



1. Colorful LCD display screen with high resolution; adjustable backlight brightness;
2. CAN bus meter to read the fault code directly;
3. Front and rear protection degree: IP 66;
4. Working temperature:-30℃~+75℃; temperature for storage:-40℃~+85℃;
5. Multi-level programmable menu;
6. More than 20 alarm indicators and 6 simulation indicators can monitor engine and trucks at the same time to protect operator and truck safety;
7. Alarm according to different grade: there are two alarm grade: the indicator will flicker for the first grade alarm and the buzzer will sound up for the second grade alarm;
8. Chinese and English are optional;
9. Point check;
10. Identity recognition;
11. GPS (optional) .

engine coolant temperature	charging indication	left turning	oil and water separator
fuel level	block of air cleaner	right turning	high temperature of exhaust
temperature of torque converter oil	hand brake	start waiting	DPF cleaning
Pressure of torque converter oil	seat switch	engine stop	forble no generation of DPF
LPG pressure	neutral indicator	alarm of low fuel	low level of DEF
	safety belt switch	alarm of engine oil pressure	fault of fingertip control
	low brake pressure	preheating indication	
	engine alarm	hourmeter	
	engine warning		

Optional

warning light
cab
buffer of mast accumulator
dual tyre of front wheel
solid tyre (optional)
thread
synchronized steering system
high exhaust
coarse filter
rear lamp
protection sleeve

full suspension seat
heater
travelling OPS
fire extinguisher
over speed alarm
automatic weight system, overload alarm
rear view system
truck networking
start with card
start with password



ANHUI HELI CO., LTD.

DISTRIBUTOR: ANHUI HELI INDUSTRIAL VEHICLE IMP. & EXP. CO., LTD.
ADD: NO 668 Fangxing Street, Hefei 230601, China
TEL: (86 551) 63639068,63639566
FAX: (86 551)63639966
WEBSITE: www.helichina.net

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

AUTHORIZED DEALER

Catalog No.191009 Fokeli Print

9000-11000 lbs (4-5 t)

G3 series Internal Combustion Counterbalanced Forklift Truck



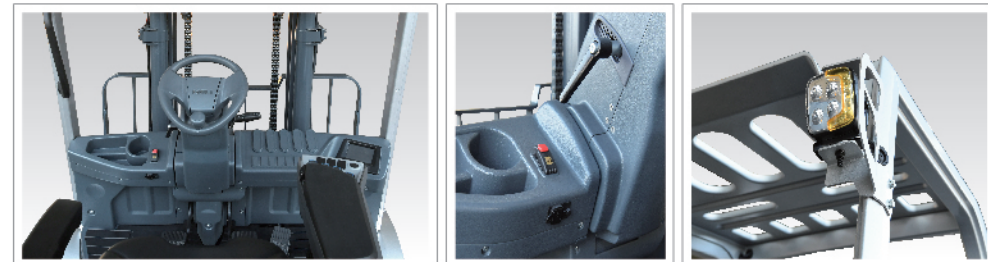
NEW GENERATION SUPERIOR QUALITY

www.helichina.com

9000-11000 lbs (4-5 t)

A design model of perfect combination of aesthetics and functional design

new generation of products with intelligent, safe, high efficient and energy saving and environmental friendly characteristics

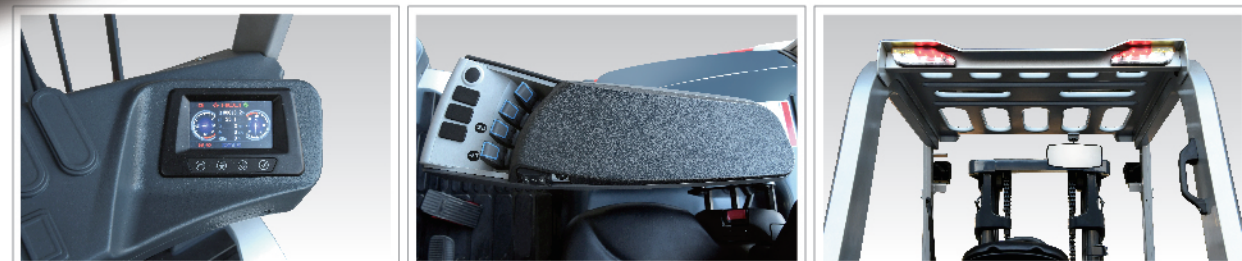


More reliable

- > The truck is assembled with dual guide-wheel transmission box which offers large ratio (more than 5) and thus truck acceleration and gradeability are improved largely.
- > Donaldson air cleaner ensures enough clean air for engine and the total efficiency reaches to 99.8%.
- > Operation safety is largely improved with maintenance-free wet type drive axle and normally closed parking brake.
- > Smart instrument monitors truck status overally and thus the truck is safe and reliable.
- > Enlarged aluminum fin-type radiator improves cooling performance.

Safer

- > The counter weight without tail structure reduces truck center of gravity and improves lateral stability.
- > Integral type welded overhead guard with high strength improves operation safety.
- > Auxiliary control system of parking improves the safety and service life of parking brake.
- > OPS system improves operation safety.
- > Safe starting on neutral and anti restarting of engine improves operation safety.
- > Automatic alarm when over speed (optional)



More energy saving

- > Variable pump with load sensing system makes the truck more energy saving. (optional)
- > Optimized design of hydraulic system effectively reduces truck fuel consumption.
- > LED lights make truck more energy saving.

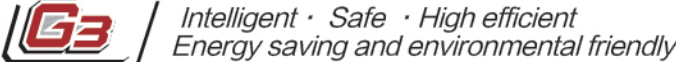
More comfortable

- > Synchronized steering of steering wheel and tyres reduces operation fatigue.
- > With thumb switch, driving fatigue is reduced.(optional)
- > Switch type electronic parking brake is easy for operation.
- > Lowering of tilting cylinder enlarges leg space.
- > Suspension seat, backward handle with horn and wide view mast improve driving experience.
- > Buffering structure of drive axle improves driving comfort.
- > Optimized design of counter weight improves backward view.

Easier maintenance

- > 80° opening angle of hood makes maintenance easier.
- > Removable wind gathering cover and filter screen make maintenance easy.

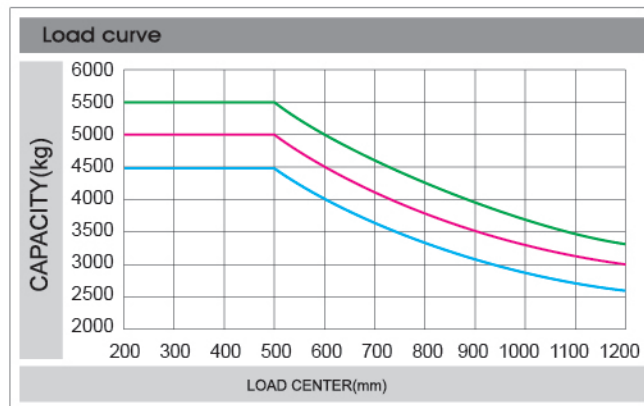
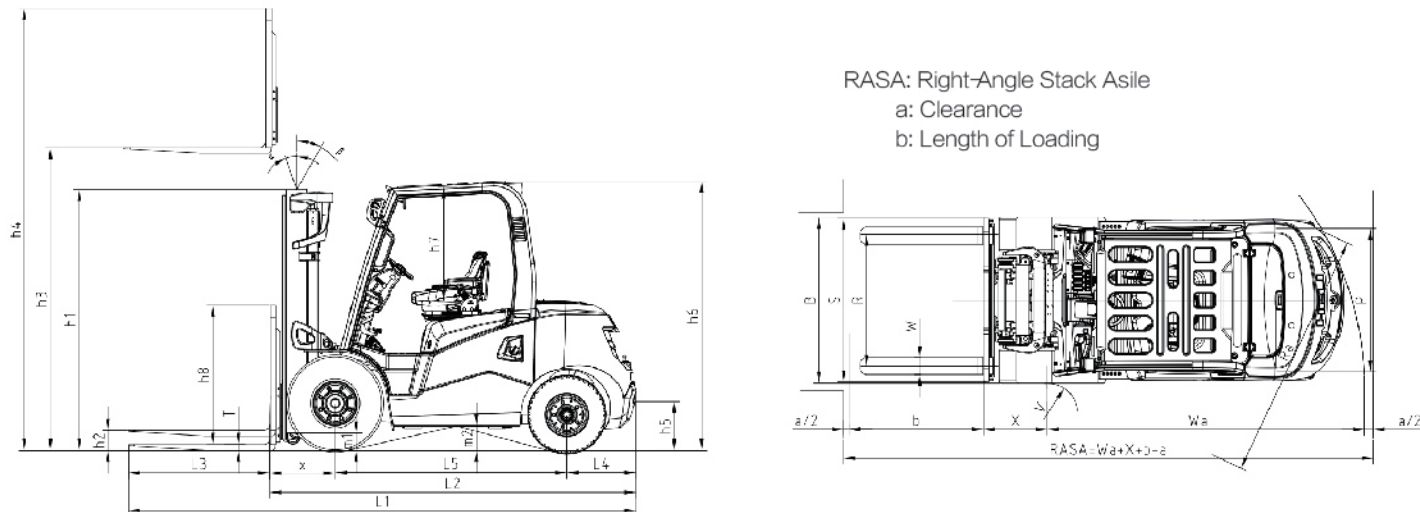
9000-11000 lbs (4-5 t)



Characteristics									
1.01	Manufacturer								
1.02	Model			CPCD40/CP(Q)YD40		CPCD45/CP(Q)YD45		CPCD50/CP(Q)YD50	
1.03	Load center		in. mm	24(20)		600(500)			
1.04	Rated capacity	lbs	kg	9000(10000)	4000(4500)	10000(11000)	4500(5000)	11000(12000)	5000(5500)
1.05	Power type			Diesel/(Dual/LPG)					
1.06	Driving mode			Sit-on type					

Dimensions										
2.01	Max.fork lifting height(With backrest)	h4	in.	mm	166.7	4235	166.7	4235	173	4395
2.02	Max.lifting height	h3	in.	mm	118	3000	118	3000	118	3000
2.03	Mast overall height (Fork to the ground and mast be vertical)	h1	in.	mm	88.6	2250	88.6	2250	88.6	2250
2.04	Backrest height (Calculated from the surface of the fork)	h2	in.	mm	47.6	1210	47.6	1210	54.9	1395
2.05	Free lift height	h2	in.	mm	5.9	150	5.9	150	5.9	150
2.06	Fork thickness	T	in.	mm	2	50	2	50	2.2	55
2.07	Fork length	m1	in.	mm	48	1220	48	1220	48	1220
2.08	Fork width	L1	in.	mm	5.9	150	5.9	150	5.9	150
2.09	Min.ground clearance(At the mast)	L2	in.	mm	5.9	150	5.9	150	5.9	150
2.10	Overall length(With fork)	L3	in.	mm	171	4340	171	4385	171	4455
2.11	Overall length(Without fork)	X	in.	mm	123	3120	123	3165	123	3235
2.12	Front overhang	L5	in.	mm	22.2	565	22.2	565	22.4	570
2.13	Wheel base	L4	in.	mm	78.7	2000	78.7	2000	78.7	2000
2.14	Rear overhang	h5	in.	mm	21.8	555	23.6	600	26	660
2.15	Traction pin height	h7	in.	mm	16.5	420	16.5	420	16.5	420
2.16	Distance from the surface of the seat to the overhead guard	h6	in.	mm	40	1020	40	1020	40	1020
2.17	Overall height(Overhead guard)	B	in.	mm	91.3	2320	91.3	2320	91.3	2320
2.18	Overall width	R	in.	mm	60.6	1450	60.6	1450	60.6	1450
2.19	Fork adjustable range(the external of the fork)	S	in.	mm	11.8-54	300/1374	11.8-54	300/1374	11.8-54	300/1374
2.20	Front tread	P	in.	mm	45.3	1150	45.3	1150	45.3	1150
2.21	Rear tread	W	in.	mm	46.8	1190	46.8	1190	46.8	1190
2.22	Turning radius(Interior)	V	in.	mm	9.8	250	9.8	250	9.8	250
2.23	Min.turning radius	Wa	in.	mm	111.6	2835	113.4	2880	115.7	2940
2.24	Min.right angle aisle width	Ra	in.	mm	106.9	2715	108.7	2760	111	2820
2.25	Mast tilting angle	α/β	deg.		6° ~12°		6° ~ 12°		6° ~12°	

	Weight								
3.01	Total weight	lbs	kg	14352	6510	15080	6840	16424	7450
	Wheel and tyre								
4.01	Wheel number x = drive wheel (Front/Rear)					2X/2			
4.02	Tyre type(Front/Rear)					Pneumatic tyre			
4.03	Tyre size(Front/Rear)					2-300-15-18PR / 2-7.00-12-14PR			
4.04	Wheels load (loaded)/front/rear			20128/3042		21650/3351		23942/3505	
4.05	Wheels load (unloaded) front/rear			6173/8180		5952/9128		6481/9943	
4.06	Service brake					Hydraulic assisted-pedal type-wet type brake			
4.07	Parking brake					Electronic rocker switch-wet type brake			



CPCD40/CP(Q)YD40 CPCD45/CP(Q)YD40 CPCD50/CP(Q)YD40

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.

WIDE VIEW MAST							
mast model	Max. lifting height (in./mm)	load capacity (load center 24in/600mm)(kg)			mast overall height (fork to the ground) (in./mm)	free lifting height (in./mm)	mast tilting angle (°) α/β
		CPD40/CPQ10/D40	CPD45/CPQ10/D45	CPD50/CPQ10/D50			
		lbs/kg	lbs/kg	lbs/kg			
M250	98/2500	9000/4100	10000/4500	11000/5000	79/2000	6/150	6°/12°
M300	118/3000	9000/4100	10000/4500	11000/5000	89/2250	6/150	6°/12°
M330	130/3300	9000/4100	10000/4500	11000/5000	94/2400	6/150	6°/12°
M350	138/3500	9000/4100	10000/4500	11000/5000	98/2500	6/150	6°/12°
M370	146/3700	9000/4100	10000/4500	11000/5000	102/2600	6/150	6°/12°
M400	157/4000	9000/4100	10000/4500	11000/5000	110/2800	6/150	6°/12°
M425	167/4250	8400/3800	9500/4300	10400/4700	115/2925	6/150	6°/16°
M450	177/4500	8100/3700	9250/4200	10000/4500	120/3050	6/150	6°/16°
M475	187/4750	8200/3700	8800/4000	9500/4200	125/3175	6/150	6°/16°
M500	197/5000	7950/3700	7950/3600	8400/3800	130/3300	6/150	6°/16°
M550	217/5500	*7500/3400	*8800/4000	*9250/4200	142/3600	6/150	3°/6°
M600	236/6000	*7050/3200	*7050/3200	*7950/3600	152/3850	6/150	3°/6°

WIDE VIEW FULL FREE 2-STAGE MAST								
mast model	Max. lifting height (in./mm)	load capacity (load center 24in./600mm)(kg)			mast overall height (fork to the ground) (in./mm)	free lifting height(in./mm)		mast tilting angle (°) α/β
		CPCD40/CQIQD40 CPCD45/CQIQD45 CPCD50/CQIQD50				CPCD40/CQIQD40 CPCD45/CQIQD45	CPCD50/CQIQD50	
		lbs/kg	lbs/kg	lbs/kg				
ZM250	98/2500	9000/4100	10000/4500	11000/5000	79/2000	31/790	25/640	6°/12°
ZM300	118/3000	9000/4100	10000/4500	11000/5000	89/2250	41/1040	35/890	6°/12°
ZM330	130/3300	9000/4100	10000/4500	11000/5000	94/2400	47/1190	41/1040	6°/12°
ZM350	138/3500	9000/4100	10000/4500	11000/5000	98/2500	51/1290	45/1140	6°/12°
ZM370	146/3700	9000/4100	10000/4500	11000/5000	102/2600	55/1390	49/1240	6°/12°
ZM400	157/4000	9000/4100	10000/4500	11000/5000	110/2800	63/1590	57/1440	6°/12°
ZM425	167/4250	8400/3800 *9050/3700	9500/4300 *10200/4200	10400/4700 *11200/4600	115/2925	68/1715	62/1565	6°/6°
ZM450	177/4500	8200/3700 *9050/3500	9250/4200 *10000/4000	10000/4500 *10800/4300	120/3050	72/1840	67/1690	6°/6°
ZM475	187/4750	7800/3500 *8200/3300	8800/4000 *9500/3800	9350/4250 *10150/4000	125/3175	77/1965	72/1815	6°/6°
ZM500	197/5000	7400/3300 *7500/3400	8200/3700 *8800/4000	8850/4000 *9250/4200	130/3300	82/2090	76/1940	6°/6°
ZM550	217/5500	*7050/3200	*7950/3600	*8400/3800	142/3600	94/2390	88/2240	3°/6°
ZM600	236/6000	*6400/2900	*7050/3200	*7950/3600	152/3850	104/2640	98/2490	3°/6°

Note: Free lift for 4-4.5t (without backrest):+290mm/11.4in.
Free lift for 5t (without backrest):+410mm/16.1in.

WIDE VIEW FULL FREE 3-STAGE MAST									
mast model	Max. lifting height (in./mm)	load capacity (load center 600mm)(kg)			mast overall height (fork to the ground) (in./mm)	free lifting height(in./mm)		mast tilting angle (°) α / β	
		CPCD40/CRQYD40	CPCD45/CRQYD45	CPCD50/CRQYD50		CPCD40/CRQYD40	CPCD50/CRQYD50		
		lbs/kg	lbs/kg	lbs/kg		CPCD40/CRQYD40	CPCD45/CRQYD45		
ZSM360	142/3600	880/3800	*1000/4250	*1060/4800	77/1950	79/2000	29/740	25/640	6°/6°
ZSM400	157/4000	880/3800	*1000/4250	*1060/4800	82/2090	84/2140	35/880	31/780	6°/6°
ZSM435	171/4350	880/3800	*1000/4250	*1060/4800	87/2200	89/2250	39/990	35/890	6°/6°
ZSM450	177/4500	880/3800	*1000/4250	*1060/4800	89/2250	91/2300	41/1040	37/940	6°/6°
ZSM470	185/4700	880/3800	*1000/4250	*1060/4800	93/2365	93/2365	45/1155	40/1005	6°/6°
ZSM500	197/5000	880/3800	*1000/4250	*1060/4800	98/2500	98/2500	51/1290	45/1140	6°/6°
ZSM450	213/5400	880/3800	*1000/4250	*1060/4800	104/2635	104/2635	56/1425	50/1275	3°/6°
ZSM600	236/6000	*5500/2500	*6600/3000	*7500/3400	113/2870	113/2870	65/1660	59/1510	3°/6°

Note: Free lift for 4-4.5t (without backrest):+2900mm/11.4in.
Free lift for 5t (without backrest):+410mm/16.1in.