

G series / INTELLIGENT
ENVIRONMENT-FRIENDLY

HELI AVERTEC
MALAYSIA

5-10t G series

Internal Combustion
Hydraulic Powered Truck



Tailored
For Forklift.



QSF3.8T4F

HELI
LIFTING THE FUTURE

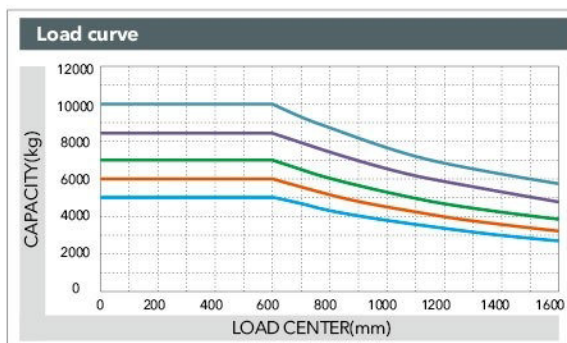
5-10t G Series Internal Combustion Hydraulic Powered Truck



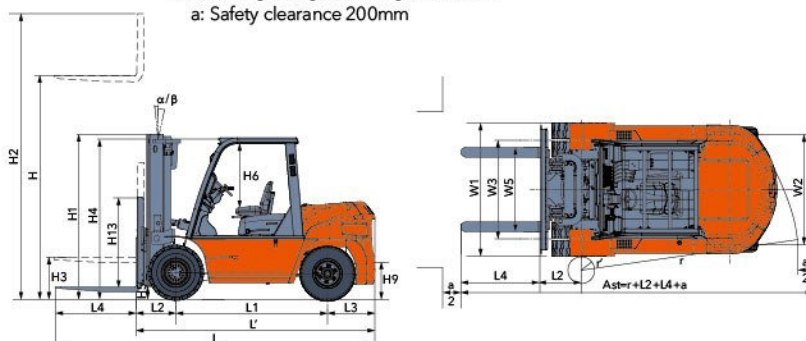
Characteristic							
1.01	manufacturer		HELI				
1.02	Model		CPCD50-CU7G	CPCD60-CU7G	CPCD70-CU7G	CPCD85-CU7G	CPCD100-CU7G
1.03	Load Capacity	kg	5000	6000	7000	8500	10000
1.04	Load Centre	mm	600				
1.05	Power Type		Diesel fuel / Diesel				
1.06	Driving style		Seat-type				
1.07	Front Tire		8.25-15-14PR			9.00-20-14PR	
Dimension Parameter							
2.01	Lifting Height(standard)	H	mm	3000			
2.02	Mast Tilt(fwd/bwd)	α/β	deg	6/12			
2.03	Min.Turning Radius	Wa	mm	3240	3300	3370	3650 3900
2.04	Overall Length(with Forks)	L	mm	4710	4790	4840	5175 5430
2.05	Overall Width	W1	mm	2045			2165
2.06	Overall Height(mast without activity)	H4	mm	2450			2560
2.07	Wheel Base	L1	mm	2300	2300	2300	2500 2755
2.08	Tread(fwd/bwd)	W3/W4	mm	1520/1700			1600/1700
2.09	Overhang(fwd/bwd)	L2/L4	mm	590/600	595/675	600/720	707/755 722/715
2.10	Min.Under clearance	H5	mm	200	200	200	250 250
2.11	Lateral Fork Adjustment(Outside of Forks)	W5	mm	300/1845			348/1944 420/2160
2.12	Fork Length	L3	mm	1220	1220	1220	1220 1220
2.13	Fork Width/Thickness	W/T	mm	55/150	60/150	65/150	70/170 80/175
Performance Parameter							
3.01	Lifting Speed(Loaded/Unloaded)	mm/s	490/520	490/520	490/520	400/420	330/350
3.02	Lowing Speed	mm/s	WITHOUT LOAD \geq 300 WITH FULL LOAD \leq 600				
3.03	Traveling Speed(Loaded/Unloaded)	km/h	29/31	29/31	29/31	30/32	30/32
3.04	Max.Gradeability	%	42/20	36/20	32/20	24/20	21/20
Engine and Gearbox							
4.01	Engine Manufacturer/Model		Cummins QSF3.8T4F				
4.02	Cyl. Number/Displacement	/L	4/3.8				
4.03	Rated Power/Rated Speed	kW/rpm	89/2200				
4.04	Max. Torque/Rated Speed	Nm/rpm	488/1600				
4.05	Gearbox		Intelligent gear shifting				

Standard		Optional	
9 inches donaldson air cleaner	Two-piece control valve	Cab	Ops for lifting
Api cooler	Hydraulic powered steering	Warning light	Integrated side shifting
Electro-hydraulic reversing		Suspension seat	Wet type brake
Intelligent gear shifting		Heater	
Pneumatic tyre		Solid tyre	
Ops for travelling		Air conditioner	

CPCD50 CPCD60 CPCD70 CPCD85 CPCD100



Ast: Min.right angle stacking aisle width
a: Safety clearance 200mm



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AUTHORIZED DEALER

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

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FEATURES OF THE COMPLETED TRUCK



Damping

- > Suspension cab and powered transmission system effectively reduce truck vibration.

Energy efficiency

- > Constant displacement pump load sensing steering system effectively is used which reduces truck fuel consumption.
- > Noised is reduced through fully sealed cab and application of high performance sound absorbing material on panels such as engine hood, cooler cover and so on.

Noise reduction

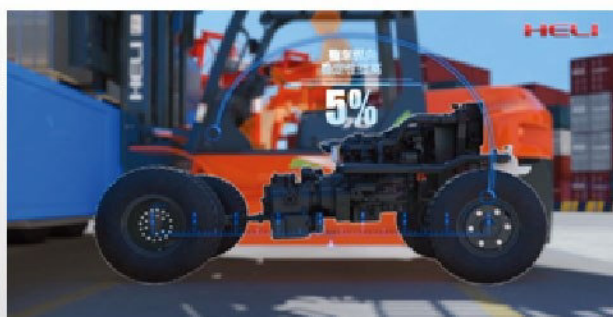
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Environmental friendliness

- > Cummins QSF3.8 T4F high performance engine is adopted and the truck meets Euro IV and Tier 4F emission standard.
- > Aftertreatment emission automatic monitoring system realizes real time emission control and ensures that the truck meets emission standards.

Safety

- > CAE forward design is applied on key parts such as frame, mast, overhead guard and so on which ensures truck strength and makes truck tougher.
- > OPS for travelling function and OPS system for lifting system (optional) can protect the safety of operator better.
- > Truck longitudinal stability is improved through optimized wheelbase and structure of balance weight and thus the truck is more stable when loading and unloading goods and travelling.
- > Neutral starting and neutral indicator avoids engine starting with load caused by mis-operation.



Reliability

- API enlarged cooler and 9 inches Donaldson air cleaner ensure high working efficiency of engine.
- Intelligent gear shifting system avoids starting on second gear and improves transmission working reliability.
- The truck applies electronic control network and CAN bus communication; water-proof level of key electronic parts reaches IP67.

Convenient

- The fuel tank and DEF box match well to ensure that the adding intervals of fuel and urea are consistent.
- The separated integrating electric control box is waterproof, dustproof, heat insulation and greasy dirt insulation which reduces failure rate of electric parts and facilitates maintenance.
- The max. opening angle of engine hood reaches 80° to provide wide space for check and maintenance.

Comfort

- Interactive ergonomic design improves operation comfort.
- Optimized position of steering wheel adjusting mechanism makes adjusting easy and reliable.
- Wide view lifting system Improves visibility. Buffering at the low end is standard.
- The electro-hydraulic reversing system is standard and it makes operation easy and convenient.



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QSF3.8T4F

CUMMINS QSF3.8T4F Engine

➤ Powerful engine

The four-cylinder, turbo-charged engine is built for power, reliability and economy. This engine meets EPA Tier 4 and EU Stage IV emissions regulations.

➤ Excellent fuel efficiency

These new models feature improved fuel consumption compared to previous models.

➤ High torque at low speeds

➤ Excellent transient behavior

