

Reliability in Action



Customer service is first priority

SDLG focuses on delivering outstanding customer service throughout a machine's life cycle. Its integrated service management system monitors and analyzes the machine's functions to ensure that it is working at optimum capacity, while service alerts notify customers about forthcoming maintenance checks. SDLG's attention to detail is one of the ways it continues to be the industry's No. 1 in terms of customer service satisfaction.

Value-added service

SDLG's aftercare promise guarantees high quality service and offers experts who are on-hand to answer any questions or to solve problems. SDLG's service team uses advanced technology to support its maintenance checks in the field. Moreover, it aims to work with customers to define an efficient business solution.

Global service network

SDLG's worldwide service and spare parts network provides fast, efficient and professional round-the-clock service, anytime, anywhere. SDLG exceeds customers' expectations.



Congratulations to SDLG on winning
the EFQM Global Excellence Award
One of the world's top three quality awards



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LFT30

Flat Fork Loader



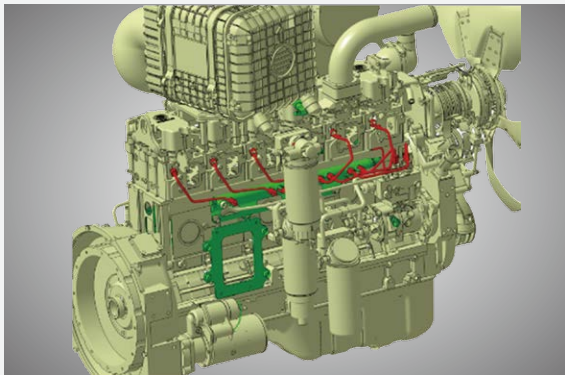
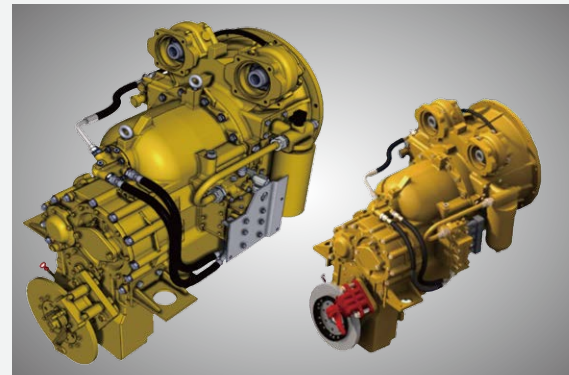
Reliable and stable



LFT30 fork loader is the special machine specially designed for large-tonnage stone (e.g. marble) quarrying conditions, its 1.5m lifting capacity reaches 30t, and it has large overall breakout force, high working efficiency, good stability and comfortable operation; it is widely used in the marble loading, transferring, stacking and various conditions in the mine, stock ground and other sites.

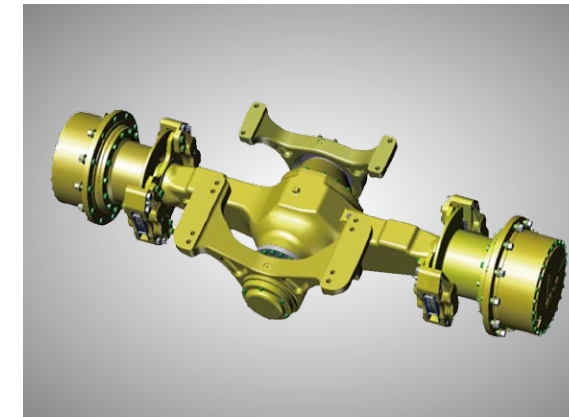
Engine and transmission

- ◆ Engine: equipped with low-speed, large torque electronically controlled three-stage emission engine, having supercharging and inter-cooling functions, with strong power and high reliability;
- ◆ Transmission: equipped with VRT200 fixed shaft electric liquid shift transmission, four in front and four at rear, with high transmission efficiency, stable operation, smooth shifting and high reliability.



Drive axle and tire

- ◆ Drive axle: the rear axle adopts swing-type drive axle with maintenance-free design, featuring high strength, good reliability and convenient maintenance, which is more applicable to heavy load operation.
- ◆ Tire: the front and rear axle tire respectively have 28 and 24 ply ratings, and enhanced rim is adopted to improve overall strength and prevent heavy load deformation, so as to make the tires have better bearing capacity and longer service life.



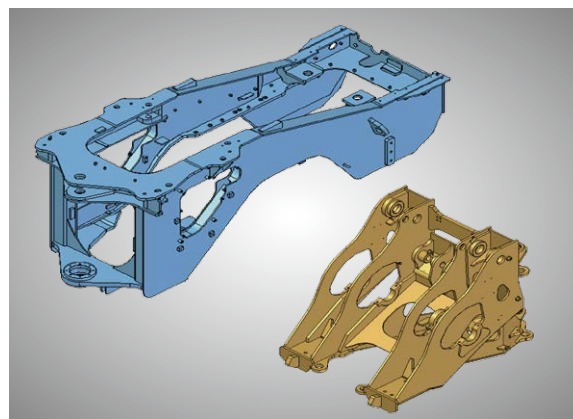
Counterweight and working device

- ◆ Counterweight: the complete machine adopts long-wheelbase design (4050mm) and integrated counterweight (10 t), so as to provide good operating stability.
- ◆ Working device: adopting forward six-bar mechanism and vertical boom cylinder using SDLG invention patent technology, it is specially designed for fork loader condition, with large ground breakout force, good lifting translational motion, large lifting force and large discharging angle; it has large bearing force and balanced stress due to finite element analysis & optimization.



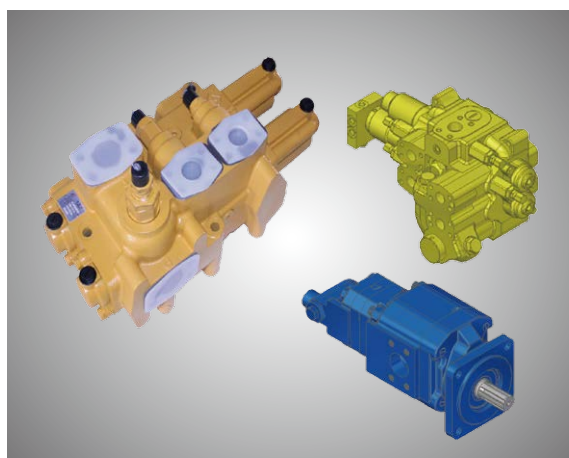
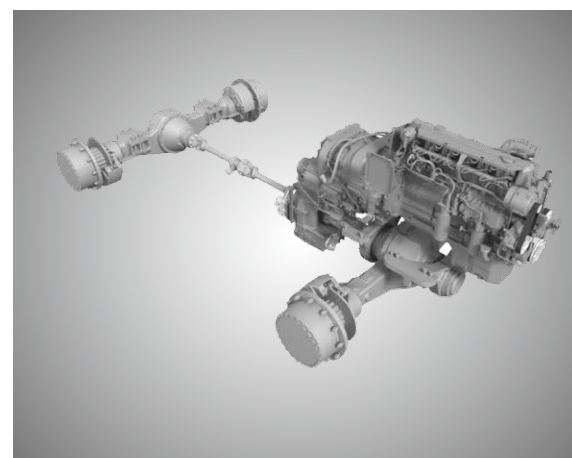
Frame and bottom fork

- ◆ Front and rear frames of double-plate structure: high strength and long service life; the tapered roller bearing (lower) and joint bearing (upper) composite structure is used in hinged part, making it applicable severe conditions better.
- ◆ High-strength flat fork: alloy steel forged fork teeth, applicable to highly-intensive fork loading conditions via CAE analysis and optimization.



Energy conservation and high efficiency

- ◆ Optimize the hydraulic system design of working device, and those hydraulic components such as pumps and valves are international famous brand, providing high sealing performance of the hydraulic system, reasonable power matching, more powerful and energy-saving fork loading and lifting.
- ◆ Optimized design of power system: Weichai engine can match with torque converter of large capacity perfectly, featuring large torque, strong power, low oil consumption, high operating efficiency and other features.



Comfortable and convenient

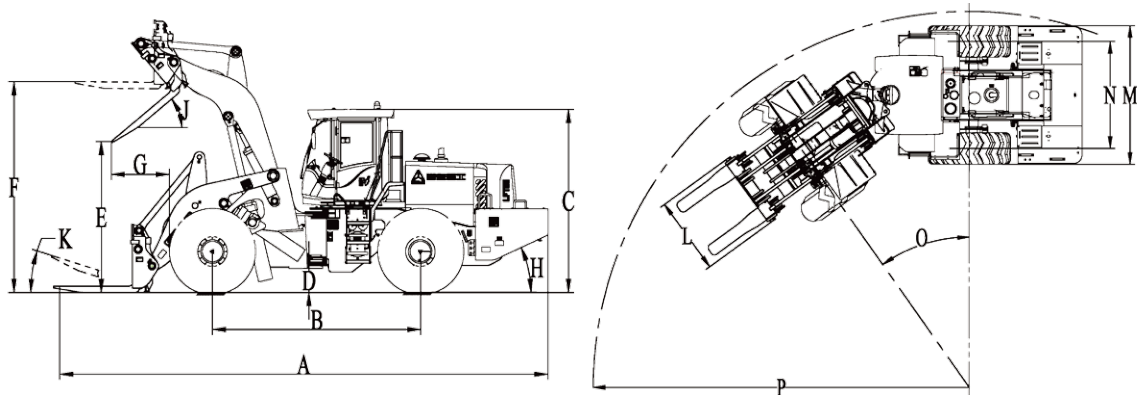


- ◆ Lead-out design of various lubricating points, with new fastening method adopted for easy maintenance of the complete machine.
- ◆ Ari conditioner: it is equipped with air conditioning system of larger refrigerating capacity, featuring larger air supply volume, making the riding environment more comfortable. Air filter is set to purify the air, and it can be cleaned and replaced conveniently.
- ◆ Cab: new cable designed according to ergonomics, providing wide vision, luxury interior decoration and reasonable layout, safe and comfortable riding.
- ◆ Engine hood: streamline design and elegant appearance. Large overturning side door and rear window lattice make daily maintenance convenient.



LFT30

Main specifications



Ltem	Specifications
Overall dimension	
LxWxH(AxLxC)	9460×3115×3480 mm
Wheelbase(B)	4050mm
Min.ground clearance(D)	390 mm
Max.dumping height(E)	3150mm
Dumping distance(G)	1735mm
Max.gradeability(H)	16°
Wheel tread (N)	2350 mm
Steering angle(O)	35°
Horizontal crossing radius(P)(Outside balance weight)	8100 mm
Min.turning radius(Q) (Outside balance weight)	7645 mm
Overall parameters	
Total mass	32000kg
Lifting capacity (height: 1.5m)	30000kg
Max.tractive force	≥235kN
Engine	
Model	WP10G240E342
Type	Inline, water-cooled, dry cylinder liner, direct injection
Rated power	178kW
Rated speed	2100 (r/min)
Engine displacement	9726ml
Emission standard	GB20891-2014 (China Phase III)
Cylinder bore/stroke	126/130 mm
Max.torque	1100 N.m
Min.fuel-consume ratio	≤210 g/kW.h

Ltem	Specifications
Transmission system	
Torque converter	Single-stage three-element hydraulic torque converter
Transmission type	Axis-fixed electro-hydraulic transmission
Gears	Forward 4 reverse 4
Speed at forward/ reverse gear I	0 ~ 5.8km/h
Speed at forward/ reverse gear II	0 ~ 10.7km/h
Speed at forward/ reverse gear III	0 ~ 21.3km/h
Speed at forward/ reverse gear IV	0 ~ 29.3km/h
Hydraulic system of working device	
Type	Hydraulic pilot control
Working pressure	22MPa
Total time	≤19.5s
Brake system	
Service brake type	Gas-cap oil-clamp disk
Parking brake type	Electric pneumatic caliper disc type
Steering System	
Type	Load sensing full hydraulic articulated steering
Fill capacity	
Fuel	350 L
Hydraulic oil	210 L
Engine	20 L
Transmission	19.5L+4.7L
Drive axle	46L+46L
Braking system	4 L

SDLG Flat Fork Loader

LFT16

Technical Parameters

Ltem	Specifications	Ltem	Specifications	Ltem	Specifications
LxWxH	9020×2845×3410mm	Max. dumping height (-20°Dumping angle)	2860mm	Total time	≤10.2S
Operating weight	21300kg	Dumping distance (-20°Dumping angle)	2135mm	Service brake type	Gas-cap oil-clamp disk
Length of bottom fork	1500mm	Breakout force	≥200KN	Parking brake type	Electric pneumatic internal expansion shoe type
Lifting capacity (height: 1.5m)	16000kg	Engine model	WP10G220E343		
Max.tractive force (Engine provides)	≥185KN	Rated power	162kW		

LFT18

Technical Parameters

Ltem	Specifications	Ltem	Specifications	Ltem	Specifications
LxWxH	9020×2845×3410mm	Max. dumping height (-20°Dumping angle)	3000mm	Total time	≤13.7S
Operating weight	23400kg	Dumping distance (-20°Dumping angle)	1800mm	Service brake type	Gas-cap oil-clamp disk
Length of bottom fork	1500mm	Breakout force	≥250KN	Parking brake type	Electric pneumatic internal expansion shoe type
Lifting capacity (height: 1.5m)	18000kg	Engine model	WP10G220E343		
Max.tractive force (Engine provides)	≥185KN	Rated power	162kW		

LFT22

Technical Parameters

Ltem	Specifications	Ltem	Specifications	Ltem	Specifications
LxWxH	9020×3025×3410mm	Max. dumping height (-20°Dumping angle)	3160mm	Total time	≤18.2S
Operating weight	26600kg	Dumping distance (-20°Dumping angle)	1760mm	Service brake type	Gas-cap oil-clamp disk
Length of bottom fork	1500mm	Breakout force	≥250KN	Parking brake type	Electric pneumatic internal expansion shoe type
Lifting capacity (height: 1.5m)	22000kg	Engine model	WP10G220E343		
Max.tractive force (Engine provides)	≥175KN	Rated power	162kW		

LFT26

Technical Parameters

Ltem	Specifications	Ltem	Specifications	Ltem	Specifications
LxWxH	9400×3025×3465mm	Max. dumping height (-20°Dumping angle)	3230mm	Total time	≤17.9S
Operating weight	29600kg	Dumping distance (-20°Dumping angle)	1655mm	Service brake type	Gas-cap oil-clamp disk
Length of bottom fork	1500mm	Breakout force	≥330KN	Parking brake type	Electric pneumatic caliper disc type
Lifting capacity (height: 1.5m)	26000kg	Engine model	WP10G240E342		
Max.tractive force (Engine provides)	≥205KN	Rated power	178kW		

* The right of final interpretation of the abovementioned parameters shall be reserved by SDLG. No further notice will be given in case of any change. Illustrations in the text may not always be the standard illustrations for this model.

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