

5-10 t G series
Internal Combustion
Counterbalanced Forklift Truck



5-10 t G series internal combustion counterbalanced forklift truck

Technical features remarkably improved

Damping

> With suspension damping structure on overhead guard(cab) and optimized design for the transmission, the whole trucks'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

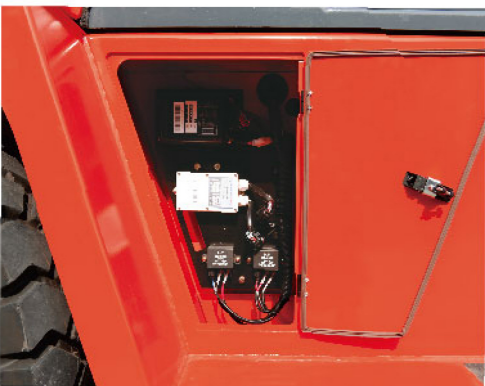
> With electronic-hydraulic reversing system as standard configuration, make operation more liaght and easy; The updated new intelligent gear shifting system could avoid starting with second gear, improves the transmission box's realiability.

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.



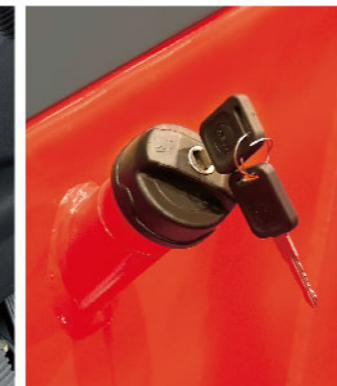
Independent integrated electric cabinet



LED signal (standard configuration)



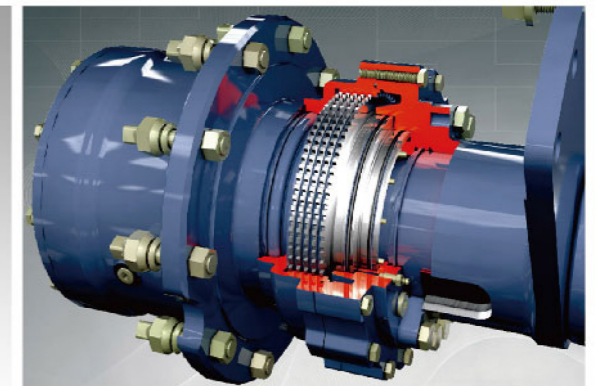
Ratchet type parking brake



Locked fuel tank cover



Folder



Wet-disc brake driving axle (optional choice): Advantages: the convenient operation, stable braking and free from maintenance.

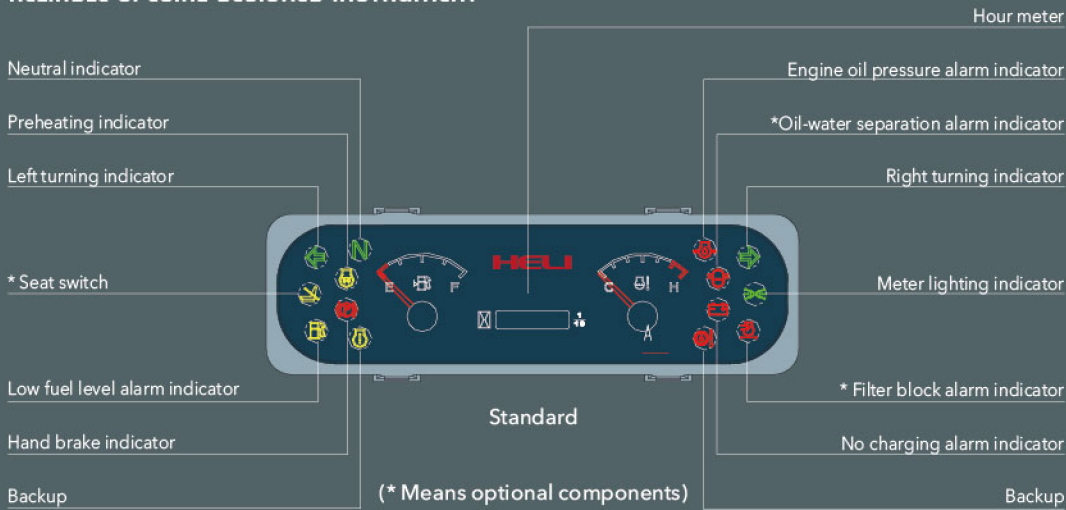
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Manufacturer and technical parameters

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 type						
Dimensions								
2.01	Mast height, extended (with backrest)	H2	mm	4400	4400	4400	4420	4415
2.02	Max. fork height	H	mm	3000	3000	3000	3000	3000
2.03	Mast height, lowered	H1	mm	2500	2500	2500	2700	2850
2.04	Free lift	H3	mm	200	200	200	200	200
2.05	Backrest height (calculated from the fork surface)	H13	mm	1360	1350	1345	1360	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	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	600	675	720	755	715
2.12	Wheel base	L1	mm	2300	2300	2300	2500	2775
2.13	Traction pin center height	H9	mm	410	410	410	520	520
2.14	Min. Ground clearance (from bottom of mast)	H5	mm	200	200	200	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	300-1835	348-1944	420-2060
2.17	Front tread	W3	mm	1520	1520	1520	1600	1600
2.18	Rear tread	W2	mm	1700	1700	1700	1700	1700
2.19	Min. Turning radius (external)	r	mm	3240	3300	3370	3650	3900
2.20	Min. Turning radius (internal)	r'	mm	200	200	200	200	200
2.21	In.right angle stacking aisle width (standard load size 1200X1200)	Ast	mm	5250	5315	5390	5775	6040
2.23	Mast tilting angle (forward/rear)	α / β	$^{\circ}$	6/12	6/12	6/12	6/12	6/12
2.24	Fork size	L4	mm	55X1220X150	60X1220X150	65X1220X150	70X1220X170	80X1220X175
Tyre								
3.01	Wheel number (front/rear)	4X/2						
3.02	Tyre type (front/rear)	Pneumatic tyre						
3.03	Tyre size (front)	8.25-15-14PR			9.00-20-14PR			
3.04	Tyre size (rear)	8.25-15-14PR			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 (fwd/bwd)	2/2						
Truck specifications								
5.01	Max. Travelling 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 \geq 300 WITH FULL LOAD \leq 600					
5.04	Max. Draw bar (loaded)	KN	60	60	60	60	58	
5.05	Max. Gradeability (loaded/unloaded)	%	34/19	31/19	29/19	23/20	21/20	
5.06	Weight (oil included)	kg	8300	9050	9650	11550	12660	
5.07	Axle load (loaded)front/rear	kg	11940/1360	13400/1650	14500/2150	17845/2205	20167/2493	
5.08	Axle load (unloaded)front/rear	kg	4130/4170	4060/4990	3870/5780	5082/6468	5570/7090	
Engine specifications								
6.01	Engine manufacturer /mode						ISUZU 6BG1	
6.02	Engine rated power/rotational speed	Kw/rpm	82/2000					
6.03	Engine rated torque/rotational speed	\downarrow m/rpm	415/1400~1600					
6.04	Cylinder number	6						
6.05	Engne displacement	L	6.494					

RELIABLE SPECIAL DESIGNED INSTRUMENT



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

Standard configuration

Hour meter	Overhead guard
Horn	Standard fork
Oil pressure alarm	Neutral gear switch
Control valve	Hydraulic circuit oil filter
Wholly hydraulic-powered steering	Electro-hydraulic changing-over
Rubber pad	Intelligent shift
Backrest	Speed-limiting valve
Rear view mirror	Oil level gauge
Front combined lamp (LED light)	Charging indicator
Transmission oil filter	Wide view mast
Engine flame out device	Air intaking device
Ratchet type parking brake	Durable tire with decorative pattern
Water temperature meter	Lifting and tilting operating handles
Driver's tools	Traction pin
Rear combined lamp(LED)	Semi-suspension seat
Reversing buzzer	Hydraulic oil dipstick
Tilt-lock valve	Overhead guard rain cover
Tilt adjustable steering column	Torque converter oil dipstick
Back view mirror	Combined instrument

Optional

Driver's cab	User-specified color
Warning light	Optional attachments
High air exhausting device	Sling
Double air cleaner	Full LED light ass'y
Suspension seat	Power switch
Fork extension	Reversing voice speaker
Heater	Universal key
Solid tyre	Overspeed 10km/h alarm
Widen fork carriage	Electric fan
Wind shield	OPS(Travelling function and loading function)
Purifying muffler	Drive axle with wet disc type brak
Fire extinguisher muffler	
Fire extinguisher	
Rear working light	
Air conditioner (certain type)	
OPS (travelling function)	
Torque converter oil temperature meter	
Tilting cylinder sleeve	
Steering cylinder sleeve	