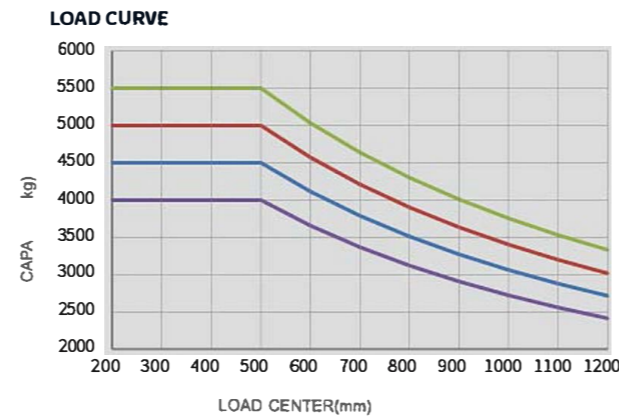


NOTE:

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
— CPCD55 — 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
- Median exhaust
- 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
- High exhaust
- 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

CPCD/CP(Q)YD 40/45/50/55 QC7G3/M4G3/KUG3/KU2G3



4-5.5 t
G3 series Internal Combustion
Counterbalanced Forklift Truck

Manufacturer and Technical Data							
Characteristics							
1.01	Manufacturer		HELI				
1.02	Model		CPCD40-*	CPCD45-*	CPCD50-*	CPCD55-*	
1.03	Configuration number		QC7G3				
1.04	Rated capacity	Q	kg	4000	4500 (4000)	5000 (4500)	5500 (5000)
1.05	Load center distance	c	mm	500 (500)			
1.06	Power mode		Diesel/LPG/Dual fuel				
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	6250	6510	6920	7280
2.02	Axle load (laden, front/rear)		kg	9110/1140	9840/1170(9280/1230)	10540/1370(10000/1420)	11270/1510(10760/1520)
2.03	Axle load (unladen, front/rear)		kg	3100/3150	3080/3430	3030/3890	3010/4270
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	mm	1210			
3.06	Tread, rear	b ₁₁	mm	1190			
Dimensions							
4.01	Mast tilt angle (forward/backward)	α/β	°	6/12			
4.02	Height (mast lowered)	h ₁	mm	2250			
4.03	Free lifting height	h ₂	mm	150			
4.04	Lifting height (standard)	h ₃	mm	3000			
4.05	Max. height, extended (with backrest)	h ₄	mm	4250		4405	
4.06	Height of overhead guard	h ₅	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	4255	4275 (4225)	4325 (4275)	4375 (4325)
4.10	Overall length (without fork)	l ₂	mm	3185	3205	3255	3305
4.11	Overall width	b ₁	mm	1510			
4.12	Fork size: thickness x width x length	s/e/l	mm	50x150x1070	50x150x1070 (50x150x1220)	50x150x1070 (50x150x1220)	55x150x1070 (55x150x1220)
4.13	Fork carriage, according to ISO2328			III		IV	
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 1000x1200mm crossways	Ast	mm	4610	4640	4690	4740
4.18	Right angle stacking aisle width for pallet 800x1200mm lengthways	Ast	mm	4810	4840	4890	4940
4.19	Min. outside turning radius	Wa	mm	2850	2880	2930	2970
Performance Data							
5.01	Travel speed (laden/unladen)		km/h	25/26			
5.02	Lift speed (laden/unladen)		m/s	0.58/0.62		0.53/0.58	
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)		%	33/28	30/28	33/28	30/28
Combustion-engine							
6.01	Engine manufacturer/Moel		QUANCHAI 4C6-88C31 BOSCH HPCR				
6.02	Rated power/Speed		kW/rpm	65/2200			
6.03	Max. torque/Speed		Nm/rpm	350/1800			
6.04	Cylinder number-bore x stroke		4-98mmx115mm/3.47L				
6.05	Engine displacement		L	3.47			
6.06	Emission		China stage III				
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		Mpa	14			

Engine model and main specification technical data for option							
Engine model	Power mode	Model	Rated power/Speed (kW/rpm)	Max. torque/Speed (Nm/rpm)	Engine displacement (L)	Cylinder number - bore x stroke	Emission
QUANCHAI 4C6-88C31 BOSCH HPCR	Diesel	CPCD40-55-QC7G3	65/2200	350/1800	3.47	4-98x115	China Stage III
Mitsubishi s6s	Diesel	CPCD40-55-M4G3	52/2300	248/1700	4.996	6-94x120	China Stage II/Euro III A
Kubota Certified WG3800	LPG	CPYD40-55-KUG3	59/2400	282/1200	3.768	4-100x120	Euro V
Kubota Certified WG3800	LPG&GAS	CPQYD40-55-KUG3	50.6/2400	271(LPG)/1200 246(GAS)/1400	3.768	4-100x120	Euro V
Kubota Non certified WG3800	LPG	CPYD40-55-KU2G3	63.2/2400	282/1200	3.768	4-100x120	Non certified
Kubota Non certified WG3800	LPG&GAS	CPQYD40-55-KU2G3	59.9 (LPG)/2400 56.8 (GAS)/2400	271 (LPG)/1200 247 (GAS)/1400	3.768	4-100x120	Non certified

Wide View Standard Mast														
Mast model	Max. lifting height (mm)	Load capacity (lode center 500mm)(kg)				Height (mast lowered) (mm)		Free lift height (with backrest) (mm)		Service weight (kg)				Mast tilt angle α/β (°)
		4t	4.5t	5t	5.5t	4-5.5t	4-5.5t	4t	4.5t	5t	5.5t			
M250	2500	4000	4500	5000	5500	2000	150	6200	6460	6870	7230	6°/12°		
M300	3000	4000	4500	5000	5500	2250	150	6250	6510	6920	7280	6°/12°		
M330	3300	4000	4500	5000	5500	2400	150	6280	6540	6950	7310	6°/12°		
M350	3500	4000	4500	5000	5500	2500	150	6300	6560	6970	7330	6°/12°		
M370	3700	4000	4500	5000	5500	2600	150	6315	6575	6985	7345	6°/12°		
M400	4000	4000	4500	5000	5500	2800	150	6390	6650	7060	7420	6°/12°		
M425	4250	4000	4500	5000	5500	2925	150	6415	6675	7085	7445	6°/6°		
M450	4500	3800 *4000	4300 *4500	4700 *5000	5200 *5500	3050	150	6435	6695	7105	7465	6°/6°		
M475	4750	3700 *4000	4200 *4500	4600 *5000	5000 *5500	3175	150	6460	6720	7130	7490	6°/6°		
M500	5000	3500 *3700	4000 *4200	4500 *4600	5000 *5000	3300	150	6485	6745	7155	7515	6°/6°		
M550	5500	3200 *3400	3600 *4000	4000 *4200	4200 *4500	3600	150	6575	6835	7245	7605	6°/6°		
M600	6000	*3200	*3600	*3800	*4000	3850	150	6625	6885	7295	7655	6°/6°		

Wide View Full Free 2-Stage Mast														
Mast model	Max. lifting height (mm)	Load capacity (lode center 500mm)(kg)				Height (mast lowered) (mm)		Free lift height (with backrest) (mm)		Service weight (kg)				Mast tilt angle α/β (°)
		4t	4.5t	5t	5.5t	4-5.5t	4-5t	5.5t	4t	4.5t	5t	5.5t		
ZM250	2500	4000	4500	5000	5500	2000	785	640	6155	6415	6825	7290	6°/12°	
ZM300	3000	4000	4500	5000	5500	2250	1035	890	6215	6475	6885	7350	6°/12°	
ZM330	3300	4000	4500	5000	5500	2400	1185	1040	6255	6515	6925	7390	6°/12°	
ZM350	3500	4000	4500	5000	5500	2500	1285	1140	6275	6535	6945	7415	6°/12°	
ZM370	3700	4000	4500	5000	5500	2600	1385	1240	6300	6560	6970	7440	6°/12°	
ZM400	4000	4000	4500	5000	5500	2800	1585	1440	6390	6650	7060	7535	6°/12°	
ZM425	4250	4000	4500	5000	5500	2925	1710	1565	6430	6690	7100	7570	6°/6°	
ZM450	4500	3800 *4000	4300 *4500	4700 *5000	5200 *5500	3050	1835	1690	6470	6730	7140	7615	6°/6°	
ZM475	4750	3700 *4000	4200 *4500	4600 *5000	5000 *5500	3175	1960	1815	6510	6770	7180	7655	6°/6°	
ZM500	5000	3500 *3700	4000 *4200	4500 *4600	5000 *5000	3300	2085	1940	6550	6810	7220	7695	6°/6°	
ZM550	5500	3200 *3400	3600 *4000	4000 *4200	4200 *4500	3600	2385	2240	6660	6920	7330	7810	6°/6°	
ZM600	6000	*3200	*3600	*3800	*4000	3850	2635	2490	6715	6975	7385	7865	6°/6°	

Note: free lift for 4-5t (without backrest): +340mm; free lift for 5.5t (without backrest): +425mm;

Wide View Full Free 3-Stage Mast														
Mast model	Max. lifting height (mm)	Load capacity (lode center 500mm)(kg)				Height (mast lowered) (mm)		Free lift height (with backrest) (mm)		Service weight (kg)				Mast tilt angle α/β (°)
		4t	4.5t	5t	5.5t	4-5t	5.5t	4-5t	5.5t	4t	4.5t	5t	5.5t	
ZSM360	3600	3800 *4000	4350 *4500	4800 *5000	5300 *5500	1940	1990	730	630	6365	6625	7035	7520	6°/6°
ZSM400	4000	3800 *4000	4350 *4500	4800 *5000	5300 *5500	2080	2130	870	770	6415	6675	7085	7590	6°/6°
ZSM435	4350	3800 *4000	4350 *4500	4800 *5000	5300 *5500	2190	2240	980	880	6455	6715	7125	7620	6°/6°
ZSM450	4500	3800 *4000	4350 *4500	4800 *5000	5300 *5500	2240	2290	1030	930	6475	6735	7145	7640	6°/6°
ZSM470	4700	3500 *3800	4000 *4200	4500 *4800	5000 *5000	2305	2355	1095	995	6495	6755	7165	7665	6°/6°
ZSM500	5000	3200 *3500	3600 *3800	4000 *4200	4500 *4800	2440	2490	1230	1130	6545	6805	7215	7720	6°/6°
ZSM540	5400	3200 *3400	3600 *3700	4000 *4200	4500 *4600	2590	2640	1380	1280	6655	6915	7325	7835	6°/6°
ZSM600	6000	*3200	*3400	*3800	*4000	2790	2840	1580	1480	6730	6990	7400	7910	6°/6°
ZSM650	6500	*2500	*2800	*3200	*3500	2990	3040	1780	1680	6800	7060	7470	7985	6°/6°
ZSM700	7000	*1800	*2000	*2500	*2800	3165	3215	1955	1855	6865	7125	7535	8060	6°/6°

Note: free lift for 4-5t (without backrest): +340mm; free lift for 5.5t (without backrest): +425mm;