

标准配置 Standard configuration

动力系统 DYNAMICAL SYSTEM

珀金斯2806c(Perkins 2806c)	●
燃油加注泵 (Fuel filler pump)	●
电子单元喷射泵 (Electronic unit injection pump)	●
涡轮增压器 (Turbocharger)	●
中间冷却器 (Inter-cooler)	●
油浴空气过滤器 (Oil bath air filter)	●
三级燃油滤清器 (Three-stage fuel filters)	●
燃料-水分离器 (Fuel-water separator)	●
预热器 (Pre-heater)	●

智能控制 INTELLIGENT CONTROL

正流量电控系统 (Positive flow electronic control system)	●
自动怠速系统 (Automatic idling system)	●
发动机安全启动防止重启 (Engine safe start with restart prevention)	●
油水分离器液位指示图 (Oil-water separator level indicator)	●
中央保险丝盒 (Central fuse box)	●
大容量卤素工作灯 (High-capacity halogen work lights) (根据框架安装和臂架安装) (Frame-mounted 2 & Boom-mounted 1 LH)	●
十种工作模式 (10 work modes)	●
0~4路视频 (0~4 channel video)	●
双路CAN通信 (Dual-channel CAN communication)	●
报警灯 (Alarm lights)	●
标配GPS (GPS is standard)	●

液压系统 HYDRAULICS

独立开式回转系统 (Independent open slewing system)	●
正流量液压系统 (Positive flow hydraulic system)	●
OOM/ARM/摆动优先级 (Boom/arm/swing priority)	●
动臂/臂再生 (Boom/arm regeneration)	●
动臂/臂夹持 (Boom/arm holding)	●
自动双速行走马达 (Automatic two-speed travel motors)	●
气缸/摆动缓冲 (Cylinder/swing cushioning)	●
防尘密封 (Dust sealing)	●
液压油 (ISO VG46) (Hydraulic oil (ISO VG46))	●
多级过滤 (Multi-stage filtration)	●
防爆阀 (Explosion-proof valves)	●

工作装置 WORKING DEVICE

法兰销 (Flange pins)	●
卷盘式润滑系统 (Reel lubrication system)	●
铸件连杆 (Cast connecting rods)	●
全自动集中润滑系统 (Fully automatic centralized lubrication system)	●
防尘密封圈 (铲斗销均配置) (Dust seals (bucket pins are all available))	●
加强全焊接箱式动臂 (Reinforced all-welded box boom)	●
加强全焊接箱式斗杆 (Reinforced all-welded box stick)	●
锻件动臂前叉 (Forging boom forks)	●
凿斗齿/尖斗齿 (Chisel teeth/sharp teeth)	●
臂 3350mm (Arm 3350mm)	○
臂 2250mm (Arm 2550mm)	○

驾驶室 CAB

带悬架的织物操作座椅 (Fabric operator seat with suspension)	●
10.1寸触屏显示器 (10.1-inch touchscreen display)	●
空调 (Air conditioner)	●
操纵杆 (Joysticks)	●
带MP3/AUX的收音机 (Radio with MP3/AUX)	●
万能钥匙 (Master key)	●
小时计 (Hour meter)	●
遮阳板 (Sun visor)	●
双扶手 (Dual armrests)	●
安全带、灭火器 (Seat belts, fire extinguishers)	●
滑动风幕 (Sliding wind screen)	●
杯架 (Cup holder)	●
驾驶室网格护板 (Cab Grid guard)	●
雨刮器 (带清洗器)	●
扬声器、后视镜 (Speakers, mirrors)	●
逃生锤 (Escape Hammer)	●
储物箱、文件袋 (Storage boxes, document bags)	●

● 表示标配 Indicates that it is standard

○ 表示选配 Indicates that it is optional

ME106 大型矿山专用挖掘机 LGMG MINING HYDRAULIC EXCAVATOR



可靠承载重托
RELIABILITY IN ACTION



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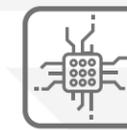
矿山工况
Made for Mining
Application



可靠耐用
Reliable & Durable



节能环保
Energy-efficient &
Pro-environment



智能控制
Intelligent Control

临工重机股份有限公司
LINGONG HEAVY MACHINERY CO., LTD.

生产研发体系 Production R&D system



专业化的矿挖生产线 SPECIALIZED MINING EXCAVATOR PRODUCTION LINE

流水线采用临工重机质量控制流程，整个流水线设置了FTT检验流程，同时遵循装配3+2 质量控制模式，在抓拧紧扭矩、精密度、清洁度方面以及强化整机调试、紧盯短期故障方面进行过程控制，全流程保证挖掘机的生产质量。

The assembly line adopts the quality control process of Adopt LGMG, and the entire assembly line is set up The FTT inspection process, while following the assembly 3+2 quality control model is grasping Tightening torque precision, cleanliness and strengthening the whole machine debugging and monitoring Process control is carried out in terms of short-term failure, and the whole process ensures the production quality of the excavator.



完备的研发试验体系 COMPLETE R & D TEST SYSTEM

临工重机拥有完备的研发以及实验体系。每款挖掘机必须经历过1800以上的野外挖掘测试。驾驶室、工作装置、动力元件等重要零部件都需经过50万次以上的耐疲劳测试。

LGMG Heavy Machinery has a complete R&D and experimental system. Each excavator must have undergone more than 1,800 field excavation tests. Important components such as cabs, working devices, and power components are subject to more than 500,000 fatigue tests.



荣誉奖项 HONORARY AWARD

临工重机在2022年获得国家制造业单项冠军，在2021年中全球工程机械制造商 PLUS 50强第3位(入榜中国企业之首)，同时获得山东省数字化车间、山东省科技领军企业等众多荣誉奖项。

In 2022, LGMG Heavy Machinery won the national manufacturing individual champion, ranked 3rd in the top 50 global construction machinery manufacturers PLUS in 2021 (the first among Chinese enterprises), and won many honorary awards such as Shandong Province Digital Workshop and Shandong Province Science and Technology Leading Enterprise .



整机性能 MACHINE PERFORMANCE

工作质量 (Operating Weights)	102000(kg)
铲斗额定容量 (Bucket volume)	6.0/8.0(m³)
最大挖掘力 (Max digging force)	514(kN)
平均接地比压 (Ground Pressure)	127.4(kPa)
涉水深度 (Wading depth)	1130(mm)
最大回转速度 (Max swing speed)	6.2(r/min)
行驶速度 (Speed)	2.6/3.9(km/h)
爬坡能力 (Climbing capacity)	35(°)
最高海拔 (Max altitude)	3000(m)
作业温度 (Temperature range)	-12~45(°C)



发动机 ENGINE

品牌 (Engine Brand)	Perkins	最大扭矩/转速 (Max torque/speed)	3495/1400(nm)/(r/min)
型号 (Engine Model)	2806C	额定功率 (Rated power)	570.5(kw)
缸径/行程 (Bore/stroke)	145/183(mm)	排量 (Displacement)	18100(ml)
额定转速 (Rated speed)	1800(r/min)	最低燃油消耗量 (Fuel consumption)	200.5(g/kwh)

液压系统 HYDRAULIC SYSTEM

最大流量 (Maximum Flow)		2x504+490(L/min)
工作压力 (Working Pressure)		350/370(kgf/cm²)
主泵 (Main Pump)	型号 (Model)	V30GL280L+V30GL280L
	排量 (Displacement)	2x280+280
主阀 (Main Valve)	型号 (Model)	HVME700B-000000-055
	额定流量 (Rated flow)	600
回转马达 (Rotary motor)	型号 (Model)	HM5X250-LID/265-235
	排量 (Displacement)	2x234.5
行走马达 (Travel motor)	型号 (Model)	MSF-340VP
	排量 (Displacement)	337.2/228.6

提升能力表

Lifting capacity table

ME106额定提升能力。
ME106 rated lifting capacity.

小臂末端(无铲斗)的吊装能力。
Lifting capacity at the end of the arm (without bucket).

若需要计算带铲斗时的吊装能力，只需从下列数值中减去直接安装铲斗或快换安装铲斗的实际重量即可。
Lifting capacity at the end of the arm (without bucket).

	吊钩离地高度 Hook height above the ground	吊钩离地高度					最大作业范围 Maximum operating range	
		3.0m	4.5m	6.0m	7.5m	9.0m	最大值: m Maximum: m	
大臂7.25m The boom is 7.25m	10.5m kg							
	9.0m kg				*22600 *22600		*13736 *13736	*13736
	7.5m kg				*24400 *24400		*23700 13461	13461
	6.0m kg		*39800 *39800	*30550 *30550	*25700 24450	*22750 18150	*24786 15269	15269
小臂2.925m Forearm 2.925m	4.5m kg			*34100 32950	*27400 23400	*23400 17650	*27612 15143	15143
	3.0m kg			*36800 31150	*28850 22450	*24000 17150	*28073 14842	14842
履带板650mm Track shoes 650mm	1.5m kg			*37550 30050	*29450 21700	*24150 16700	*28704 14458	14458
	0m kg		*25950 *25950	*36300 29550	*28850 21300	*23300 16450	*29365 14043	14043
配重14400kg Counterweight 14400kg	-1.5m kg		*40350 *40350	*33250 29550	*26650 21200	*20650 16500	*29932 13640	13640
	-3.0m kg		*33300 *33300	*27950 *27950	*22050 21500		*30285 13282	13282
	-4.5m kg			*18900 *18900			*30300 12999	12999

注: 1. 上述负载符合SAE J1097和ISO 10567液压挖掘机吊装能力标准。

Note: 1. The above loads are in line with SAE J1097 and ISO 10567 hydraulic excavator hoisting capacity standards.

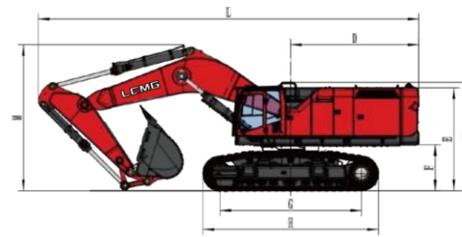
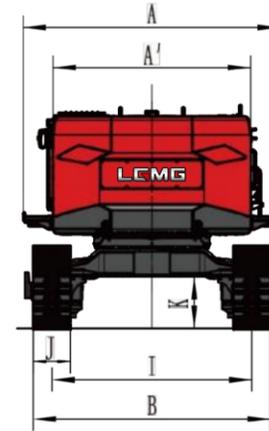
2. 额定负载不超过液压吊装能力的87%或倾覆载荷的75%。

2. The rated load does not exceed 87% of the hydraulic lifting capacity or 75% of the overturning load.

3. 带星号(*)的额定载荷受液压能力而非倾覆载荷所限。

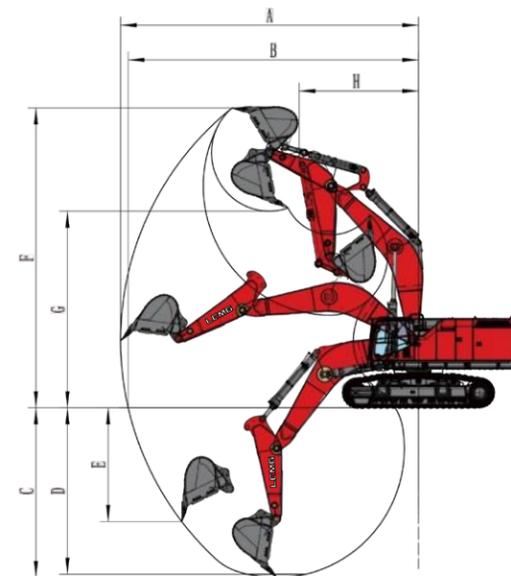
3. Load ratings marked with an asterisk (*) are limited by hydraulic capacity rather than overturning load.

整机尺寸 MACHINE SIZE



型号	ME106
A-上部平台总宽 (Upperframe Width with Walkways)	4510(mm)
A'-上架宽度 (Upperframe Width)	3470(mm)
B-底盘宽度 (Undercarriage Width)	3400/4160(mm)
C-主机总高度 (Cabin Height)	3880(mm)
D-后端长度 / 尾部回转半径 (Tail Swing Radius)	4640/R4700(mm)
E-发动机罩高度 (Engine cover height)	3680(mm)
F-配重离地间隙 (Counterweight Clearance)	1650(mm)
G-轴距 (Length to Center of Rollers)	5120(mm)
H-底盘长度 (Track Length)	6360(mm)
I-轨距 (Track Gauge)	2750/3510(mm)
J-履带宽度 (Track Width)	650(mm)
K-最小离地间隙 (Ground Clearance)	900(mm)
L-运输总长度 (Machine Length)	13700(mm)
M-运输状态大臂高度 (Machine Height)	5200(mm)

作业范围 WORKING RANGES



作业范围	参数
动臂 (Boom length)	7.25(m)
斗杆 (Arm length)	2.925(m)
A-最大挖掘范围 (Max Reach)	12530(mm)
B-最大地面挖掘距离 (Max Reach at ground)	12210(mm)
C-最大挖掘深度 (Max Digging Depth)	7110(mm)
D-最大挖掘深度 (2.44米) (Max Depth Cut for 2440 mm)	6970(mm)
E-最大垂直挖掘深度 (Max Vertical Digging Depth)	4700(mm)
F-最大挖掘高度 (Max Cutting Height)	12300(mm)
G-最大卸载高度 (Max Loading Height)	8040(mm)
H-前部最小回转半径 (Front Swing Radius)	4990(mm)
铲斗挖掘力ISO (Bucket Digging Force)	494(kN)
斗杆挖掘力ISO (Stick Digging Force)	397(kN)
铲斗摆角 (Bucket swing angle)	159(°)



临工大型挖掘机 LGMG LARGE EXCAVATOR

百吨猛将·威震矿山 MINING COMMANDER, HUNDRED TONS BENCHMARK



更可靠高效 MORE EFFICIENT AND RELIABLE

采用矿用型发动机，强化缸体、凸轮轴、曲轴及连杆，大幅延长大修时间；关键液压元器件优化配过，采用更大口径的主阀，一体式输出机构的回转减速机和更大规格的行走减速机防爆阀，防止管路破损造成工作装置突然下降，使安全性得到加强。

The use of mining engines, reinforced cylinder block, camshaft, crankshaft and connecting rod, greatly extend the overhaul time; The key hydraulic components have been optimized. It uses larger diameter main valve, rotary reducer with an integrated output mechanism and a larger walking reducer, explosion-proof valve can prevent the working device from falling suddenly due to the damage of the pipeline, so that the safety is enhanced.



更智能便捷 MORE INTELLIGENT AND CONVENIENT

先进的挖机智能管理系统，采用CAN总线通讯和物联网技术，集主控制系统、发动机ECM、监控系统、操控面板、GPS云控系统和现场诊断系统，实现机器信息数字化共享，提高产品智能化水平。便捷的手机APP微服务，随时随地掌握挖机的位置、作业状况、工作时间、燃油消耗、保养周期。

The advanced excavator intelligent management system adopts CAN bus communication and Internet of Things technology, integrates the main control system, engine ECM, monitoring system, control panel, GPS cloud control system and field diagnosis system to realize digital sharing of machine information and improve the intelligent level of products. Convenient mobile APP micro-service can grasp the location, operation status, working time, fuel consumption and maintenance cycle of excavator anytime and anywhere.



更节能环保 MORE ENERGY SAVING AND ENVIRONMENTAL PROTECTION

采用原装进口珀金斯电控、直喷、4冲程、水冷、涡轮增压、空空中冷、六缸大扭矩低转速发动机。该发动机具有高可靠性、高适应性的优点，是专门针对矿山作业工况精心设计制造的产品。

It adopts imported Perkins electronic control, direct injection, 4-stroke, water cooling, turbocharging, air-to-air intercooling and six-cylinder high-torque low-speed engine.

The engine has the advantages of high reliability and adaptability, and specially designed and manufactured for the working conditions of mining machinery.



更舒适安全 MORE SAFE AND COMFORTABLE

针对矿山工况，采用强化驾驶室，安全性比普通驾驶室提高20%，标配后视摄像头、报警灯、顶防护网、前防护网、急停开关等，进一步提高设备矿山作业的安全性。针对矿山作业工作时间长、振动量大的特点，选用空气悬浮座椅，扶手与座椅同步高度调整，降低驾驶员的疲劳度，提高舒适性。

In view of the mine working conditions, the safety of the strengthened cab is 20% higher than that of the ordinary cab. The standard rear-view camera, alarm light, top protection net, front protection net, emergency stop switch etc., improve the safety of mining operation.

According to the characteristics of long working time and large vibration in mine operation, air suspension seat is selected. By adjusting the synchronous height of armrest and seat, the driver's fatigue is reduced and the comfort is improved.

