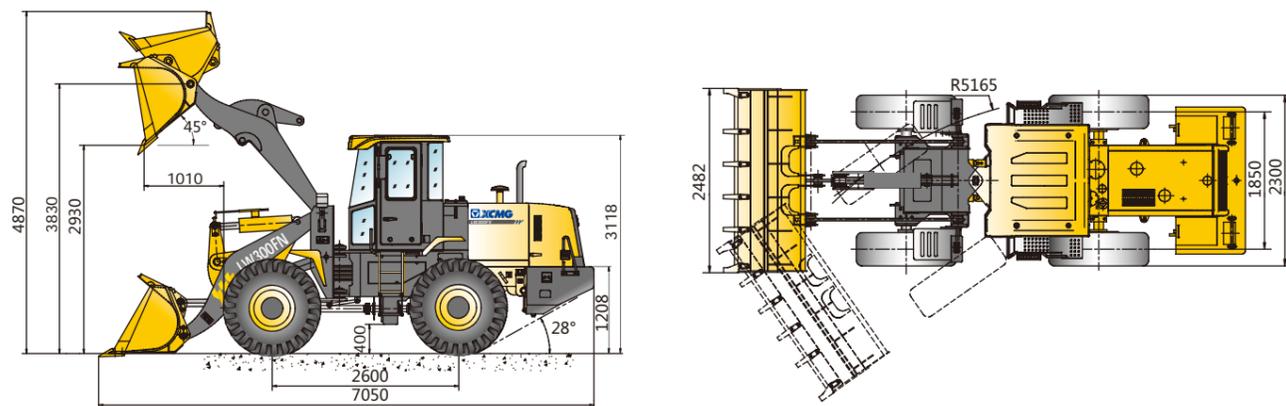


# 外形尺寸

Outline Dimensions



# 主要参数

MAIN SPECIFICATIONS

项目	Description	参数 Specification	单位 Unit	
额定载荷	Rated operating load	3000	kg	
斗容量	Bucket capacity	1.5~2.5	m <sup>3</sup>	
整机工作质量	Machine weight	10600±200	kg	
卸载高度(地面至主刀板)	Dump clearance at maximum lift	2770~3260	mm	
卸载距离(前轮至主刀板)	Reach at maximum lift	1010~1210	mm	
轴距	Wheel base	2600	mm	
轮距	Tread	1850	mm	
最大提升时的铰轴高度	Height of hinge at maximum lift height	3830	mm	
工作高度	Working height(fully lifted)	4870	mm	
最大掘起力	Max.breakout force	130	kN	
最大牵引力	Max.horse power	95	kN	
动臂提升时间	Hydraulic cycle time-raise	5.5	s	
三项和时间	Total hydraulic cycle time	10	s	
最小转弯半径(轮胎中心)	Min. turning radius over tyres	5165	mm	
铰接角度	Articulation angle	35±1	°	
爬坡能力	Gradeability	28	°	
轮胎规格	Tyre size	17.5-25-12PR		
整机外形尺寸(长×宽×高)	Overall machine dimension L×W×H	7050×2482×3118	mm	
发动机型号	Model	WP6G125E22		
排放标准	Emission standards	国二		
额定功率/转速	Rated Power/Speed	92/2200	kW/rpm	
燃油箱容量	Fuel Tank	170	L	
液压油箱容量	Hydraulic Tank	170	L	
行驶速度	一档(前进/后退)	I-gear(F/R)	8/10	km/h
	二档(前进/后退)	II-gear(F/R)	13/30	km/h
	三档(前进)	III-gear(F)	24/-	km/h
	四档(前进)	IV-gear(F)	40/-	km/h

随技术进步,产品结构、参数将不断改进,恕不另行通知。样本信息与实物略有不符的,以实物为准。  
Structure and specification are subject to change without notice. In case there is any difference between the description of the machine and the substantial machine, the substantial machine should govern.



徐工徐工 助您成功  
XCMG FOR YOUR SUCCESS

# LW300FN

轮式装载机 WHEEL LOADER



项目	Description	LW300FN
额定斗容	Rated bucket capacity	1.8m <sup>3</sup>
额定载重	Rated loading capacity	3000kg
额定功率	Rated power	92kW
整机重量	Gross weight	10600kg
卸载高度	Dumping height	2930mm
最大掘起力	Maximum breakout force	130kN



## 高效·可靠 传承经典 成熟稳定

High efficiency and reliability Inheritance of classic and high maturity and stability

### 机型特点 Model Characteristics

- 高效、节能，动力强劲。
  - 三元件变矩器，定轴式动力换挡变速箱，成熟、可靠。
  - 2600mm轴距，机敏灵活，适合各种场地。
  - 高强材料铲斗，耐磨、耐冲击。
  - 配置多样，机具齐全，适应不同区域、不同工况施工要求。
  - 选装空调，隔音降噪，精心构建舒适操作环境。
- It features high efficiency, energy-saving, and strong power.
  - The three-element torque converter and the fixed shaft power shift transmission feature high maturity and reliability.
  - The 2600mm wheelbase features high mobility and flexibility and is applicable to all kinds of working sites.
  - The bucket is made of high strength material to realize high wear and impact resistance.
  - The diversified configurations and complete attachments adapt to the construction needs in different regions and under different working conditions.
  - The optional A/C and the sound insulation and noise reduction measure build elaborately a comfortable operating environment.

### 性能特长 Performance Highlights

- 牵引力 $\geq 9$ 吨，掘起力 $\geq 13$ 吨，能力突出。
  - 转弯半径5165mm（轮胎中心），适应性强。
- Outstanding capability, with traction at  $\geq 9t$  and breakout force at  $\geq 13t$ .
  - High adaptability, with turning radius at 5,165mm (tire center).

### 市场地位 Market position

- 行业3吨级单一机型销量冠军。
- Industry 3t single-model sales champion.

前后车架、动臂、摇臂三包期为2年或者5000小时（先到为准），远超装载机三包期行业水平，彰显徐工装载机巅峰品质。

The warranty period for the front and rear frames, boom, and arm is 2 years or 5,000 hours (whichever comes first), which is far beyond the loader industry warranty level to manifest the top quality of XCMG loaders.

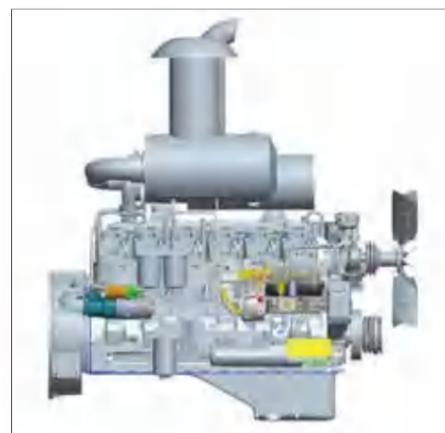


## 品质卓越的动力和传动系统

Excellent quality power and drive systems

### 澎湃动力 Strong power

- 国 II 排放，高性能、低油耗。
- 马力强劲，扭矩储备系数大，满足瞬间超负荷要求，充分提供重载、大负荷作业所需动力。
- China-II emission compliance, high performance, and low fuel consumption
- With strong power and high torque reserve factor, this engine meets the instant overload demand during operations and sufficiently provides the power required for heavy-load operations.



### 经典可靠 变速箱、变矩器总成

Classic and reliable  
Transmission and torque converter assembly

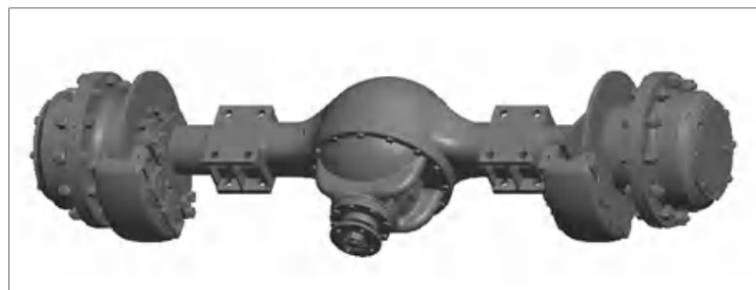
- 定轴式动力换挡变速箱，成熟、可靠。
- 三元件变矩器，确保发动机动力被最大程度利用。
- 传动轴法兰采用国际标准，增大固定螺栓分布圆直径，超强抗扭，适应高强度、连续性、重负荷工作。
- The countershaft power shift transmission features high maturity and reliability.
- The three-element torque converter ensures the maximum utilization of engine power.
- The drive shaft flanges are of international standard specification and the distribution diameter of the fastening bolts is enlarged to realize super-strong torsion resistance and adapt to high strength and heavy-load continuous operations.



### 性能卓越的加强型驱动桥

Enhanced heavy-duty drive axle of outstanding performances

- 各承载部位饱满、厚实，具有良好的抗过载能力，满足各种高强度、高负荷作业需要。
- All load carrying portions are solid and firm enough to ensure excellent overload resistance and meet the needs of various high strength and high load operations.



## 坚实可靠的车架结构及铲斗

Firm and reliable super-strong heavy-duty structural parts.

### 结构超强 Super-strong structure

- 结构部件全面采用有限元分析技术，减少应力集中，消除局部薄弱，全面适用各种工况。
- The finite element analysis technology is applied for structural parts to reduce the stress concentration, eliminate the partial weaknesses, and thoroughly adapt to diversified working conditions.

### 斗型优化 Optimized bucket shape

- 加长斗底，斗型锐利，易切入，收料多。
- 缩小张角，减少断面，易推进，易提升。
- The lengthened bucket bottom and the sharp bucket shape ease the penetration and realize higher bucket loading capacity.
- The contracted flare angle and the reduced cross section ease penetration and lifting.

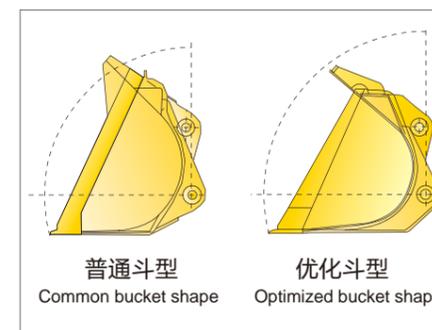
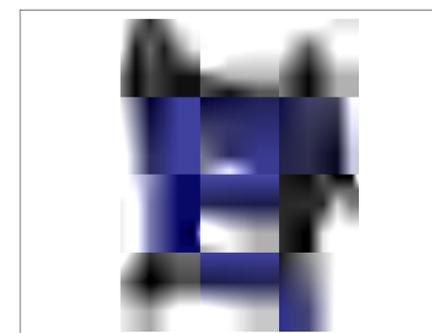
### 选择多样 Diversified attachments

- 标准斗，各种工况通用；
- 岩石斗，专门挑战岩石等坚硬物料，耐磨损、抗撞击；
- 煤炭斗，专门针对煤炭等松散物料，斗容大，效率高。

- Standard bucket suitable for diversified working conditions.

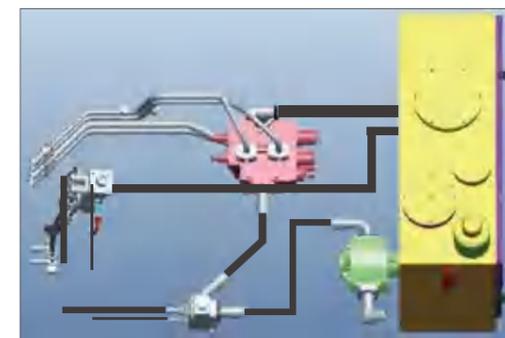
- Rock bucket: It's dedicated for handing of hard materials (such as rock), featuring good resistance against wear and impact.

- Coal bucket: It's dedicated for handing of bulk materials (such as coal), featuring high bucket capacity and high efficiency.



### 国际品质液压、电器元件

International quality hydraulic and electric units



- 一流的液压元件，压力损失小，系统发热少，部件可靠性高。
- 采用国际品质液压胶管，耐热、抗压，寿命长。
- 液压管路采用国际DIN标准24°锥加O型圈两道密封，密封性更好，有效解决渗漏难题。
- 线束采用进口品质材料，优化工艺布局，确保电路系统可靠。

- The first-class hydraulic units ensure low pressure loss, less system heating, and high reliability.

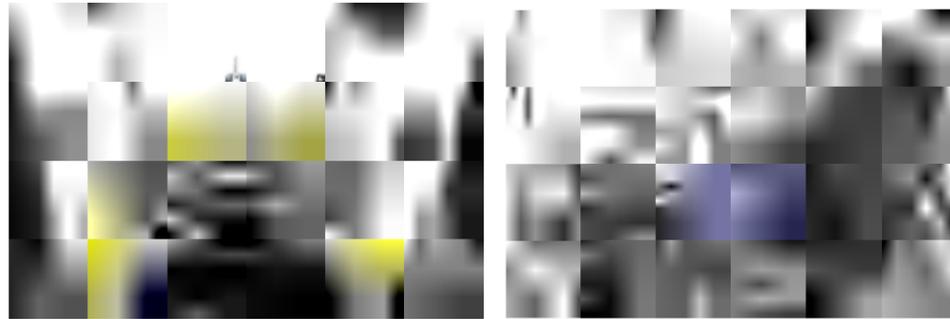
- The international quality hydraulic hoses applied feature high heat and pressure resistance and long life.

- The hydraulic pipelines adopt double sealing means (DIN standard 24° taper thread + O-ring) to achieve better sealing performance and effectively solve the leakage problem.

- The harnesses are made of imported quality material and the process layout is optimized to ensure reliable electric circuit system.

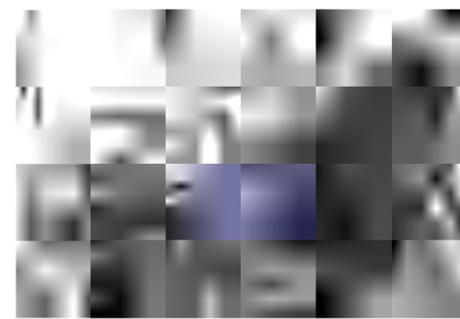
## 宽敞舒适的驾驶空间

### Spacious Cabin



等同汽车水平豪华驾驶室，空间大，视野宽，无视觉死角，驾乘安全、舒适。

The luxury cab equivalent to car level features large space, broad visual field, no blind spot, and high driving safety and comfort.



触手可及的操作元件及按钮，轻松实现各种作业动作；全覆盖精美内饰、橡胶地板，营造最佳操作环境。

The easily accessible operating units and buttons can easily realize all kinds of operation actions. The full-coverage exquisite interior trims, rubber floor, and three-layer composite noise reduction materials build a best operation environment.

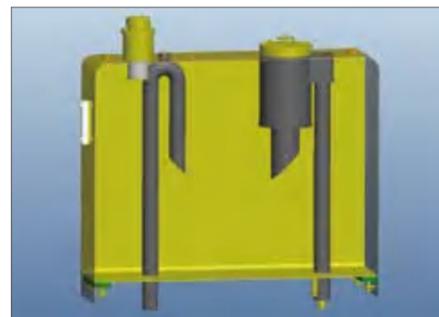
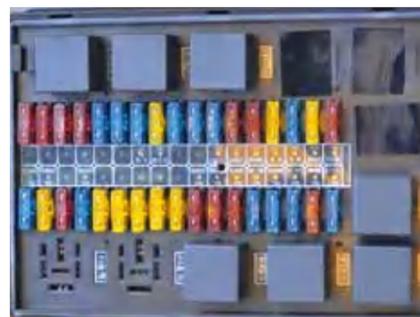


全视野后玻璃，高置式后车灯，配倒车报警，视线良好，倒车安全。

The panorama rear window, high-mounted rear lamps, and reversing alarm equipped ensure good visual field and reversing safety.

## 维修保养 轻松便捷 Convenient Maintenances

- 骨架结构发动机罩，上翻式大侧门，开启角度大，发动机及散热器检修、保养更轻松。
- 集中式保险丝盒，电器系统运行状况集中显现，维护方便。
- 液压油箱回油路的独立腔设计，保证维修保养的方便性。
- The framework structure engine hood and the uplift large side doors boast large opening angle and make the checking, repair, and maintenance easier for the engine and radiator.
- The central fuse case centrally indicates the working status of electric system and eases the maintenances.
- The independent chamber design for oil return line of hydraulic oil tank guarantees the convenient maintenances.



## 多种工作装置适应不同作业要求

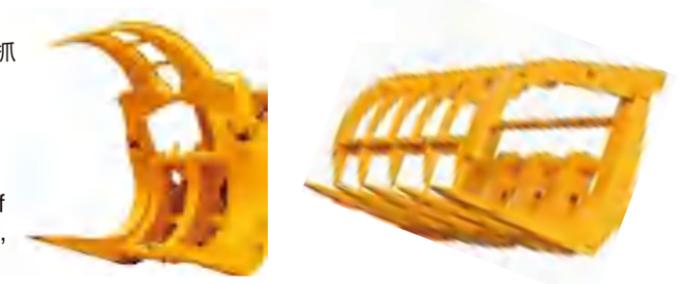
### Variety attached tools meeting requirements of different working conditions

夹钳：用于各类木材、管件的抓取、转运。

抓草机具：用于农场、生物电厂、造纸厂等对各类轻质物料抓取、转运。

Clamp: For grab and transport of various woods and tubing.

Bale grabber: It's used for the grabbing and handling of various light materials in farms, biological power plants, and paper mills.



## 可选机具参数 Specification of variant attachments

项目 Item	夹木钳 (对齿) Log clamp I	夹木钳 (错齿) Log clamp IV (offset tooth)	蛤蟆嘴夹钳 Toad's mouth clamp	对、错互换式 Interchangeable paired/ staggered clamp	抓草机 Grasping grass machine	滑叉 Pallet fork	雪犁 (双油缸) Snowplow	单位 Unit
卸载高度(主刀板)(正卸) Dump clearance at maximum lift(front dump)	2980	2819	2784	2910	3025	3000		mm
卸载距离(主刀板)(正卸) Reach at maximum lift(front dump)	1410	1222	1134	1630	2028	1610		mm
卸载高度/卸载距离(侧卸) Dump clearance/reach at maximum lift ( side dump)								mm
平举高度 overall hight at maximum lift						3500		mm
最大卸载角° Max. dumping angle(work tool)	35	45	45	30	20	25		°
最大开口尺寸 Max.opening	1616	1644	1576	1410	2800			mm
最小抱圆直径 Max. clamping diameter	830	590	580	50	1045			mm
最大除雪宽度 Max.working width(snowplow)							3018	mm
水平回转角 Slewing angle (horizontal)							±30	°
除雪摆动角 Swing angle (snowplow)								°
收叉角度 Rack back angle at ground						23		°
机具长度 Length(work tool)	1460	1460	1420	1780	1950	1730	1365	mm
机具宽度 Width(work tool)	1875	1820	1650	2026	2198	2015	3018	mm
机具高度 Height(work tool)	1520	1500	1750	1330	1740	890	1120	mm
叉齿长度 Tine length(pallet fork)						1050		mm
整机外形尺寸 长度 Overall machine dimensions-length	7132	7124	7086	7342	7616	7050	7017	mm
整机外形尺寸 宽度 Overall machine dimensions-width	2295	2295	2295	2295	2295	2295	3018	mm
整机外形尺寸 高度 Overall machine dimensions-height	3118	3118	3118	3118	3118	3118	3118	mm