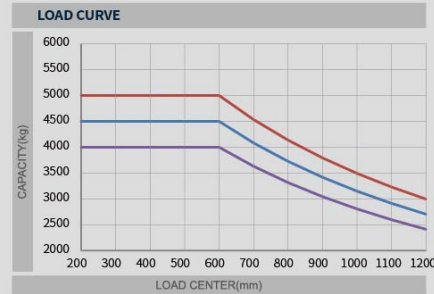


NOTE:

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 1200mm 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.

— CPCD45 — CPCD50
— CPCP40



Standard configuration

Reversing handle (with horn)
Protection sleeve for steering cylinder
LED lights
File folder
HEAN semi enclosed seat
Middle wide angle rear view mirror
High exhaust(Deutz)/Median exhaust(Yu chai)
Steering wheel with handle ball
Counter weight protection net
Adjustable steering wheel
Ratchet parking brake
Flexible connection casting steering axle
Stamping overhead guard
Electric-hydraulic reversing control
Air filter with safety filter element
LCD instrument

Optional configuration

Warming light
Cab
Two stage free lift mast and three stage free lift mast
Dual tyre of front wheel and solid tyre
Thread
Synchronized steering system
Rear view mirrors on both sides
Dual hose pulley block
Double air filter
Rear lamp
Protection sleeve for tilt cylinder
GRAMMER'S full suspension seat
Air conditioner
Heater
OPS control system
Fire extinguisher
Fan
Reversing horn speaker
Coarse filter
Over speed alarm
Automatic weight system, overload alarm
Rear view system
Truck networking



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CPCD 40/45/50 DE2HG3/YC4G3



4-5 t

G3 series Internal Combustion
Counterbalanced Forklift Truck

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.



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

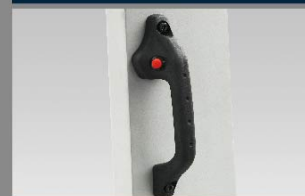


Full LCD color display CAN bus instrument fully monitors truck status; displays real-time engine and truck fault information and gives humanized reminder;

- 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;



Increased handle with leather anti-skid makes getting on and off more convenient; Reversing handle with horn makes truck reversing safer.



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



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



The ratchet type parking brake handle is more labor-saving.

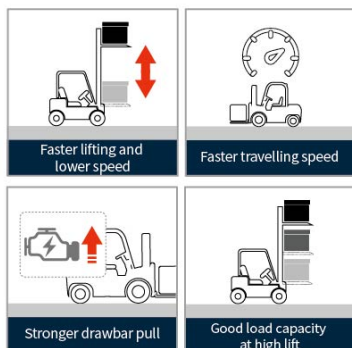
- Intelligent shift hydraulic transmission, mature and reliable, small vehicle vibration, convenient and comfortable operation.

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.



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.

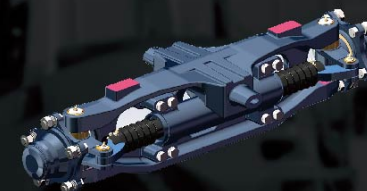


CPCD 40/45/50
DE2HG3/YC4G3

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-hydraulic 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	



Manufacturer and Technical Data					
Characteristics					
1.01	Manufacturer		HELI		
1.02	Model		CPCD40-*	CPCD45-*	CPCD50-*
1.03	Configuration number		DE2HG3		
1.04	Rated capacity	Q	kg	4000 (4500)	4500 (5000)
1.05	Load center distance	c	mm	600 (500)	
1.06	Power mode		Diesel		
1.07	Driving mode		Sit-on type		
1.08	Front overhang	x	mm	560	
1.09	Wheelbase	y	mm	2100	
Weight					
2.01	Total weight		kg	6510	6920
2.02	Axle load (laden,front/rear)		kg	9840/1170	10540/1370
2.03	Axle load (unladen,front/rear)		kg	3080/3430	3030/3890
Tyres					
3.01	Tyre type		Pneumatic type		
3.02	Tyre size,front		300-15-18PR (Double-tyre 8.25-15-14PR)		
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	mm	1210	
3.06	Tread, rear	b ₁₁	mm	1190	
Dimensions					
4.01	Mast tilt angle (forward/backward)		α/β	°	
4.02	Height (mast lowered)		h ₁	mm	
4.03	Free lifting height		h ₂	mm	
4.04	Lifting height (standard)		h ₃	mm	
4.05	Max. height,extended (with backrest)		h ₄	mm	4250
4.06	Height of overhead guard		h ₆	mm	2350
4.07	Seat height relating to SIP (to ground)		h ₇	mm	1080
4.08	Towing coupling height		h ₁₀	mm	430
4.09	Overall length (with fork)		l ₁	mm	4425
4.10	Overall length (without fork)		l ₁	mm	3205
4.11	Overall width		b ₁	mm	1510
4.12	Fork size:thickness x width x length		s/e/l	mm	50x150x1220
4.13	Fork carriage,according to ISO2328			III	
4.14	Distance across fork-arms, Max./Min.		b ₅	mm	1374/300
4.15	Ground clearance (laden,between mast)		m ₁	mm	140
4.16	Ground clearance (center of wheelbase)		m ₂	mm	230
4.17	Right angle stacking aisle width for pallet 1000 x1200mm crossways		Ast	mm	4640
4.18	Right angle stacking aisle width for pallet 800 x1200mm lengthways		Ast	mm	4840
4.19	Min. outside turning radius		Wa	mm	2880
Performance Data					
5.01	Travel speed (laden/unladen)			km/h	25/26
5.02	Lift speed (laden/unladen)			m/s	0.58/0.62
5.03	Lowering speed (laden/unladen)			m/s	0.45
5.04	Max.drawbar pull (laden/unladen)			N	41/25
5.05	Max.gradeability (laden/unladen)			%	30/28
Combustion-engine					
6.01	Engine manufacturer/Moel			Deutz TCD 3.6 L04	
6.02	Rated power/Speed			kW/rpm	55.4/2300
6.03	Max. torque/Speed			Nm/rpm	406/1300
6.04	Cylinder number-bore x stroke			4-98x120	
6.05	Engine displacement			L	3.695
6.06	Emission			Euro stage V /EPA T4F	
6.07	Transmission gears (front/rear)			2/1-Power Shift	
6.08	Fuel tank capacity			L	110
Addition data					
7.01	Service brake/Parking brake			Hydraulic assisted braking/ Mechanical-ratchet type	
7.02	Operating pressure for attachments			Mpa	14

Engine model and main specification technical data for option

Engine model	Model	Rated power/speed	Max, torque/speed	Engine displacement	Cylinder number-bore x stroke	Emission	Transmission (front / rear)
YuChai YCF3675-S580 diesel engine	CPCD40~50-YC4G3-06	55.8/2200	330/1300~1600	3.6	4-98x120	Euro V	2/1-power shift

Wide View Standard Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)/(kg)			Height (mast lowered) (mm)	Free lift height (with backrest) (mm)	Service weight (kg)			Mast tilt angle α/β (°)
		4t	4.5t	5t	4-5t	4-5t	4t	4.5t	5t	
M250	2500	4000	4500	5000	1990	150	6460	6870	7230	6°/12°
M300	3000	4000	4500	5000	2240	150	6510	6920	7280	6°/12°
M330	3300	4000	4500	5000	2390	150	6540	6950	7310	6°/12°
M350	3500	4000	4500	5000	2490	150	6560	6970	7330	6°/12°
M370	3700	4000	4500	5000	2590	150	6575	6985	7345	6°/12°
M400	4000	4000	4500	5000	2790	150	6650	7060	7420	6°/12°
M425	4250	4000	4500	5000	2915	150	6675	7085	7445	6°/6°
M450	4500	*3800	*4300	*4700	3040	150	6695	7105	7465	6°/6°
M475	4750	*4000	*4500	*4900	3165	150	6720	7130	7490	6°/6°
M500	5000	*3800	*4300	*4700	3290	150	6745	7155	7515	6°/6°
M550	5500	*3800	*4300	*4700	3590	150	6835	7245	7605	6°/6°
M600	6000	*3600	*3600	3800	3840	150	6885	7295	7655	6°/6°

Wide View Full Free 2-Stage Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)/(kg)			Height (mast lowered) (mm)	Free lift height (with backrest) (mm)		Service weight (kg)			Mast tilt angle α/β (°)
		4t	4.5t	5t	4-5t	4-4.5t	4-5t	4t	4.5t	5t	
ZM250	2500	4000	4500	5000	1990	785	640	6415	6825	7290	6°/12°
ZM300	3000	4000	4500	5000	2240	1035	890	6475	6885	7350	6°/12°
ZM330	3300	4000	4500	5000	2390	1185	1040	6515	6925	7390	6°/12°
ZM350	3500	4000	4500	5000	2490	1285	1140	6535	6945	7415	6°/12°
ZM370	3700	4000	4500	5000	2590	1385	1240	6560	6970	7440	6°/12°
ZM400	4000	4000	4500	5000	2790	1585	1440	6650	7060	7535	6°/12°
ZM425	4250	4000	4500	5000	2915	1710	1565	6690	7100	7570	6°/6°
ZM450	4500	*3800	*4300	*4700	3040	1835	1690	6730	7140	7615	6°/6°
ZM475	4750	*4000	*4500	*4900	3165	1960	1815	6770	7180	7655	6°/6°
ZM500	5000	*3800	*4300	*4700	3290	2085	1940	6810	7220	7695	6°/6°
ZM550	5500	*3800	*4300	*4700	3590	2385	2240	6920	7330	7810	6°/6°
ZM600	6000	*3600	*3600	3800	3840	2635	2490	6975	7385	7865	6°/6°

Note:free lift for 4-4.5t (without backrest):+295mm; free lift for5t (without backrest):+447mm;

Wide View Full Free 3-Stage Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)/(kg)			Height (mast lowered) (mm)	Free lift height (with backrest) (mm)		Service weight (kg)			Mast tilt angle α/β (°)
		4t	4.5t	5t	4-4.5t	4-5t	4-4.5t	4t	4.5t	5t	
ZSM360	3600	*3800	*4350	*4800	1940	1990	730	6625	7035	7520	6°/6°
ZSM400	4000	*3800	*4350	*4800	2080	2130	870	6675	7085	7590	6°/6°
ZSM435	4350	*3800	*4350	*4800	2190	2240	980	6715	7125	7620	6°/6°
ZSM450	4500	*3800	*4350	*4800	2240	2290	1030	6735	7145	7640	6°/6°
ZSM470	4700	*3800	*4350	*4800	2305	2355	1095	6755	7165	7665	6°/6°
ZSM500	5000	*3800	*4350	*4800	2440	2490	1230	6805	7215	7720	6°/6°
ZSM540	5400	*3800	*4350	*4800	2590	2640	1380	6915	7325	7835	6°/6°
ZSM600	6000	*3200	*3400	*3800	2790	2840	1580	6990	7400	7910	6°/6°
ZSM650	6500	*2500	*2800	*3200	2990	3040	1780	7060	7470	7985	6°/6°
ZSM700	7000	*1800	*2000	*2500	3165	3215	1955	7125	7535	8060	6°/6°

Note:free lift for 4-4.5t (without backrest):+340mm; free lift for5t (without backrest):+425mm;