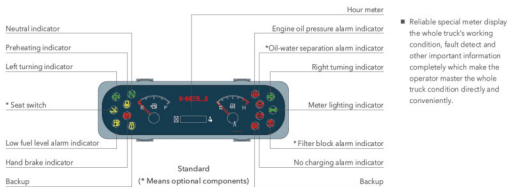


Reliable special designed instrument



Reliable special meter display the whole truck's working condition, fault detect and other important information completely which make the operator master the whole truck condition directly and conveniently.

Standard configuration	Optional	Optional
Hour meter	Overhead guard	User-specified color
Horn	Standard fork	Warning light
Oil pressure alarm	Neutral gear switch	High air exhausting device
Control valve	Hydraulic circuit oil filter	Double air cleaner
Wholly hydraulic-powered steering	Electro-hydraulic changing-over	Suspension seat
Rubber pad	Intelligent shift	Fork extension
Backrest	Speed limiting valve	Heater
Rear view mirror	Oil level gauge	Solid tyre
Front combined lamp (LED light)	Charging indicator	Widen fork carriage
Transmission oil filter	Wide view mast	Wind shield
Engine flame out device	Air intake device	Purifying muffler
Ratchet type parking brake	Durable tire with decorative pattern	Fire extinguisher/muffler
Water temperature meter	Lifting and tilting operating handles	Fire extinguisher
Driver's tools	Traction pin	Rear working light
Rear combined lamp(LED)	Semi-suspension seat	Air conditioner (certain type)
Reversing buzzer	Hydraulic oil dipstick	Hydraulic oil dipstick
Tilt lock valve	Overhead guard rain cover	Overhead guard rain cover
Tilt adjustable steering column	Torque converter oil dipstick	Torque converter oil temperature meter
Back view mirror	Combined instrument	Tilting cylinder sleeve
		Steering cylinder sleeve

# 5-10 t

## G series Internal Combustion Counterbalanced Forklift Truck



### G SERIES 5-10 t

#### Technical features remarkably improved

**Damping**

> With suspension damping structure on overhead guard(cab) and optimized design for the transmission, the whole truck's vibration reduced a lot and relieve driver's fatigue greatly.

**Noise reduction**

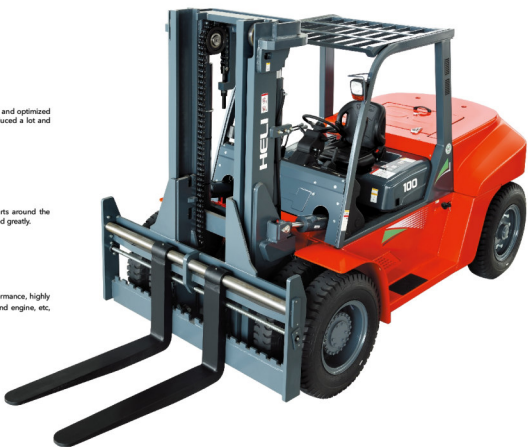
> Equipped with fully sealed cab and optimize designed parts around the engine, noise nearby ear and the truck sound level are reduced greatly.

**Heat dissipation**

> With the optimized cooling system and great cooling performance, highly improved the reliability and durability of the transmission and engine, etc, many key parts.

**Energy efficiency**

> With optimized hydraulic system, the truck is more energy-efficient and lower fuel consumption.



**Comfort**

> Man-machine engineering design improves operation comfort; wide view lifting system improves vision.

**Intelligent gear shifting**

> With electronic-hydraulic reversing system as standard configuration, make operation more light and easy; The updated new intelligent gear shifting system could avoid starting with second gear, improves the transmission box's reliability.

**Maintainability**

> Wider internal space, more reasonable parts layout and 80°hood opening angle make maintenance easy.

**Reliability**

> Key parts like frame and mast apply CAE top-down design to improve their strength and make the truck tough.



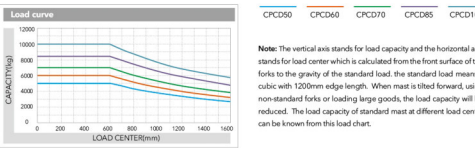
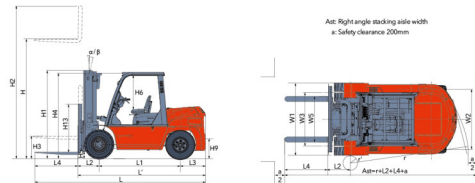
Independent integrated electric cabinet    LED signal (standard configuration)    Ratchet type parking brake    Locked fuel tank cover    Folder    Wet disc brake driving axle (optional device). Advantage: the convenient operation, stable braking and free from maintenance.

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

Manufacturer and technical parameters						
Characteristics						
1.01	Manufacturer	HELI				
1.02	Model	CPCD50	CPCD60	CPCD70	CPCD85	CPCD100
1.03	Power type	Diesel				
1.04	Rated capacity	Q	kg	5000	6000	7000 8500 10000
1.05	Load center	c	mm	600		
1.06	Driving mode	Sit on top				
Dimensions						
2.01	Max. height, extended (with backrest)	H2	mm	4400	4400	4450 4450 4415
2.02	Max. fork height	H	mm	3000	3000	3000 3000 3000
2.03	Max. height, lowered	H1	mm	2500	2500	2700 2850
2.04	Free lift	H3	mm	200	200	200 200
2.05	Backrest height (calculated from the fork surface)	H13	mm	1355	1350	1345 / /
2.06	Overhead guard clearance (from face of seat)	H6	mm	1060	1060	1060 1060 1060
2.07	Overhead guard height	H4	mm	2450	2450	2560 2560
2.08	Overall length (with forks)	L	mm	4710	4790	4840 5180 5430
2.09	Overall length (without forks)	L'	mm	3490	3570	3620 3960 4210
2.10	Front overhang	L2	mm	590	595	600 705 720
2.11	Rear overhang	L3	mm	400	475	720 755 715
2.12	Wheel base	L1	mm	2300	2300	2300 2500 2775
2.13	Traction pit center height	H9	mm	410	410	520 520 520
2.14	Min. Ground clearance (from bottom of mast)	H5	mm	200	200	250 250 250
2.15	Truck body width	W1	mm	2045	2045	2045 2165 2165
2.16	Lateral fork adjustment (outside of fork) (max./min.)	W6	mm	300-1835	300-1835	420-1915 420-2060
2.17	Front tread	W3	mm	1520	1520	1600 1600
2.18	Rear tread	W2	mm	1700	1700	1700 1700
2.19	Min. Turning radius (external)	r	mm	3240	3300	3370 3450 3900
2.20	Min. Turning radius (internal)	r	mm	200	200	200 200
2.21	In-ight angle stacking aisle width (standard load size 1200X1200)	Aat	mm	5250	5315	5390 5775 6040
2.23	Max. Mast tilting angle (forward/rear)	α/β	°	6/12	6/12	6/12 6/12
2.24	Fork size	L4	mm	55X1220X150	60X1220X150	70X1220X175 80X1220X175
Type						
3.01	Wheel number (front/rear)	4X2				
3.02	Type size (front/rear)	Pneumatic type				
3.03	Type size (rear)	8.25-15 14R 9.00-20 14R				
3.04	Type size (rear)	8.25-15 14R 9.00-20 14R				
Specifications of the brake and transmission devices						
4.01	Battery (voltage/capacity)	V/Ah	2X12/80			
4.02	Service brake	Powered brake-pedal type				
4.03	Parking brake	Mechanical-hand brake lever type				
4.04	Oil tank capacity	L	160			
4.05	Transmission type	Intelligent gear shifting				
4.06	Transmission number of speed (red/white)	2/2				
Truck specifications						
5.01	Max. Travelling speed (loaded/unloaded)	km/h	28/30	28/30	28/30	27/30 27/30
5.02	Lifting speed (loaded/unloaded)	mm/s	500/520	500/520	390/420	330/350
5.03	Lowering speed (loaded/unloaded)	mm/s	WITHOUT LOAD±300 WITH FULL LOAD±600			
5.04	Max. Draw bar (loaded)	KN	62	62	62	58 58
5.05	Max. Gradability (loaded/unloaded)	%	33/20	33/20	30/20	27/20 22/20
5.06	Weight (to include)	kg	8150	8900	9500	11400 12510
5.07	Axle load (loaded/unloaded)	kg	11830/1320	13330/1570	14450/2050	17750/2150 20030/2480
5.08	Axle load (unloaded)	kg	4050/4100	4005/4895	3900/5600	4040/5340 5510/7000
Engine specifications						
6.01	Engine manufacturer /mode	Cummins QSF3.8/Euro BA, CHINA Stage II				
6.02	Engine rated power/rotational speed	Kw/rpm	86/2200			
6.03	Engine rated torque/rotational speed	Nm/rpm	470/1100-1700			
6.04	Cylinder number	4				
6.05	Engine displacement	L	6.494			

## Optional engine model and truck main specifications

Truck specifications		Optional engine model and truck main specifications																													
Manufacturer		CPCD50	CPCD60	CPCD70	CPCD85	CPCD100	CPCD50	CPCD60	CPCD70	CPCD85	CPCD100	CPCD50	CPCD60	CPCD70	CPCD85	CPCD100	CPCD50	CPCD60	CPCD70	CPCD85	CPCD100										
Max. Travelling speed (loaded/unloaded)	km/h	28/30	28/30	28/30	28/30	28/30	26/29	26/29	26/29	26/29	26/29	26/29	26/29	26/29	26/29	26/29	26/29	26/29	26/27	26/27	26/27	26/27									
Lifting speed (loaded/unloaded)	mm/s	500/520	500/520	485/520	390/420	330/350	530/550	530/550	510/540	390/420	330/350	510/530	510/530	500/530	390/420	330/350	450/470	440/470	420/460	470/430	400/370	550/570									
Lowering speed (loaded/unloaded)	mm/s	WITHOUT LOAD±300 WITH FULL LOAD±600																													
Max. Draw bar (loaded)	KN	62	62	62	60	60	60	60	60	60	58	63	63	62	60	58	42	40	40	52	52	52	62								
Max. Gradability (loaded/unloaded)	%	33/20	34/20	30/20	22/20	20/20	34/19	31/19	29/19	23/20	21/20	38/19	35/19	32/19	23/20	21/20	23/19	20/19	20/19	32/20	30/20	42/22	36/20								
Weight (to include)	kg	8150	8900	9500	11400	12510	8100	8900	9500	11400	12510	8300	9000	9500	11400	12510	8100	9000	9500	11400	12510	8100	8900								
Axle load (loaded/unloaded)	kg	11830/1320	13330/1570	14450/2050	17750/2150	20030/2480	11830/1320	13330/1570	14450/2050	17750/2150	20030/2480	11830/1320	13330/1570	14450/2050	17750/2150	20030/2480	11830/1320	13330/1570	14450/2050	17750/2150	20030/2480	11830/1320	13330/1570								
Axle load (unloaded)	kg	4050/4100	4005/4895	3900/5600	4040/5340	5510/7000	4050/4100	4005/4895	3900/5600	4040/5340	5510/7000	4100/4170	4004/4490	3802/4648	5570/7090	4130/4170	4004/4490	3870/3780	4050/4100	3900/5600	4050/4100	4005/4895	3900/5600	5300/6040							
Engine specifications		Cummins QSF3.8/Euro BA, CHINA Stage II										Perkins 1104D-14AT					XICHAI CA4110					Mitsubishi S6T					Kubota AW3800				
Engine manufacturer /mode		Cummins QSF3.8/Euro BA, CHINA Stage II										Perkins 1104D-14AT					XICHAI CA4110					Mitsubishi S6T					Kubota AW3800				
Engine rated power/rotational speed	Kw/rpm	86/2200										83/2200					83/2000					43/2300					82/2200				
Engine rated torque/rotational speed	Nm/rpm	470/1100-1700										481/1400					450/1400-1700					285/1700					489/1500				
Cylinder number		4										4					6					6					4				
Engine displacement	L	6.494										4.4					7.127					4.29					3.8				



### 5-7t WIDE VIEW MAST

Mast model	Max. fork height (mm)	Load capacity (load center 600mm)(kg)	Mast height, lowered (mm)	Service weight (kg)	Mast tilting angle α/β				
M2000	2000	5000	6000	7000	CPCD50/60/70				
M2500	2500	5000	6000	7000	2250	8059	8715	9479	6/12°
M2750	2750	5000	6000	7000	2380	8161	8861	9611	6/12°
M3000	3000	5000	6000	7000	2500	8150	8900	9500	6/12°
M3300	3300	5000	6000	7000	2650	8199	8949	9549	6/12°
M3500	3500	5000	6000	7000	2820	8231	8981	9581	6/12°
M3750	3750	5000	6000	7000	2970	8272	9022	9622	6/12°
M4000	4000	5000	6000	7000	3050	8400	9188	9788	6/12°
M4250	4250	5000	6000	7000	3175	8478	9238	9838	6/12°
M4500	4500	5000	6000	7000	3300	8519	9269	9869	6/12°
M4750	4750	5000	6000	7000	3425	8560	9310	9910	6/12°
M5000	5000	5000	6000	7000	3550	8600	9350	9950	6/12°
M5500	5500	4750	5700	6400	3850	8794	9544	10144	6/12°
M6000	6000	4400	5400	6400	4100	8876	9626	10226	6/12°

### 5-7t WIDE VIEW FULL FREE 2-STAGE MAST

Mast model	Max. fork height (mm)	Load capacity (load center 600mm)(kg)	Mast height, lowered (mm)	Free lift (with backrest) (mm)	Service weight (kg)	Mast tilting angle α/β			
2M2500	2500	5000	6000	7000	840	8189	8939	9539	6/12°
2M2750	2750	5000	6000	7000	2310	8160	8910	9510	6/12°
2M3000	3000	5000	6000	7000	2440	8190	8940	9540	6/12°
2M3300	3300	5000	6000	7000	2610	8240	9000	9600	6/12°
2M3500	3500	5000	6000	7000	2710	8300	9060	9660	6/12°
2M3750	3750	5000	6000	7000	2835	8425	9175	9775	6/12°
2M4000	4000	5000	6000	7000	3010	8600	9350	9950	6/12°
2M4250	4250	5000	6000	7000	3135	8745	9495	10095	6/12°
2M4500	4500	5000	6000	7000	3260	8890	9640	10240	6/12°
2M4750	4750	5000	6000	7000	3385	9015	9765	10365	6/12°
2M5000	5000	5000	6000	7000	3510	9140	9890	10490	6/12°
2M5500	5500	4750	5700	6400	3810	9440	10190	10790	6/12°
2M6000	6000	4400	5400	6400	4060	9594	10344	10944	6/12°

Note: (1)15-4t: the free lift without backrest 455mm increased;(2)7t: the free lift without backrest 310mm increased.

### 5-7t WIDE VIEW FULL FREE 3-STAGE MAST

Mast model	Max. fork height (mm)	Load capacity (load center 600mm)(kg)	Mast height, lowered (mm)	Free lift (with backrest) (mm)	Service weight (kg)	Mast tilting angle α/β			
2M3400	3600	5000	6000	7000	2315	8110	8860	9460	6/12°
2M3600	3800	4500	5600	6200	2470	8160	8910	9510	6/12°
2M3800	4000	4500	5600	6200	2585	8150	8900	9500	6/12°
2M4000	4200	4500	5600	6200	2685	8150	8900	9500	6/12°
2M4200	4400	4500	5600	6200	2785	8150	8900	9500	6/12°
2M4400	4600	4500	5600	6200	2885	8150	8900	9500	6/12°
2M4600	4800	4500	5600	6200	2985	8150	8900	9500	6/12°
2M4800	5000	4500	5600	6200	3085	8150	8900	9500	6/12°
2M5000	5200	4500	5600	6200	3185	8150	8900	9500	6/12°
2M5200	5400	4500	5600	6200	3285	8150	8900	9500	6/12°
2M5400	5600	4500	5600	6200	3385	8150	8900	9500	6/12°
2M5600	5800	4500	5600	6200	3485	8150	8900	9500	6/12°
2M5800	6000	4500	5600	6200	3585	8150	8900	9500	6/12°

Note: (1)15-4t: the free lift without backrest 380mm increased;(2)7t: the free lift without backrest 270mm increased.

### 8.5-10t WIDE VIEW MAST

Mast model	Max. fork height (mm)	Load capacity (load center 600mm)(kg)	Mast height, lowered (mm)
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