



Comfort

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

Intelligent gear shifting

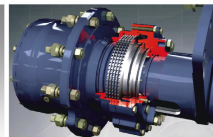
- With electronic-hydraulic reversing system as standard configuration, make operation more light and easy; The updated new intelligent gear shifting system could avoid starting with second gear, improves the transmission box's reliability.

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.



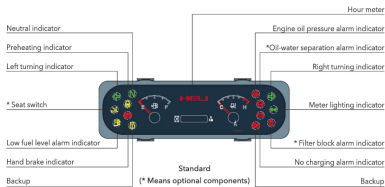
Locked fuel tank cover

Folder

Ratchet type parking brake
Advantages: the convenient operation, stable braking and free from maintenance.



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



4320 NW 72 Ave, 33166 Miami, Florida – USA
(786) 340-6550 - sales@heliforklift-florida.com
WWW.HELIFORKLIFT-FLORIDA.COM

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

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

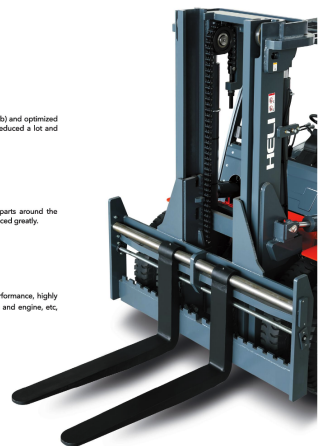
- Equipped with fully sealed cab and optimize designed parts around the engine, noise nearby ear and the truck sound level are reduced greatly.

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.



Independent integrated electric cabinet

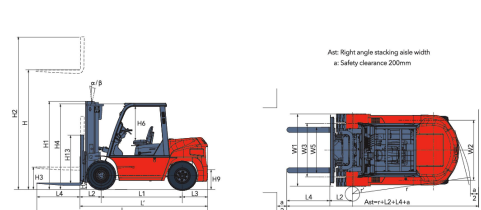
LED signal (standard configuration)

Ratchet type parking brake

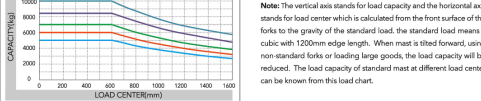
Manufacturer and technical parameters							
Characteristics							
Manufacturer	HELI						
Model	CPCD50	CPCD60	CPCD70	CPCD85	CPCD100		
Power type	Diesel						
Rated capacity	Q	kg	5000	6000	7000	8500	10000
Load center	c	mm	600				
Driving mode	Sit on type						
Dimensions							
3.01	Max. height (extended with backrest)	H2	mm	4400	4400	4400	4415
3.02	Max. fork height	H	mm	3000	3000	3000	3000
3.03	Max. height (lowered)	H1	mm	2500	2500	2500	2610
3.04	Free lift	H3	mm	200	200	200	200
3.05	Basket height (calculated from the fork surface)	H13	mm	1360	1350	1345	1345
3.06	Overhead guard clearance (from face of seat)	H4	mm	1060	1060	1060	1060
3.07	Overhead guard height	H6	mm	2450	2450	2450	2560
3.08	Overall length (with forks)	L	mm	4710	4790	4840	5180
3.09	Overall length (without forks)	L'	mm	3490	3570	3620	3960
3.10	Front overhang	L2	mm	590	595	600	705
3.11	Rear overhang	L3	mm	600	675	720	755
3.12	Wheel base	L1	mm	2300	2300	2300	2500
3.13	Traction pin center height	H9	mm	410	410	410	520
3.14	Min. Ground clearance (from bottom of mast)	H5	mm	200	200	200	250
3.15	Truck body width	W1	mm	2045	2045	2045	2165
3.16	Lateral fork adjustment (outside of fork (max./min.))	W6	mm	300-1835	300-1835	348-1944	420-2060
3.17	Front tread	W3	mm	1520	1520	1600	1600
3.18	Rear tread	W2	mm	1700	1700	1700	1700
3.19	Min. Turning radius (external)	r	mm	3240	3300	3370	3450
3.20	Min. Turning radius (internal)	r'	mm	200	200	200	200
3.21	In-right angle stacking aisle width (standard load size 1200X1200)	A1	mm	5250	5315	5390	5775
3.22	Max. tilt angle (forward/rear)	α/β	°	6/12	6/12	6/12	6/12
3.23	Fork size	L4	mm	55X1220X150	60X1220X150	65X1220X150	70X1220X170
Type							
3.01	Wheel number (front/rear)	4x/2					
3.02	Tire type (front/rear)	Pneumatic					
3.03	Tire size (front)	8.25-15.4PR					
3.04	Tire size (rear)	9.00-20-14PR					
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 (forward/backward)	2/2					
Truck specifications							
5.01	Max. Traveling speed (loaded/unloaded)	km/h	25/29	25/29	25/29	25/29	25/29
5.02	Lifting speed (loaded/unloaded)	mm/s	510/550	510/550	500/550	400/430	330/350
5.03	Lowering speed (loaded/unloaded)	mm/s	WITHOUT LOAD±300 WITH FULL LOAD±600				
5.04	Max. Draw bar (loaded)	KN	60	60	60	60	58
5.05	Max. Gradability (loaded/unloaded)	%	34/19	31/19	29/19	23/20	21/20
5.06	Weight (sit included)	kg	8300	9650	9650	11550	12640
5.07	Asle load (loaded)/front/rear	kg	11940/1340	13400/1450	14500/2150	17845/2205	20167/2493
5.08	Asle load (unloaded)/front/rear	kg	4130/4170	4060/4990	3800/5400	5082/6468	5570/7090
Engine specifications							
6.01	Engine manufacturer /mode	Cummins QSF3.8/Euro IIIA					
6.02	Engine rated power/rotational speed	Kw/rpm	82/2000				
6.03	Engine rated torque/rotational speed	Nm/rpm	415/1400-1600				
6.04	Cylinder number	6					
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. Traveling speed (loaded/unloaded)	km/h	26/30	26/30	26/30	26/30	26/30	26/30	26/30	26/30	26/30	26/30	26/30	26/30	26/30	26/30	26/30	26/30	26/30	26/30	26/30	26/30	26/30	
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	420/440	420/440	420/440	
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	58	63	62	60	58	42	40	40	40	40	60	62	62	56
Max. Gradability (loaded/unloaded)	%	39/20	34/20	30/20	22/20	20/20	34/19	31/19	29/19	23/20	21/20	33/19	35/19	32/19	23/20	21/20	23/19	20/19	20/19	42/22	36/22	32/20	24/20
Weight (sit included)	kg	8150	8900	9160	11400	12610	8150	9160	9160	11400	12610	8150	9160	9160	11400	12610	8150	9160	9160	11400	12610	11400	12610
Asle load (loaded)/front/rear	kg	11830/1320	13330/1570	14650/2050	17730/2150	20030/2480	11830/1320	13330/1570	14650/2050	17730/2150	20030/2480	11830/1320	13330/1570	14650/2050	17730/2150	20030/2480	11830/1320	13330/1570	14650/2050	17730/2150	20030/2480	11830/1320	13330/1570
Asle load (unloaded)/front/rear	kg	4050/4100	4050/4895	3900/5400	4040/5360	3510/7000	4050/4100	4050/4895	3900/5400	4040/5360	3510/7000	4050/4100	4050/4895	3900/5400	4040/5360	3510/7000	4050/4100	4050/4895	3900/5400	4040/5360	3510/7000	4050/4100	4050/4895
Engine specifications																							
Engine manufacturer /mode		Cummins QSF3.8/Euro IIIA Perkins 1104D-44TA																					
Engine rated power/rotational speed	Kw/rpm	86/2200 83/2200																					
Engine rated torque/rotational speed	Nm/rpm	418/1400 418/1400																					
Cylinder number		4 6																					
Engine displacement	L	4 4.29																					



Model	CPCD50	CPCD60	CPCD70	CPCD85	CPCD100
Max. height (extended with backrest)	4400	4400	4400	4415	4415
Max. fork height	3000	3000	3000	3000	3000
Max. height (lowered)	2500	2500	2500	2610	2610
Free lift	200	200	200	200	200
Basket height	1360	1350	1345	1345	1345
Overhead guard clearance	1060	1060	1060	1060	1060
Overhead guard height	2450	2450	2450	2560	2560
Overall length (with forks)	4710	4790	4840	5180	5180
Overall length (without forks)	3490	3570	3620	3960	3960
Front overhang	590	595	600	705	705
Rear overhang	600	675	720	755	755
Wheel base	2300	2300	2300	2500	2500
Traction pin center height	410	410	410	520	520
Min. Ground clearance	200	200	200	250	250
Truck body width	2045	2045	2045	2165	2165
Lateral fork adjustment	300-1835	300-1835	348-1944	420-2060	420-2060
Front tread	1520	1520	1600	1600	1600
Rear tread	1700	1700	1700	1700	1700
Min. Turning radius (external)	3240	3300	3370	3450	3450
Min. Turning radius (internal)	200	200	200	200	200
In-right angle stacking aisle width	5250	5315	5390	5775	6040
Max. tilt angle (forward/rear)	6/12	6/12	6/12	6/12	6/12
Fork size	55X1220X150	60X1220X150	65X1220X150	70X1220X170	80X1220X175



Note: The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front surface of the forks to the gravity of the standard load, the standard load means a cubic with 1200mm edge length. When mast is tilted forward, using non-standard forks or loading large goods, the load capacity will be reduced. The load capacity of standard mast at different load center can be known from this load chart.

5-7t WIDE VIEW MAST										
Max. fork height (mm)	Load capacity (load center 600mm)(kg)	Mast height, lowered (mm)	Service weight (kg)	Mast tilt angle α/β						
Max. fork height (mm)	CPD50	CPD60	CPD70	CPD85	CPD100					
M200	2000	5000	6000	7000	2000	8005	8705	9409	6712°	6712°
M250	2500	5000	6000	7000	2500	8069	8819	9473	6712°	6712°
M270	2700	5000	6000	7000	2300	8107	8851	9451	6712°	6712°
M300	3000	5000	6000	7000	2500	8150	8900	9500	6712°	6712°
M330	3300	5000	6000	7000	2650	8211	8949	9549	6712°	6712°
M350	3500	5000	6000	7000	2750	8231	8981	9581	6712°	6712°
M375	3750	5000	6000	7000	2875	8272	9022	9622	6712°	6712°
M400	4000	5000	6000	7000	3000	8350	9108	9708	6712°	6712°
M425	4250	5000	6000	7000	3175	8418	9228	9828	6712°	6712°
M450	4500	5000	6000	7000	3300	8519	9249	9849	6712°	6712°
M475	4750	5000	6000	7000	3425	8540	9310	9910	6712°	6712°
M500	5000	5000	6000	7000	3550	8600	9360	9960	6712°	6712°
M550	5500	4750	5700	6600	3850	8794	9544	10144	376°	376°
M600	6000	4450	5400	6400	4100	8876	9626	10226	376°	376°

5-7t WIDE VIEW FULL FREE 2-STAGE MAST										
Max. fork height (mm)	Load capacity (load center 600mm)(kg)	Mast height, lowered (mm)	Free lift (with backrest) (mm)	Service weight (kg)	Mast tilt angle α/β					
Max. fork height (mm)	CPD50	CPD60	CPD70	CPD85	CPD100					
2M250	2500	5800	6800	7800	840	8189	8939	9539	6712°	6712°
2M270	2700	5000	6000	7000	2310	940	8226	8974	9576	6712°
2M300	3000	5000	6000	7000	2440	1090	8283	9033	9533	6712°
2M330	3300	5000	6000	7000	2610	1240	8340	9090	9610	6712°
2M350	3500	5000	6000	7000	2710	1340	8377	9127	9727	6712°
2M375	3750	5000	6000	7000	2835	1465	8425	9175	9775	6712°
2M400	4000	5000	6000	7000	3010	1600	8450	9200	9800	6712°
2M425	4250	5000	6000	7000	3135	1745	8452	9402	10002	6712°
2M450	4500	5000	6000	7000	3260	1890	8495	9445	10045	6712°
2M475	4750	5000	6000	7000	3385	2040	8542	9492	10092	6712°
2M500	5000	5000	6000	7000	3510	2140	8779	9529	10149	6712°
2M550	5500	4750	5700	6600	3810	2440	8999	9749	10349	376°
2M600	6000	4450	5400	6400	4060	2690	9294	9944	10544	376°

Note: (1) 15-4t: the free lift without backrest 465mm increased; (2) 7t: the free lift without backrest 310mm increased.