Mast parameters

Mast type	Mast model	Max. lifting height (mm)	Load capacity (load center 500mm) (Kg)	Mast height (mm)			Free lifting height (with backrest) (mm)	Service weight (kg)	Mast tilting angle F/R (α/β) (deg.)
				Fork lowered	Fork extened (with backrest)	Fork extened (without backrest)			
Wide View Standard Mast	M220	2200	5000	2285	3567	3542	160	8896	15°/15°
	M250	2500	5000	2435	3867	3842	160	8934	15°/15°
	M270	2700	5000	2535	4067	4042	160	8961	15°/15°
	M300	3000	5000	2685	4367	4342	160	9000	15°/15°
	M330	3300	5000	2835	4667	4642	160	9039	15°/15°
	M350	3500	5000	2935	4867	4842	160	9065	15°/15°
	M375	3750	5000	3060	5117	5092	160	9098	15°/15°
	M400	4000	5000	3235	5367	5342	160	9231	15°/15°
	M425	4250	5000	3360	5617	5592	160	9263	15°/15°
	M450	4500	5000	3485	5867	5842	160	9296	15°/15°
	M475	4750	5000	3610	6117	6092	160	9329	15°/10°
	M500	5000	5000	3735	6367	6342	160	9362	15°/10°
	M550	5500	4750	4035	6867	6842	160	9526	15°/10°
	M600	6000	4400	4285	7367	7342	160	9592	15°/10°
Wide View Full Free 2-Stage Mast	ZM220	2200	5000	2285	3567	3577	858	8946	15°/15°
	ZM250	2500	5000	2435	3867	3877	1008	8984	15°/15°
	ZM270	2700	5000	2535	4067	4077	1108	9011	15°/15°
	ZM300	3000	5000	2685	4367	4377	1258	9050	15°/15°
	ZM330	3300	5000	2835	4667	4677	1408	9089	15°/15°
	ZM350	3500	5000	2935	4867	4877	1508	9115	15°/15°
	ZM375	3750	5000	3060	5117	5127	1633	9148	15°/15°
	ZM400	4000	5000	3235	5367	5377	1808	9281	15°/15°
	ZM425	4250	5000	3360	5617	5627	1933	9313	15°/15°
	ZM450	4500	5000	3485	5867	5877	2058	9346	15°/15°
	ZM475	4750	5000	3610	6117	6127	2183	9379	15°/10°
	ZM500	5000	5000	3735	6367	6377	2308	9412	15°/10°
	ZM550	5500	4750	4035	6867	6877	2608	9576	15°/10°
	ZM600	6000	4400	4285	7367	7377	2858	9642	15°/10°
Wide View Full Free 3-Stage Mast	ZSM360	3600	4500	2560	4967	4977	1133	9538	15°/10°
	ZSM400	4000	4500	2685	5367	5377	1258	9597	15°/10°
	ZSM435	4350	4500	2810	5717	5727	1383	9652	15°/10°
	ZSM450	4500	4500	2860	5867	5877	1433	9690	15°/10°
	ZSM480	4800	4500	2965	6167	6177	1538	9727	15°/10°
	ZSM500	5000	4500	3030	6367	6377	1603	9755	10°/10°
	ZSM540	5400	4200	3165	6767	6777	1738	9820	10°/10°
	ZSM550	5500	4100	3195	6867	6877	1768	9910	10°/10°
	ZSM600	6000	4000	3360	7367	7377	1933	10003	10°/10°

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HELI

5.0 t

G3 series Internal Combustion Counterbalanced Rough Terrain Forklift Truck



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Superior braking performance

- **Dedicated wet-type drive axle**
  Reliable braking, maintenance free, easy to handle various complex road conditions.
- **Dedicated steering drive axle**
  The truck has higher safety and stability, and is suitable for operations in mountainous areas, mining areas, and other areas with poor road environment.
- **Dedicated gearbox**
  Multi speed flexible-connected gearbox, balancing efficiency and performance.
- **Central parking brake**
  Low operating force, strong braking force.



5.0 t
G3 series
Internal Combustion
Counterbalanced
Rough Terrain Forklift Truck

Safe, reliable, and convenient maintenance



Ratchet type hand brake is reliable and has low operating force.



Front 3 and rear 1 electro-hydraulic reversing is convenient and reliable.



Equipped with two wheel drive/four wheel drive switching function, two wheel drive and four wheel drive can be switched at any time. It is convenient.



New LCD instrument with clear information display at a glance.



The hood has a large opening angle, greatly improving maintenance space.



Equipped with intake cap as standard, the intake method is more scientific and reliable.



Equipped with high exhaust as standard, which is humanized design, anti water spray and thermal insulation.



The oil filler is equipped with a lock, which is safe and reliable.



Anti slip boarding pedal is more beautiful and practical.

HELI合力

Manufacturer and Technical Data

	Characteristics			
1.01	Manufacturer			HELI
1.02	Model			CPCD50-CU1Y4G3
1.03	Rated capacity		kg	5000
1.04	Load center distance		mm	600
1.05	Power mode			Diesel
1.06	Driving mode			Seat-type
	Weight			
2.01	Total weight		kg	9000
	Wheels and tyres			
3.01	Tyre type			Tubeless
3.02	Wheels,number front/rear (x=driven wheels)			2x/2
3.03	Tyre size,front			445/65-22.5TL
3.04	Tyre size,rear			12.5/80-18TL
	Dimensions			
4.01	Lifting height (standard)	H	mm	3000
4.02	Height (mast lowered)	H1	mm	2685
4.03	Max. Lifting height, mast extended (with backrest)	H2	mm	4367
4.04	Free lifting height	H3	mm	160
4.05	Overall height (overhead guard)	H4	mm	2550
4.06	Min.Ground clearance (between mast)	H5	mm	385
4.07	Height of backrest(from the fork surface)	H13	mm	1370
4.08	Overall length (with/without fork)	L/L'	mm	4960/3740
4.09	Wheelbase(F/R)	L1	mm	2300
4.10	Front overhang	L2	mm	735
4.11	Rear overhang	L3	mm	720
4.12	Overall width	W1	mm	2130
4.13	Tread(front/rear)	W3	mm	1700/1800
4.14	Fork adjustment range (max./min. outside distance of fork)	W5	mm	2000/300
4.15	Min. Turning radius	r	mm	4560
4.16	Mast tilt angle (F/R)	α/β	°	15°/15°
4.17	Fork size:thickness x width x length	TxWxL4	mm	55x150x1220
4.18	Min.Right angle stacking aisle width for pallet	Ra	mm	5500
	Performance Data			
5.01	Travelling speed ,laden/unladen		km/h	30/32
5.02	Lifting speed ,laden/unladen		mm/s	480/520
5.03	Lowering speed ,laden/unladen		mm/s	370/350
5.04	Max. drawbar pull,laden		kN	123
5.05	Max. gradeability,laden		%	65
	Transmission			
6.01	Transmission geers (front/rear)			3-1 Power shifting M/T
	Combustion-engine			
7.01	Engine manufacturer/Model			CUMMINS F3.8
7.02	Rated power/Speed		kW/rpm	90/2200
7.03	Max. torque/Speed		Nm/rpm	500/1500
7.04	Cylinder number-bore x stroke Engine displacement		/L	4-102x115/3.8
7.05	Emission			Euro V



