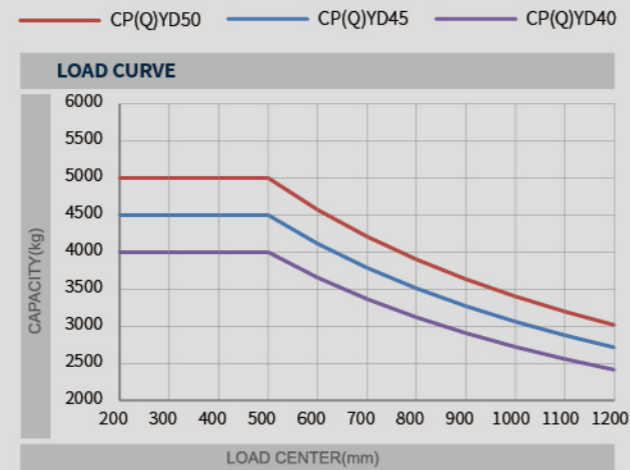


NOTE:
Vertical axle stands for load capacity while horizontal axle stands for load center. Load center is the distance counted from the front of the fork. The base point of the standard load is the center point of the cubic with the same 1200mm dimension in length, width and height. The load capacity 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.



**CP(Q)YD
40/45/50
KUG3**



Standard configuration	Optional configuration	
Reversing handle (with horn)	Warning light	Reversing horn speaker
Protection sleeve for steering cylinder	Cab	Coarse filter
LED lights	Two stage free lift mast and three stage free lift mast	Over speed alarm
File folder	Dual tyre of front wheel and solid tyre	Automatic weight system, overload alarm
HEAN semi enclosed seat	Thread	Rear view system
Middle wide angle rear view mirror	Synchronized steering system	Truck networking
Median exhaust	Rear view mirrors on both sides	
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 sleeve for tilt cylinder	
Stamping overhead guard	GRAMMER'S full suspension seat	
Electric-hydraulic reversing control	Heater	
Air filter with safety filter element	OPS control system	
LCD instrument	Fan	

HELI AMERICA INC

ADD: 4025 Welcome All Road, Suite 150 Atlanta, GA30349, U.S.A.
E-MAIL: heli@heliforkliftamerica.com
TEL: 404-242-3288

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

8000-10000lbs
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.



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;

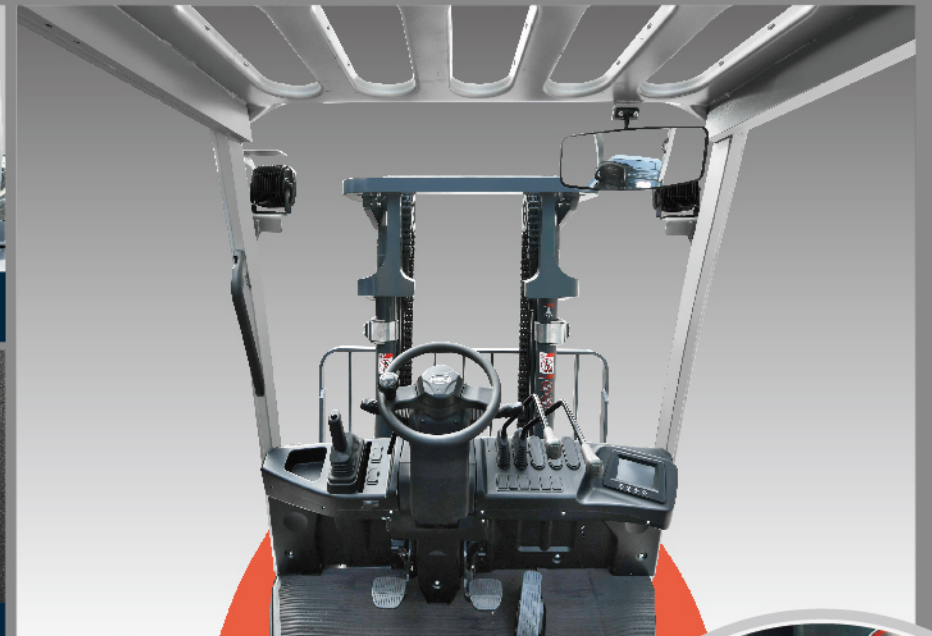
- High quality damping system matched with professional calculation make the idle vibration isolation rate up to 68%; high quality Hutchinson damping pad is adopted and has the features of more stable damping effect and longer service life;



The tilt cylinder sinks to improve the leg space;



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



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;



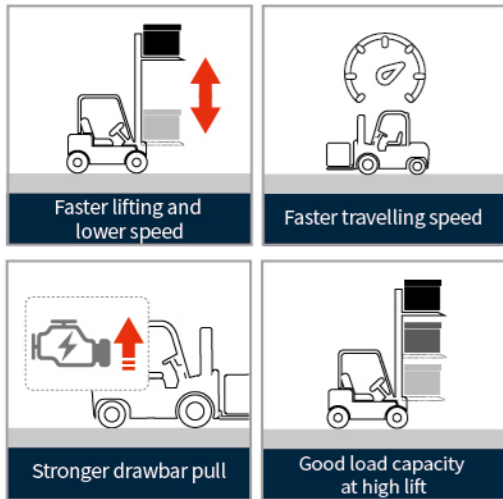
- The ratchet type parking brake handle is more labor-saving.
- Increased handle with leather anti-skid makes getting on and off more convenient; Reversing handle with horn makes truck reversing safer.

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.



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	

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		CP(Q)YD40-KUG3	CP(Q)YD45-KUG3	CP(Q)YD50-KUG3
1.03	Configuration number		KUG3		
1.04	Rated capacity	Q	lbs	8000	9000
1.05	Load center distance	c	in	24	
1.06	Power mode		Kubota Certified WG3800		
1.07	Driving mode		Sit-on type		
1.08	Front overhang	x	in	22	
1.09	Wheelbase	y	in	82.7	
Weight					
2.01	Total weight		lbs	13750	14322
2.02	Axle load (laden,front/rear)		lbs	20084/2513	21693/2579(20459/2712)
2.03	Axle load (unladen,front/rear)		lbs	6834/6944	6790/7562
2.03	Axle load (unladen,front/rear)		lbs	6834/6944	6680/8576
Tyres					
3.01	Tyre type		Pneumatic type		
3.02	Tyre size,front		8.25-15-14PR	300-15-18PR (Double-tyre 8.25-15-14PR)	
3.03	Tyre size,rear		7.00-12-14PR	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	47.6	
3.06	Tread, rear	b ₁₁	in	46.9	
Dimensions					
4.01	Mast tilt angle (forward/backward)	α/β	°	6/12	
4.02	Height (mast lowered)	h ₁	in	88.6	
4.03	Free lifting height	h ₂	in	5.9	
4.04	Lifting height (standard)	h ₃	in	118	
4.05	Max. height,extended (with backrest)	h ₄	in	167.3	
4.06	Height of overhead guard	h ₅	in	92.5	
4.07	Seat height relating to SIP (to ground)	h ₇	in	42.5	
4.08	Towing coupling height	h ₁₀	in	16.9	
4.09	Overall length (with fork)	l ₁	in	167.5	168.3 (174.2)
4.10	Overall length (without fork)	l ₂	in	125.4	126.2 (128.1)
4.11	Overall width	b ₁	in	59.4	
4.12	Fork size:thickness x width x length	s/e/l	in	2x5.9x42.1	2x5.9x42.1 (2x5.9x48)
4.13	Fork carriage,according to ISO2328			III	
4.14	Distance across fork-arms, Max./Min.	b ₅	in	54.1/11.8	
4.15	Ground clearance (laden,between mast)	m ₁	in	5.5	
4.16	Ground clearance (center of wheelbase)	m ₂	in	9.1	
4.17	Right angle stacking aisle width for pallet 39.4" x47.2" crossways	Ast	in	181.5	182.7
4.18	Right angle stacking aisle width for pallet 31.5" x47.2" lengthways	Ast	in	189.4	190.6
4.19	Min. outside turning radius	Wa	in	112.2	113.4
Performance Data					
5.01	Travel speed (laden/unladen)		mph	15.6/16.3	
5.02	Lift speed (laden/unladen)		ft/min	114/122	
5.03	Lowering speed (laden/unladen)		ft/min	88.6	
5.04	Max.drawbar pull (laden/unladen)		lbf	9217/5620	
5.05	Max.gradeability (laden/unladen)		%	33/28	30/28
5.05	Max.gradeability (laden/unladen)		%	33/28	33/28
Combustion-engine					
6.01	Engine manufacturer/Moel		Kubota Certified WG3800		
6.02	Rated power/Speed		hp/rpm	GAS:73.2/2400LPG:73.2/2400	
6.03	Max. torque/Speed		lb.ft/rpm	GAS:182/1400LPG:200.1/1400	
6.04	Cylinder number-bore x stroke			4 - 100 x120	
6.05	Engine displacement		L	3.77	
6.06	Emission			T4F	
6.07	Transmission gears (front/rear)			2/1 Intelligent gear shifting	
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		psi	2030	

Wide View Standard Mast										
Mast model	Max.lifting height (in)	Load capacity (lode center 24 in)(lbs)			Height (mast lowered) (in)	Free lift height (with backrest) (in)	Service weight (lb)			Mast tilt angle α/β (°)
		CP(Q)YD40	CP(Q)YD45	CP(Q)YD50			CP(Q)YD40/45/50	CP(Q)YD40/45/50	CP(Q)YD40	
M250	98	8000	9000	10000	78.7	5.9	13640	14212	15114	6°/12°
M300	118	8000	9000	10000	88.6	5.9	13750	14322	15224	6°/12°
M330	130	8000	9000	10000	94.5	5.9	13816	14388	15290	6°/12°
M350	138	8000	9000	10000	98.4	5.9	13860	14432	15334	6°/12°
M370	146	8000	9000	10000	102.4	5.9	13893	14465	15367	6°/12°
M400	157	8000	9000	10000	110.2	5.9	14058	14630	15532	6°/12°
M425	167	8000	9000	10000	115.2	5.9	14113	14685	15587	6°/6°
M450	177	7600	8600	9400	120.1	5.9	14157	14729	15631	6°/6°
M475	187	7400	8400	9000	125	5.9	14212	14784	15686	6°/6°
M500	197	7000	8000	8500	129.9	5.9	14267	14839	15741	6°/6°
M550	217	6400	7200	8000	141.7	5.9	14465	15037	15939	6°/6°
M600	236	6800	8000	8400	151.6	5.9	14575	15147	16049	6°/6°

Wide View Full Free 2-Stage Mast										
Mast model	Max.lifting height (in)	Load capacity (lode center 24 in)(lbs)			Height (mast lowered) (in)	Free lift height (with backrest) (in)	Service weight (lb)			Mast tilt angle α/β (°)
		CP(Q)YD40	CP(Q)YD45	CP(Q)YD50			CP(Q)YD40/45/50	CP(Q)YD40/45/50	CP(Q)YD40	
ZM250	98	8000	9000	10000	78.7	30.9	13541	14113	15015	6°/12°
ZM300	118	8000	9000	10000	88.6	40.7	13673	14245	15147	6°/12°
ZM330	130	8000	9000	10000	94.5	46.7	13761	14333	15235	6°/12°
ZM350	138	8000	9000	10000	98.4	50.6	13805	14377	15279	6°/12°
ZM370	146	8000	9000	10000	102.4	54.5	13860	14432	15334	6°/12°
ZM400	157	8000	9000	10000	110.2	62.4	14058	14630	15532	6°/12°
ZM425	167	8000	9000	10000	115.2	67.3	14146	14718	15620	6°/6°
ZM450	177	7600	8600	9400	120.1	72.2	14234	14806	15708	6°/6°
ZM475	187	7400	8400	9000	125	77.2	14322	14894	15796	6°/6°
ZM500	197	7000	8000	8500	129.9	82.1	14410	14982	15884	6°/6°
ZM550	217	6400	7200	8000	141.7	93.9	14652	15224	16126	6°/6°
ZM600	236	6400	7200	8000	151.6	103.7	14773	15345	16247	6°/6°

Note: free lift for 4-5t (without backrest):+13.4 in; free lift for5.5t (without backrest):+16.7 in;

Wide View Full Free 3-Stage Mast										
Mast model	Max.lifting height (in)	Load capacity (lode center 24 in)(lbs)			Height (mast lowered)(in)	Free lift height (with backrest) (in)	Service weight (lb)			Mast tilt angle α/β (°)
		CP(Q)YD40	CP(Q)YD45	CP(Q)YD50			CP(Q)YD40/45/50	CP(Q)YD40/45/50	CP(Q)YD40	
ZSM360	142	7600	8700	9500	76.4	71.6	14003	14575	15477	6°/6°
ZSM400	157	7600	8700	9500	81.9	77.1	14113	14685	15587	6°/6°
ZSM435	171	7600	8700	9500	86.2	81.4	14201	14773	15675	6°/6°
ZSM450	177	7600	8700	9500	88.2	83.4	14245	14817	15719	6°/6°
ZSM470	185	7600	8700	9500	90.7	85.9	14289	14861	15763	6°/6°
ZSM500	197	7600	8700	9500	96.1	91.3	14399	14971	15873	6°/6°
ZSM540	213	6500	7500	8200	102	97.2	14641	15213	16115	6°/6°
ZSM600	236	6800	7800	8400	109.8	105.0	14806	15378	16280	6°/6°
ZSM650	256	6500	7500	8200	117.7	112.9	14960	15532	16434	6°/6°
ZSM700	276	6300	7300	8000	124.6	119.8	15103	15675	16577	6°/6°

Note: free lift for 4-5t (without backrest):+13.4 in; free lift for5.5t (without backrest):+16.7 in;