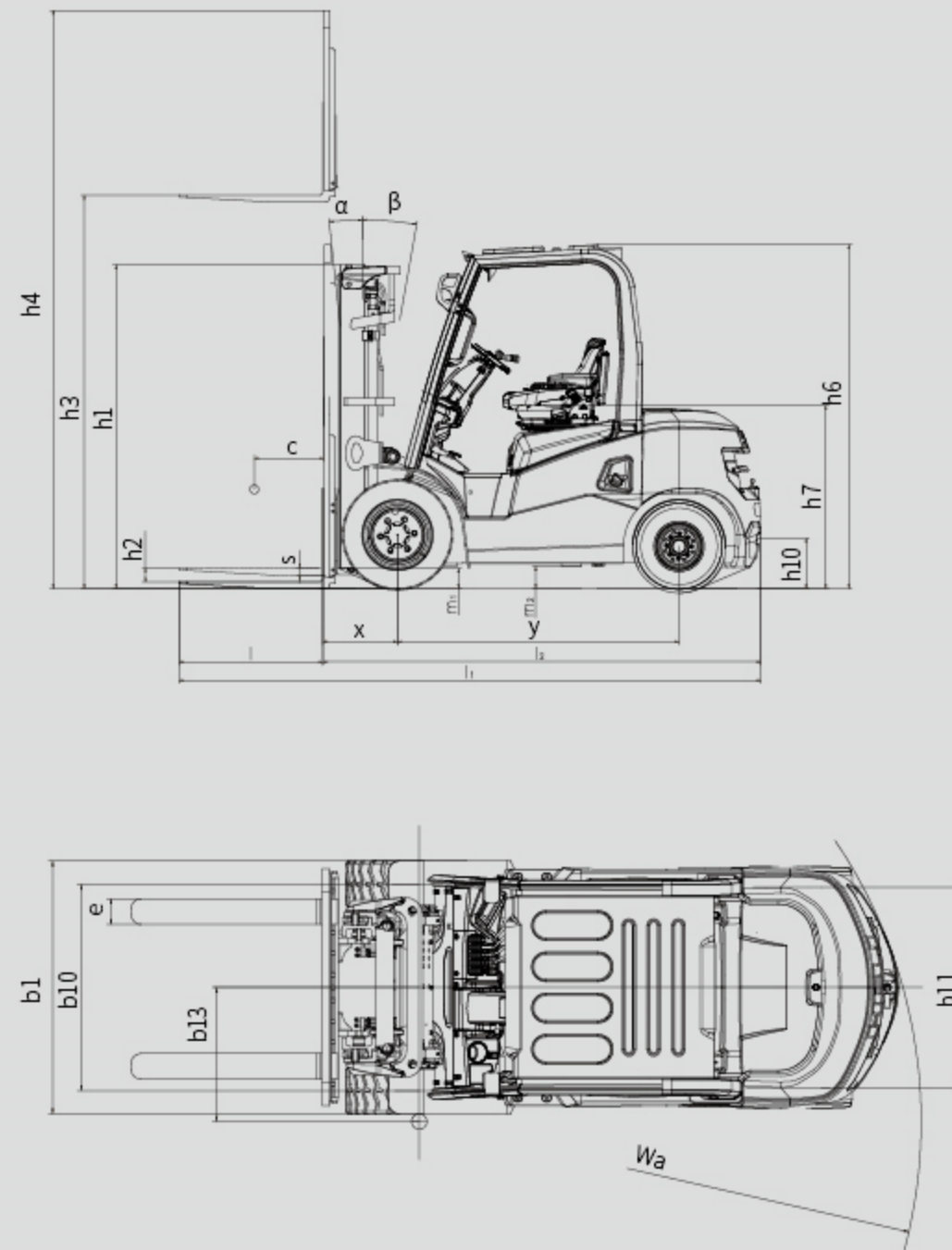


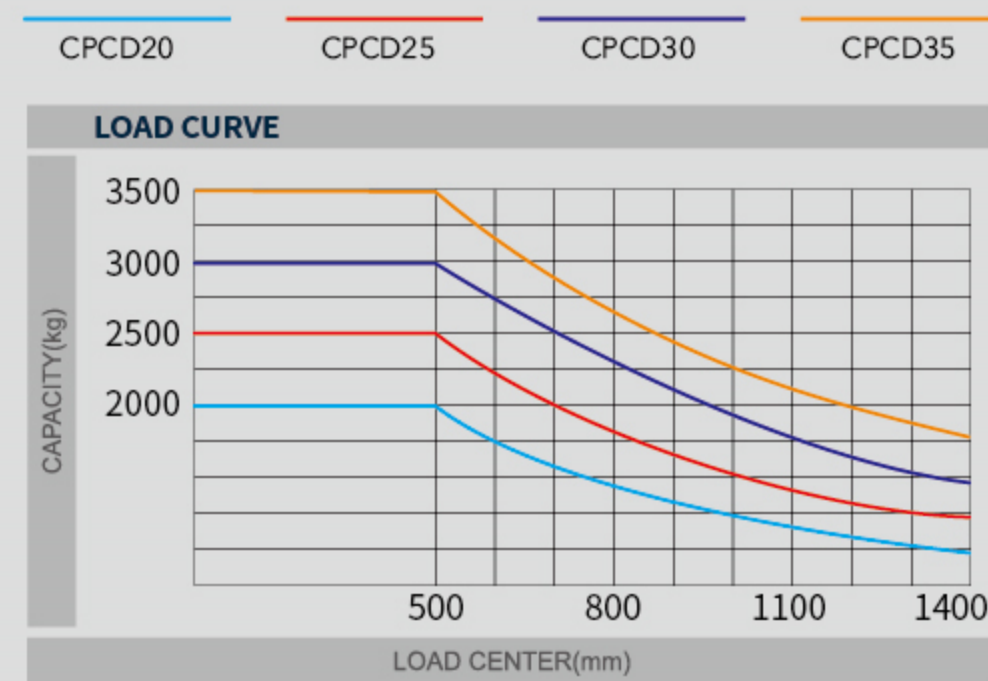
HELI

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NOTE:
Vertical axle stands for load capacity while horizontal axle stands for load center. Load center is the distance counted from the front of the fork. The base point of the standard load is the center point of the cubic with the same 1200mm dimension in length, width and height. The load capacity should be down, if mast tilts forward, using non-standard forks or loading goods with extra width. Please notice the different load capacity between different load centers according to load chart.



CPCD 20/25/30/35
M3G3/KU17G3
CP(Q)YD 20/25/30/35
KU1G3



Product range of Heli: 1-46 tons internal combustion forklift truck; 0.6-18 tons electric forklift truck; reach truck, pallet truck, stacker and other warehousing products; AGV and system solutions; reach stacker, container handler, tractor, explosion-proof forklift truck, rough terrain forklift truck, loader and other diversified products.



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

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2-3.5 t
G3 series Internal Combustion
Counterbalanced Forklift Truck

AESTHETICS / FUNCTIONAL

A Design Of Perfect Combination



A NEW GENERATION OF PRODUCTS

Intelligent / Safe / Efficient / Saving and Environment Friendly

CPCD/CP(Q)YD
20/25/30/35
M3G3/KU17G3
KU1G3

IMPROVED COMFORT

The image of the whole vehicle is fully upgraded, adopting Heli's brand-new family-based PI features, with both appearance and connotation. The Chinese "bronze tripod" shape shows the deep foundation of the enterprise. Heli contributes to the society with high-quality products which have innovational color matching, fashionable and unique characteristics. There is a high degree of brand recognition.



Small diameter steering wheel



Automobile type integrated handle



Capacious space for legs



Space for access and egress



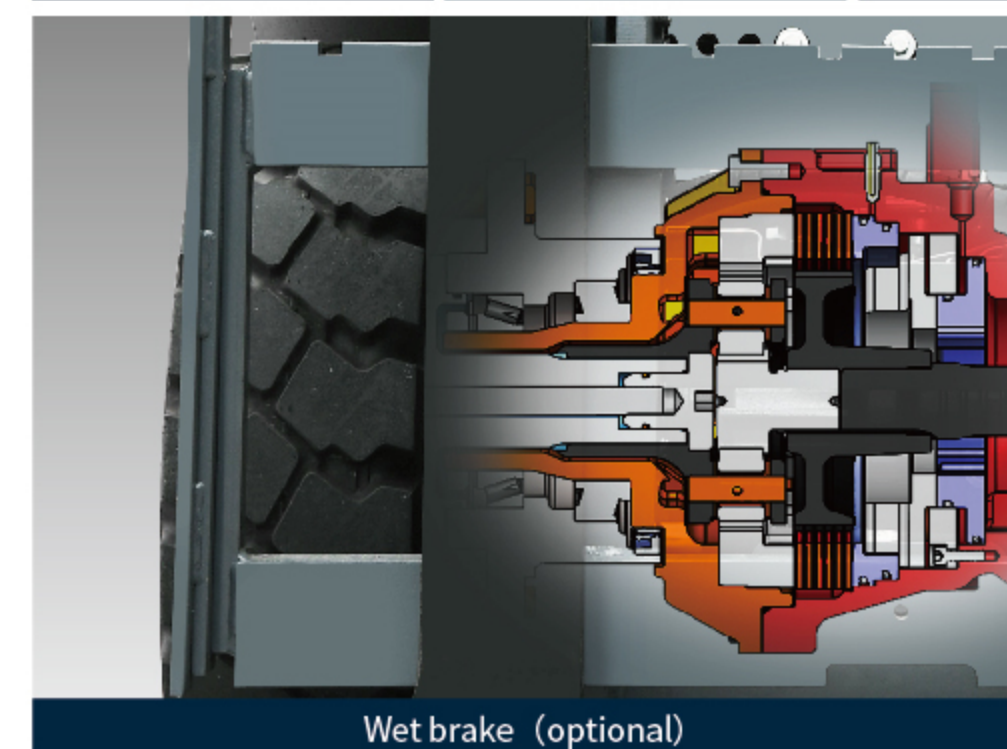
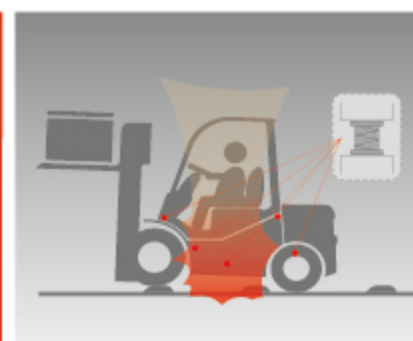
Electronic brake (optional)



Suspension seat



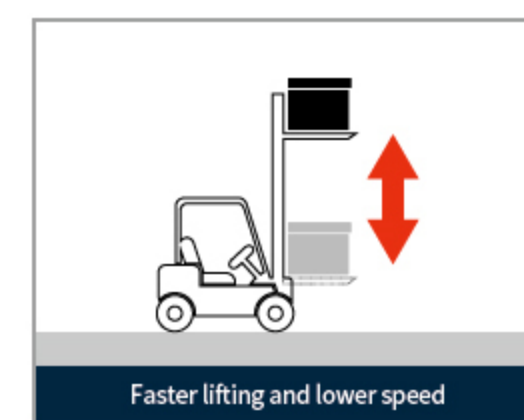
Fingertip switch (optional)



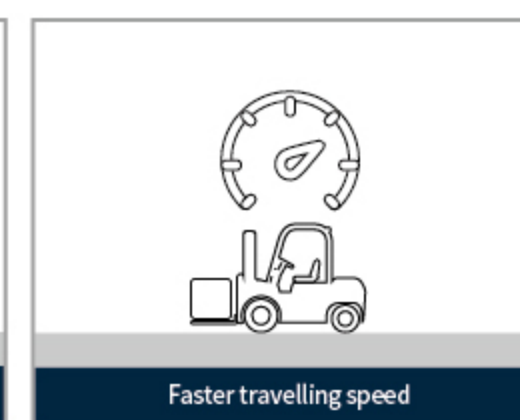
Wet brake (optional)



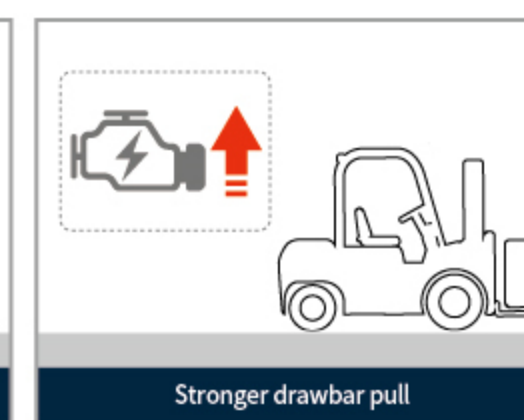
UPGRADED EFFICIENCY



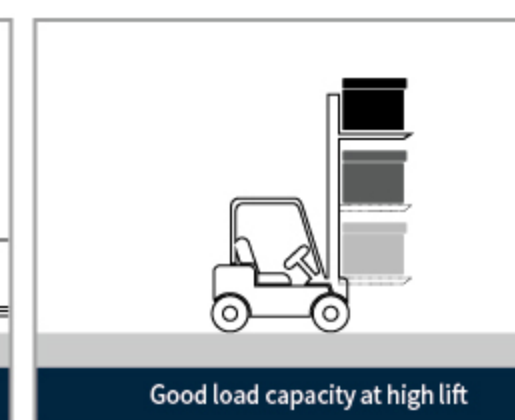
Faster lifting and lower speed



Faster travelling speed



Stronger drawbar pull



Good load capacity at high lift

SAFETY GUARANTEED

- Configuring the enhanced OPS control system . When the driver leaves the seat, travelling and the lifting and lowering functions of the mast are locked, effectively ensuring the driver's safety;
- The efficient and reliable parking brake system makes parking safer and more reliable;
- Customized speed control system meet the personalized needs; (optional)
- The truck is equipped with the function of preventing starting with gear and preventing the secondary ignition of engine, and the safety guarantee is upgraded;
- The intelligent instrument can comprehensively monitor the status of the whole truck. realize starting with card or password and maintenance information reminding, and more efficient or flexible truck management can be realized through matching with HELI professional fleet management system;
- The truck is equipped with integral cab which upgrades safety protection.



RELIABLE SPECIAL DESIGNED INSTRUMENT



- Colorful LCD display screen with high resolution; adjustable backlight brightness.
- CAN bus meter to read the fault code directly; (only electronic controlled engine).
- Front and rear protection degree: IP 66.
- Working temperature: -30°C~+75°C; temperature for storage: -40°C~+85°C.
- Multi-level programmable menu.
- More than 20 alarm indicators and 6 simulation indicators can monitor engine and trucks at the same time to protect operator and truck safety.
- Alarm according to different grade: there are two alarm grade: the indicator will flicker for the first grade alarm and the buzzer will sound up for the second grade alarm.
- Chinese and English are optional.
- Point check.
- Identity recognition(optional);Starting through card or password(optional).
- GPS (optional).

	Engine coolant temperature
	Fuel level
	Oil temperature of drive axle
	LPG pressure
	Low brake pressure
	Engine alarm

	Charging indication
	Block of air cleaner
	Hand brake
	Seat switch
	Neutral indicator
	Safety belt switch

	Left turning
	Right turning
	Alarm of low fuel
	Alarm of engine oil pressure
	Preheating indication
	Hourmeter

	Oil and water separator
	High temperature exhausting
	DPF parking regeneration request
	Forcible no generation of DPF
	Fault of fingertip control

HELI smart fleet management system (optional)

Vehicle positioning	Statistical form
Remote diagnosis	Vehicle management
Remote monitoring	Identification recognition (optional)
Maintenance reminder	Weight management (optional)
Battery management	Collision management (optional)



MANUFACTURER AND TECHNICAL DATA									
	Distinguishing marks								
1.1	Manufacturer (abbreviation)								
1.2	Manufacturer's type designation								
1.3	Drive								
1.4	Operator type								
1.5	Rated capacity/rated load								
1.6	Load centre distance								
1.7	Load distance, centre of drive axle to fork								
1.8	Wheelbase								
	Weight								
2.1	Service weight								
2.2	Axle loading, laden front/rear								
2.3	Axle loading, unladen front/rear								
	Tyres/chassis								
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane								
3.2	Tyre size, front								
3.3	Tyre size, rear								
3.4	Wheels, number front/rear (x = driven wheels)								
3.5	Tread, front								
3.6	Tread, rear								
	Dimensions								
4.1	Tilt of mast/fork carriage forward/backward								
4.2	Height, mast lowered								
4.3	Free lift								
4.4	Lift								
4.5	Height, mast extended								
4.6	Height of overhead guard (cabin)								
4.7	Seat height/stand height								
4.8	Coupling height								
4.9	Overall length								
4.10	Length to face of forks								
4.11	Overall width								
4.12	Fork dimensions ISO 2331								
4.13	Fork carriage ISO 2328, class/type A, B								
4.14	Fork-carriage width								
4.15	Ground clearance, laden, below mast								
4.16	Ground clearance, centre of wheelbase								
4.17	Aisle width for pallets 1000 × 1200 crossways								
4.18	Aisle width for pallets 800 × 1200 crossways								
4.19	Turning radius								
4.20	Internal turning radius								
	Type of drive unit								
5.1	Type of drive unit								
	Addition data								
6.1	Operating pressure for attachments								
6.2	Oil volume for attachments								

TECHNICAL DATA									
Performance data 1									
1.1	Manufacturer's type designation								
1.2	Travel speed, laden/unladen								
1.3	Lift speed, laden/unladen								
1.4	Lowering speed, lade/unladen								
1.5	Max. drawbar pull, laden/unladen								
1.6	Max. gradeability, laden/unladen ¹⁾								
1.7	Service brake								
	Combustion-engine								
2.1	Fuel type								
2.2	Engine manufacturer/type								
2.3	Engine power according to DIN ISO 1585								
2.4	Rated speed								
2.5	Number of cylinders/displacement								
2.6	Truck model								

Performance data 2					
1.1	Manufacturer's type designation				
1.2	Travel speed, laden/unladen				
1.3	Lift speed, laden/unladen				
1.4	Lowering speed, lade/unladen				
1.5	Max. drawbar pull, laden/unladen				
1.6	Max. gradeability, laden/unladen ¹⁾				
1.7	Service brake				
	Combustion-engine				
2.1	Fuel type				
2.2	Engine manufacturer/type				
2.3	Engine power according to DIN ISO 1585				
2.4	Rated speed				
2.5	Number of cylinders/displacement				
2.6	Truck model				

Note: ¹⁾ Calculating data.

WIDE VIEW MAST													
Mast model	Max.lifting height (mm)	Load capacity (lode center 500mm)(kg)				Mast height(mm)			Mast tilt angle Front/Rear (°)	Service weight (kg)			
		2t	2.5t	3t	3.5t	2-2.5t	3t	3.5t		2t	2.5t	3t	3.5t
M300	3000	2000 2000* 2000**	2500 2500* 2500**	3000 3000* 3000**	3500 3500* 3500**	2000	2070	2120	6-10	3470	3820	4480	4880
M330	3300	2000 2000* 2000**	2500 2500* 2500**	3000 3000* 3000**	3500 3500* 3500**	2150	2220	2270	6-10	3500	3850	4540	4940
M350	3500	2000 2000* 2000**	2500 2500* 2500**	3000 3000* 3000**	3500 3500* 3500**	2250	2320	2370	6-10	3520	3870	4560	4950
M370	3700	2000 2000* 2000**	2500 2500* 2500**	3000 3000* 3000**	3500 3500* 3500**	2350	2420	2470	6-6 *6-10	3540	3990	4580	4970
M400	4000	2000 2000* 2000**	2500 2500* 2500**	3000 3000* 3000**	3500 3500* 3500**	2550	2620	2670	6-6 *6-10	3620	3970	4650	5040
M450	4500	2000 2000* 1950**	2500 2500* 2300**	3000 3000* 3000**	3500 3500* 3500**	2800	2870	2920	6-6 *6-10	3670	4020	4690	5090
M500	5000	2000 1950* 1800**	2500 2450* 2400**	3000 3000* 2700**	3500 3400* 3300**	3050	3120	3170	6-6 *6-6	3720	4070	4740	5130
M550	5500	1850*	2250*	2750*	3050*	3350	3420	3470	*6-6	3820	4170	4830	5220
M600	6000	1650*	1850*	2250*	2450*	3600	3670	3720	*6-6	3860	4210	4870	5260

Note: ①* stands for rated capacity for trucks with dual front tyre, ** stands for rated capacity for trucks with single solid tyre;
② For 2- 3.5t trucks with dual front tyre, the service weight is the data in the table plus 110kg.

WIDE VIEW FULL FREE 2-STAGE MAST																
Mast model	Max.lifting height (mm)	Load capacity (lode center 500mm)(kg)				Mast height(mm)			Free lift (with backrest) (mm)			Mast tilt angle Front/Rear (°)	Service weight (kg)			
		2t	2.5t	3t	3.5t	2-2.5t	3t	3.5t	2-2.5t	3t	3.5t		2t	2.5t	3t	3.5t
ZM300	3000	2000 2000* 2000**	2500 2500* 2500**	3000 3000* 3000**	3500 3500* 3500**	2000	2070	2120	996	888	943	6-10	3490	3840	4530	4850
ZM330	3300	2000 2000* 2000**	2500 2500* 2500**	3000 3000* 3000**	3500 3500* 3500**	2150	2220	2270	1146	1038	1093	6-10	3520	3870	4560	4880
ZM350	3500	2000 2000* 2000**	2500 2500* 2500**	3000 3000* 3000**	3500 3500* 3500**	2250	2320	2370	1246	1138	1193	6-10	3530	3880	4580	4900
ZM370	3700	2000 2000* 2000**	2500 2500* 2500**	3000 3000* 3000**	3500 3500* 3500**	2350	2420	2470	1346	1238	1293	6/6 *6/10	3550	3900	4600	4920
ZM400	4000	2000 2000* 2000**	2500 2500* 2500**	3000 3000* 3000**	3500 3500* 3500**	2550	2620	2670	1546	1438	1493	6/6 *6/10	3630	3980	4680	5000

Note: ①* stands for rated capacity for trucks with dual front tyre, ** stands for rated capacity for trucks with single solid tyre;
② For 2- 3.5t trucks with dual front tyre, the service weight is the data in the table plus 110kg.

WIDE VIEW FULL FREE 3-STAGE MAST																
Mast model	Max.lifting height (mm)	Load capacity (lode center 500mm)(kg)				Mast height(mm)			Free lift (with backrest) (mm)			Mast tilt angle Front/Rear (°)	Service weight (kg)			
		2t	2.5t	3t	3.5t	2-2.5t	3t	3.5t	2-2.5t	3t	3.5t		2t	2.5t	3t	3.5t
ZSM435	4350	2000* 2000**	2500* 2500**	3000* 3000**	3500* 3500**	2050	2120	2120	1046	938	943	6-6	3690	4040	4700	5040
ZSM450	4500	2000* 2000**	2500* 2500**	3000* 3000**	3500* 3500**	2100	2170	2170	1096	988	993	6-6	3700	4050	4720	5050
ZSM470	4700	1900* 1950**	2200* 2450**	3000* 3000**	3400* 3400**	2165	2230	2230	1161	1048	1053	6-6	3720	4070	4740	5070
ZSM500	5000	1750* 2000**	1800* 2400**	2700* 2950**	3300* 3300**	2300	2370	2370	1296	1188	1193	6-6	3760	4110	4770	5110
ZSM540	5400	1450* 1900**	1500* 2300**	2300* 2800**	2650* 3150**	2400	2470	2470	1396	1288	1293	6-6	3790	4140	4800	5140
ZSM600	6000	1500* 1650**	1800* 1000**	2550* 2150**	2900* 1900**	2600	2670	2670	1596	1488	1493	6-6	3900	4250	4910	5240
ZSM650	6500	1600*	1700*	1950*	2000*	2800	2870	2870	1796	1688	1693	3-3	3950	4300	4960	5300
ZSM700	7000	1300*	1300*	1700*	1800*	2975	3045	3045	1971	1863	1868	3-3	4000	4350	5010	5350

Note: ①* stands for rated capacity for trucks with dual front tyre, ** stands for rated capacity for trucks with single solid tyre;
② For 2- 3.5t trucks with dual front tyre, the service weight is the data in the table plus 110kg.

STANDARD	OPTIONAL		
Reversing handle (with horn)	Cab	Purification extinguisher	Rear view camera
Protection for tilting cylinder	Air conditioner	Fire muffler	Warning light
Protection for steering cylinder	Heater	Fire extinguisher	Finger tip operation system
Main switch	Front windshield	Rear working light	Overspeed warning
High exhaust	Rear windshield	Optional attachment	Speed limit function
Warning light	Fire extinguisher	Lifting slings	Starting through password or card
Flickering warning light	Fan	Protection net of overhead guard	Internet of vehicle
Ops controller	Dual air cleaner	Rough filter with ash self discharge	Smart safety system
	Fork extension	Reversing voice speaker	HELI smart fleet management system
	Solid tyre	Universal key	
	Widen fork carrier	Synchronized steering	