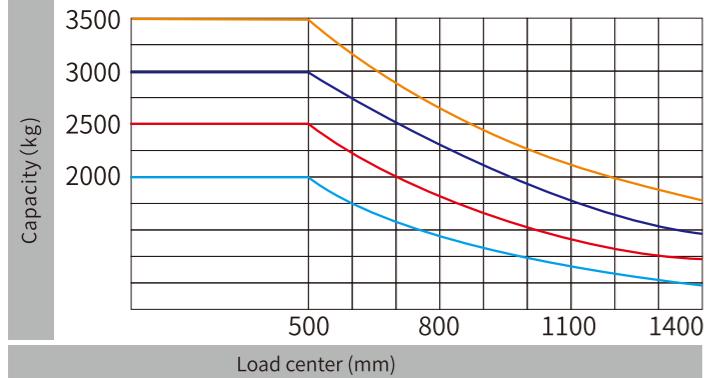


**Standard configuration**      **Optional**

Continuously variable transmission system	Backward buzzer	Cab	Protection net of overhead guard
Electro-hydraulic direction changing	Backrest	Air conditioner(certain type)	Reversing voice speaker
Air filter pressure alarm	Driver's tool	Heater	Universal key
4.3inch LCD color screen intelligent instrument	Standard fork	Front/Overhead /Rear windshield	Synchronized steering
Operator-presence control system (OPS)	Integrated electric box	Lifting valve stem horn button	Rear view camera
Flickering warning light	Overhead guard rain cover	Fire extinguisher	Tachograph
USB interface	Wide view mast	Fan	Red/blue warning light
Comfortable seat	Durable tread tyre	Double air cleaner	Finger tip operation system
Chassis protective base plate	Tilt oil circuit self lock valve	Fork extension	Overspeed alarm
Protection net of exhaust	Flow regulator	Solid tyre	Speed limit function
Adjustable steering wheel	Traction pin	Widen fork arm carrier	Starting through card or face recognition
Control valve	Starting through card (National IV model)	Cleansing muffler(certain type)	Internet of vehicle
Low exhaust	Visualized reminder for electrical appliances	Rear working light	HELI active stability safety control system (HLASS)
Back view mirror	Oil filler cap with lock	Optional attachments	HELI intelligent Anti-collision warning system(HLACW)
Handle ball steering wheel	Reversing handle(with horn)	Lifting slings	HELI visual warning system(HLVWS)
Protection for steering cylinder		Main switch	HELI smart fleet management system
Front combined lamp		High exhaust/Middle exhaust	Weighing system
Rear combined lamp		Warning light	

**Load curve**

CPCD20 CPCD25 CPCD30 CPCD35  
CP(Q)(Y)D20 CP(Q)(Y)D25 CP(Q)(Y)D30 CP(Q)(Y)D35

**Note:** The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front of the fork. The base point of the standard load refers to the center position of the cube with 1000mm length of side. When mast is tilted forward, nonstandard fork usage or load with over wide goods, load capacity will be reduced. Different load capacity in different load center can be known in time through load chart.


**ANHUI HELI CO., LTD.**

Add / No.668, FangXing Road, Hefei, China  
Fax / +86-551-63639966  
Tel / +86-551-63639068(America); 63639258(Europe);  
63639358(Asia); 63662105(Africa & Middle East)



FIC(G3)010 EN  
Design&PrintForForklift Printing 20200324

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

# CP(D) 20/25/30/35

# CP(Q)(Y)D 20/25/30/35


**2-3.5 t**
**G3 series Internal Combustion  
Counterbalanced Forklift Truck**



*New flagship of internal combustion trucks  
shapes an intelligent future*

Safe / Efficient / Intelligent / Energy Saving / Comfortable

## Excellent safety

The mast is equipped with overlapping pulley groups for a wide field of vision and safer operation.



The overall stamping design of the cab offers enhanced safety protection.

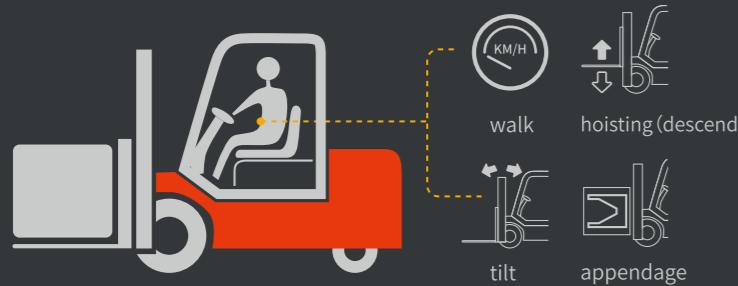


The controller has passed dual certifications of functional safety and CE, utilizing a dual CPU design for dual protection, further enhancing the safety of the entire truck. (Standard on trucks meeting Euro V, optional on other models)



The multi-point horn button is equipped to provide safety warnings under various conditions.

The multi-point horn button is equipped to provide safety warnings under various conditions. **Driver Presence Safety System**



The driver presence safety system meets the needs of different regional customers, making driving operations safer.



Personalized speed control system meets different speed limit requirements (electronic control machine).

## Significant Efficiency

- The truck is configured with a large-capacity air filter with a safety filter and pressure alarm function to effectively purify the intake air and monitor the degree of air filter blockage in real time.
- The lifting system has been comprehensively upgraded for longer maintenance cycles and high load bearing capacity.
- The entire truck adopts a fully hydraulic load-sensitive system for precise operation, greater efficiency, and enhanced comfort.
- The truck is equipped with an electrical failure visualization warning system, which provides engine fault warnings, fault displays for the truck's electrical system, and machine maintenance information reminders for efficient and convenient operation.
- A multi-dimensional human-machine interaction intelligent instrument monitors the overall status of the truck, and can achieve functions such as card-based start-up, providing efficient and flexible operation.
- The engine hood has a large opening angle, and the front and rear bottom boards are detachable for convenient maintenance.
- Card swipe for truck start
- Password start
- Large opening angle engine cover



Starting through card



Starting through password

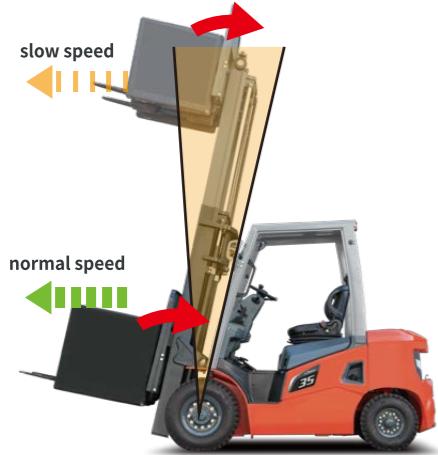


Large opening angle hood

# Multi-dimensional intelligence

## [HELI Active Stability System] (HLASS) (optional)

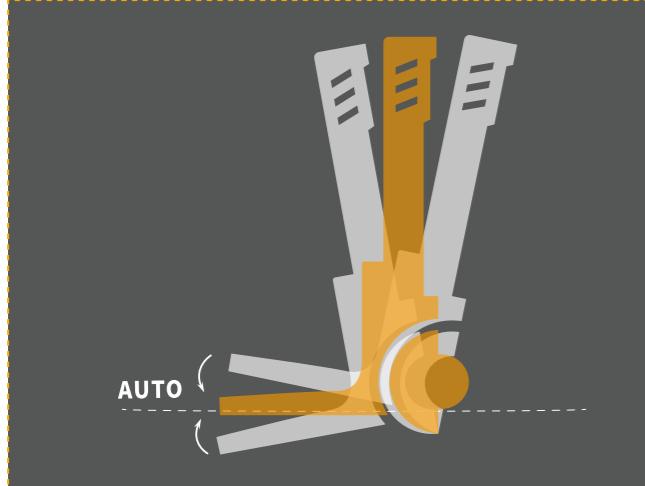
Equipped with the HELI active stability safety control system, it achieves multi safety controls such as thumb switch control, synchronized steering, automatic leveling of forks, inclined buffering at the end of forks, and mast tilting speed control, comprehensively enhancing driving and handling safety.



**Mast speed control function:** When working at a high position, the mast's rear tilt speed is intelligently controlled, and the front and rear tilt ends are intelligently buffered to maintain stability during high-altitude operations.



**Mast angle limit function:** When working at a high position, the mast's forward tilt angle is limited to maintain stability during high-altitude operations.



### Fork one-button leveling function

When the mast is tilted, press the automatic leveling button, and the fork automatically returns to the horizontal position, which is intelligent and convenient.

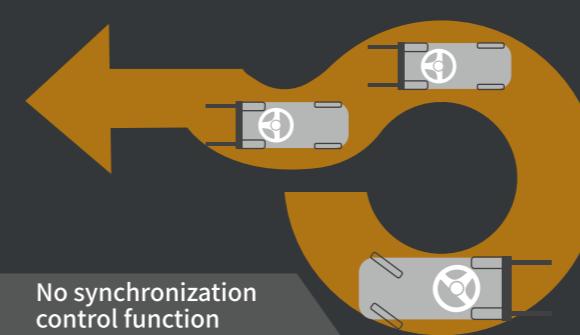


### Seat fingertip control

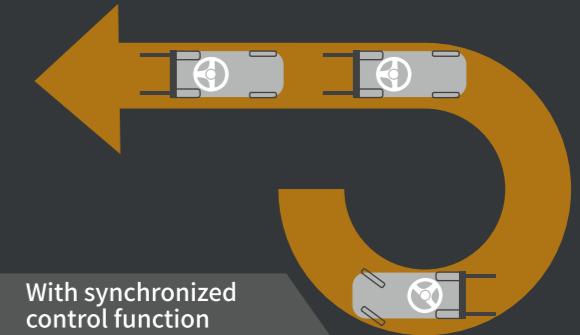
The multifunctional armrest of the seat allows you to use your fingertips to control the truck's driving, cargo loading and unloading, and warning operations.

## [Synchronous steering] (optional)

The synchronous steering function: a hydraulic synchronized steering system that adjusts the steering wheel and wheel angles in real-time provides precise steering and comfortable driving.



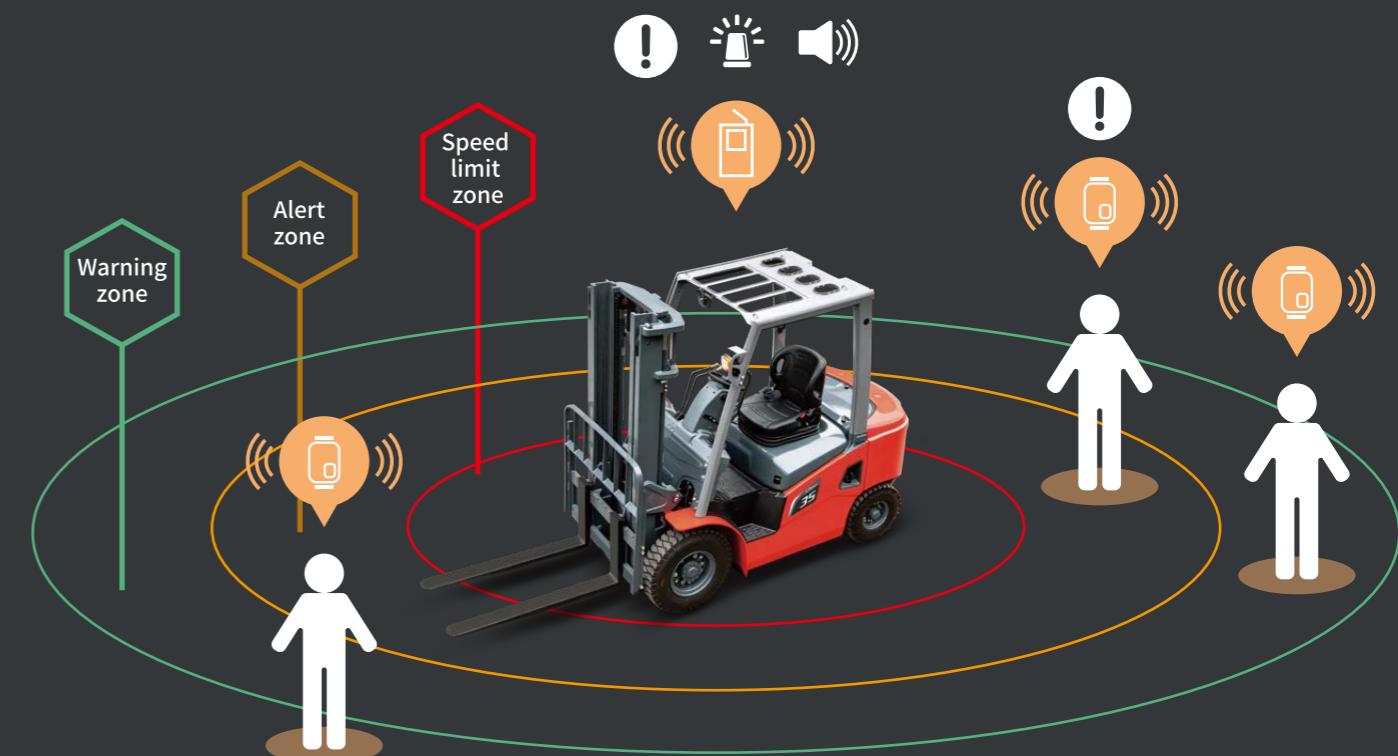
No synchronization control function

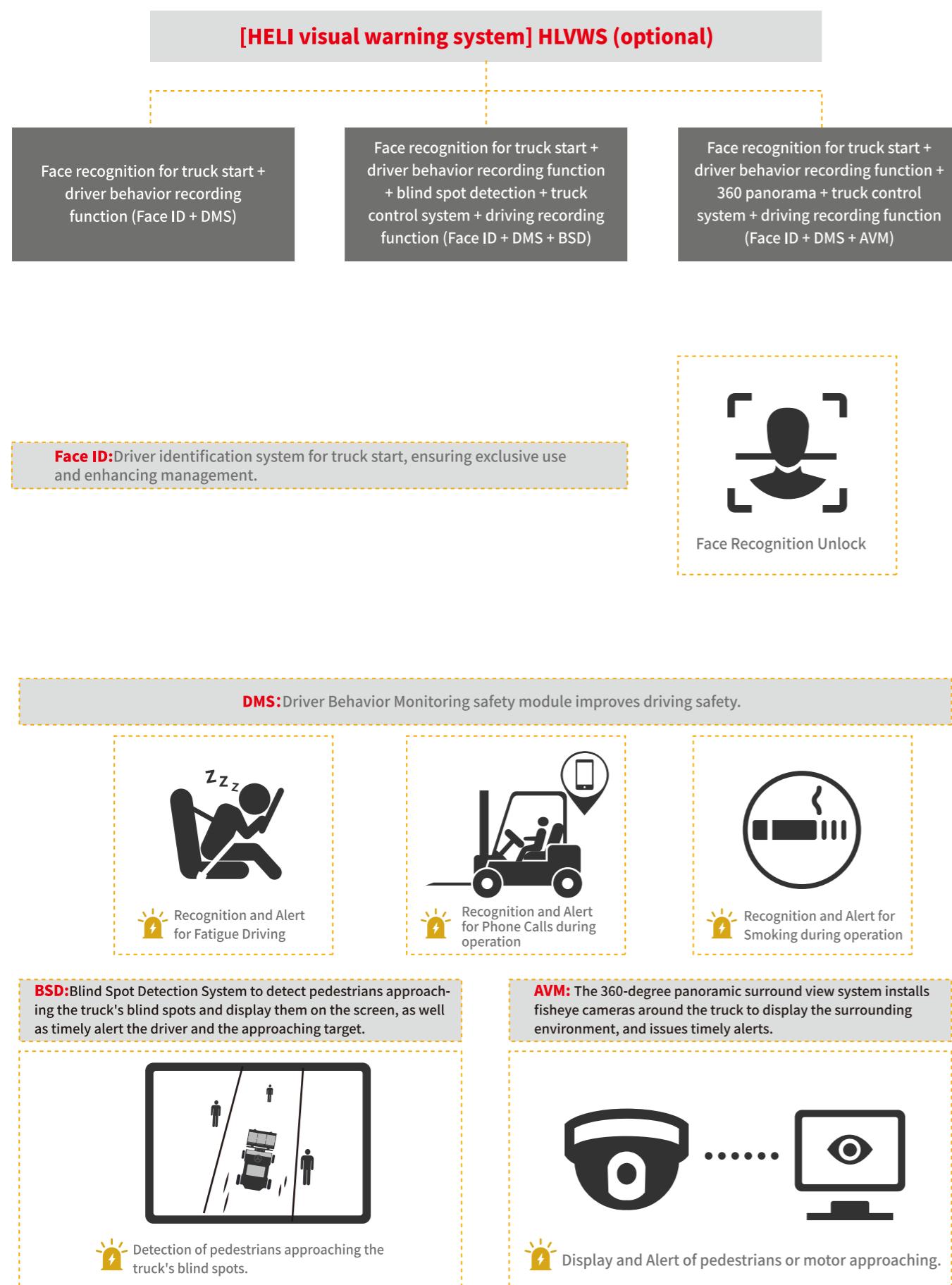


With synchronized control function

## [HELI intelligent Anti-collision warning system HLACW](optional)

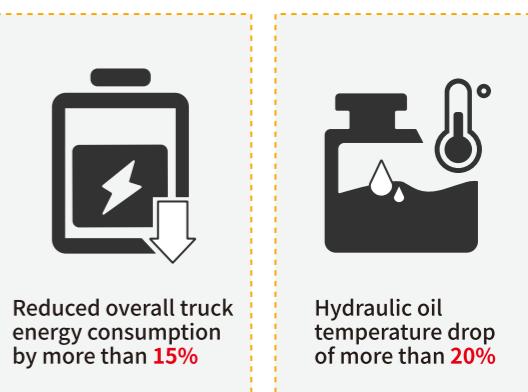
HELI Anti-collision Intelligent Warning System offers multiple intelligent systems such as UWB anti-collision warning and reverse anti-magnetic collision warning, providing comprehensive protection for driving safety.



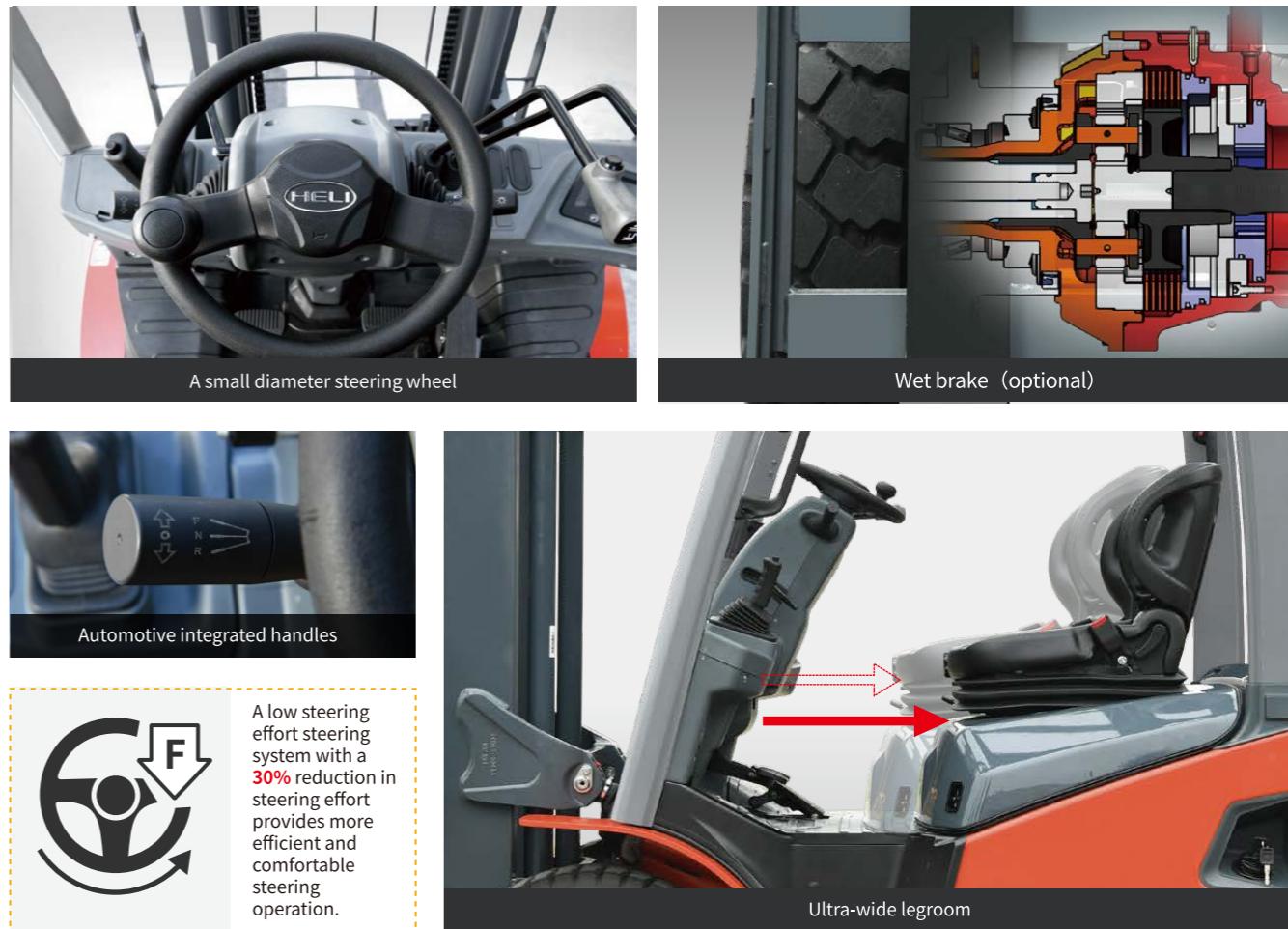


## Green and Energy-saving

- The overall truck system has been matched and upgraded, reducing the energy consumption of the entire machine by more than 15% compared to previous generation products.
- The truck is equipped with a low-loss and low-consumption hydraulic system, the hydraulic oil temperature of the entire machine is reduced by more than 20% compared to previous generation products.
- The truck is equipped with the latest emissions-compliant energy-saving internal combustion engines that meet local requirements, ensuring green and energy-saving operation.



## Driving comfort



## MANUFACTURER AND TECHNICAL DATA

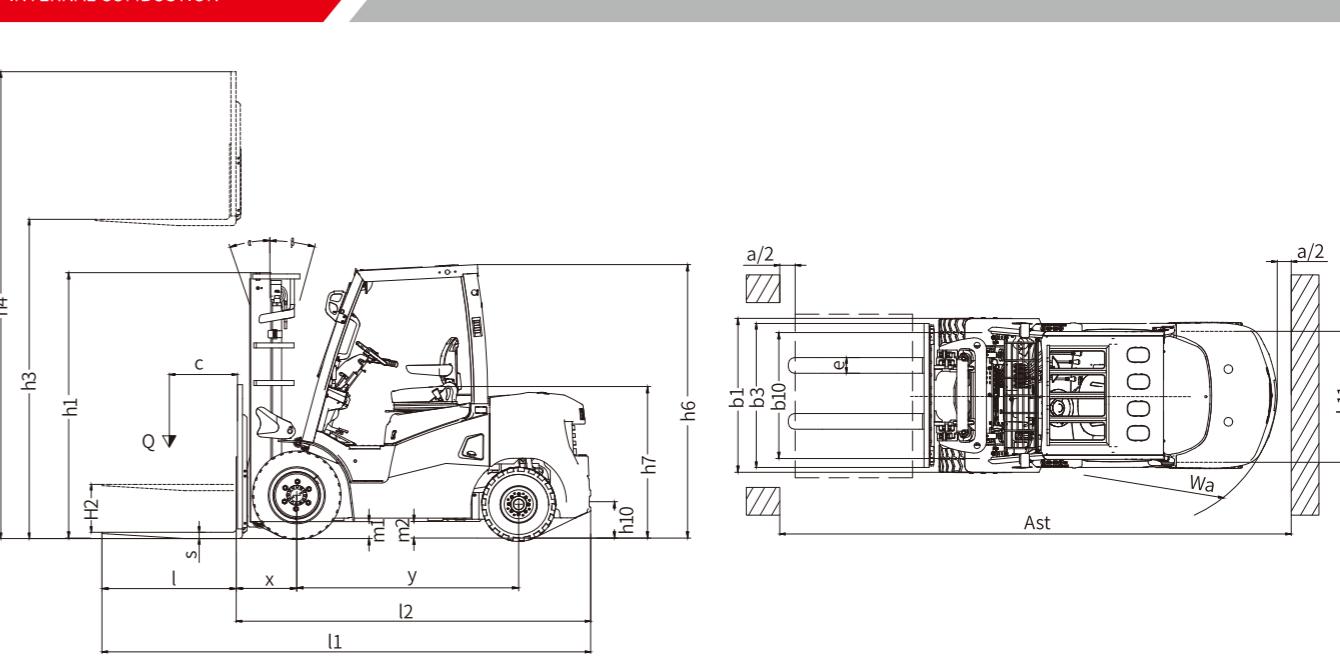
Identification		HELI					
1.01	Manufacturer						
1.02	Model	CPCD20/CP(Q)YD20 CPCD25/CP(Q)YD25 CPCD30/CP(Q)YD30 CPCD35/CP(Q)YD35					
1.03	Drive	Diesel/ (GAS) LPG					
1.04	Operator type	Seat-type					
1.05	Rated capacity/rated load	Q	kg	2000	2500	3000	3500
1.06	Load centre distance	c	mm	500	500	500	500
1.07	Load distance, centre of drive axle to fork	x	mm	462	462	477	482
1.08	Wheelbase	y	mm	1720	1720	1770	1770
Weights							
2.01	Service weight	kg	3475	3925	4375	4720	
2.02	Axle loading, laden front/rear	kg	4815/660	5655/770	6490/885	7235/985	
2.03	Axle loading, unladen front/rear	kg	1275/2200	1425/2500	1575/2800	1700/3020	
Wheels / chassis							
3.01	Tyres: solid rubber, superelastic, pneumatic, polyurethane	Pneumatic tire					
3.02	Tyre size, front	7.00-12-12PR		7.00-12-12PR	28*9-15-14PR	28*9-15-14PR	
3.03	Tyre size, rear	6.00-9-10PR		6.50-10-10PR	6.50-10-10PR		
3.04	Wheels, number front/rear (x=driven wheels)	2x/2		2x/2	2x/2	2x/2	
3.05	Tread, front	b10	mm	970	970	1000	1000
3.06	Tread, rear	b11	mm	970	970	970	970
Dimensions							
4.01	Tilt of mast/fork carriage forward/backward	$\alpha/\beta$	°	6/12	6/12	6/12	6/12
4.02	Height, mast lowered	h1	mm	2000	2000	2070	2120
4.03	Free lift	h2	mm	150	150	155	160
4.04	Lift	h3	mm	3000	3000	3000	3000
4.05	Height, mast extended	h4	mm	4030	4030	4217	4217
4.06	Height of overhead guard	h6	mm	2160	2160	2180	2180
4.07	Seat height/stand height	h7	mm	1030	1030	1125	1125
4.08	Coupling height	h10	mm	275	275	295	295
4.09	Overall length	l1	mm	3510	3745	3870	3895
4.10	Length to face of forks	l2	mm	2590	2675	2800	2825
4.11	Overall width	b1	mm	1160	1160	1225	1225
4.12	Fork dimensions ISO 2331	s/e/l	mm	40/122/920	40/122/1070	45/125/1070	50/125/1070
4.13	Fork carriage ISO 2328, class/type A, B	IIA		IIA	IIIA	IIIA	
4.14	Fork-carriage width	b3	mm	1038	1038	1100	1100
4.15	Ground clearance, laden, below mast	m1	mm	115	115	135	135
4.16	Ground clearance, centre of wheelbase	m2	mm	115	115	135	135
4.17	Aisle width for pallets 1000 × 1200 crossways	Ast	mm	3880	3960	4070	4150
4.18	Aisle width for pallets 800 × 1200 crossways	Ast	mm	4080	4160	4270	4350
4.19	Turning radius	Wa	mm	2220	2300	2400	2475
Others							
5.01	Operating pressure for attachments		bar	140	140	140	140
5.02	Oil volume for attachments		L/min	55	55	64	64

## TECHNICAL DATA

1.01	Model	CPCD20	CPCD25	CPCD30	CPCD35	CP(Q)YD20	CP(Q)YD25	CP(Q)YD30	CP(Q)YD35				
1.02	Travel speed, laden/unladen	km/h	17/18	17/18	18/19	18/19	17/18	18/19	18/19				
1.03	Lift speed, laden/unladen	m/s	0.55/0.61	0.55/0.61	0.47/0.51	0.42/0.45	0.55/0.61	0.55/0.61	0.46/0.50				
1.4	Lowering speed, laden/unladen	m/s	0.45/0.50	0.45/0.50	0.45/0.50	0.45/0.50	0.45/0.50	0.45/0.50	0.45/0.50				
1.05	Max. drawbar pull, laden/unladen	kN	22/13	22/14	21/15	20/16	24/13	24/14	23/15				
1.06	Max. gradeability, laden/unladen <sup>1)</sup>	%	38/28	35/23	28/22	25/22	30/26	29/22	28/22				
1.07	Service brake	Hydraulic					Hydraulic						
Combustion engine													
2.01	Engine manufacturer/type	Quanchai 498 (China stageIV)			KUBOTA WG2503 (EU Stage V/EPA/CARB Tier3)								
2.02	Fuel type	Diesel			LPG/Gas								
2.03	Engine power according to DIN ISO 1585	kW	36.8			LPG:43.5/GAS:42.8							
2.04	Rated speed	min <sup>-1</sup>	2500			2600							
2.05	Number of cylinders/displacement (−)/L	4/3.17			4/2.491								
2.06	Configuration model	CPCD20~35-Q29RG3			CP(Q)YD20~35-KU1RG3								
Performance													
3.01	Max.Traveling Speed (Loaded/Unloaded)	km/h	18/18	18/18	18/18	18/18	18/19	18/19	19/19				
3.02	Lifting Speed (Loaded/Unloaded)	mm/s	560/600	560/600	500/550	430/450	500/550	455/480	400/420				
3.03	Lowing Speed (Loaded/Unloaded)	mm/s	450/500	450/500	450/500	450/500	450/500	450/500	450/500				
3.04	Max.Drawbar Pull (Loaded/Unloaded)	kN	18/12	18/13	20/14	21/16	19/13	19/12	20/16	22/18			
3.05	*Max.Gradeability (Loaded/Unloaded)	%	26/22	24/20	34/23	28/22	28/23	26/22	22/23	25/23			

## ENGINE MODEL AND MAIN SPECIFICATION OPTION

Engine Model	Rated Power/ Rotating Speed (kW/rpm)	Rated Torque/ Rotating Speed (Nm/rpm)	Engine Displacement (L)	Engine Cylinder Number-Borexstroke	Fuel Type	Emission	Truck Model
GCT GK25	LPG: 47/2600 GAS: 44/2600	LPG: 190/1600 GAS: 168/1600	2.488	4-89x100	Gas/LPG	-	CP(Q)YD20~35-RC6RG3
Cummins F2.8CS449	36/2500	186/1500	2.776	4-94x100	Diesel	China Stage IV	CPCD20~35-CU6RG3
KUBOTA V2403	42.6 / 2400	195.6 / 1500	2.434	4-87×102.4	Diesel	Euro Stage V/EPA T4F	CPCD20~35-KU24RG3
Mitsubishi S4S	35.3/2250	177/1700	3.331	4-94×120	Diesel	-	CPCD20~35-M3RG3
XINCHAI 3E22YG51	44.8/2400	210/1600~1800	2.23	3-94×107	Diesel	Euro Stage V	CPCD20~35-XC26RG3



WIDE VIEW MAST			
----------------	--	--	--