



JGM820E

READY TO WORK

Pure Electric Drive, Quieter and Zero-emission Operation



YOUR LATEST CHOICE

Based on our mature three-electric system supply chain advantages and advanced electrification technology, we have developed a cost-effective and long-range electric compact wheel loader that tackles the pain points (such as failure rate, operating cost, emissions, and lifespan) of our customers. The zero-emission, low-noise, and user-friendly features will help you "dump" your past troubles.

 Advanced integrated three-electric system (battery, motor, electric control) with real-world calibration proven through 3,000+ hours field testing.	 Long warranties cover core components, supported by heavy-duty axles and reinforced structures for double the service life of diesel machinery.	 High-quality cores ensure ultra-low failure rates. Direct-drive motor (no transmission) further boosts reliability and reduces maintenance.
 Zero emissions and ultra-low noise. Standard air-conditioned cab with backup camera enhances operator experience.	 Customizable dump height and industry-standard attachments enable versatile applications.	 Highly integrated displays and intuitive controls simplify operation, while the vehicle management system enables real-time remote monitoring.

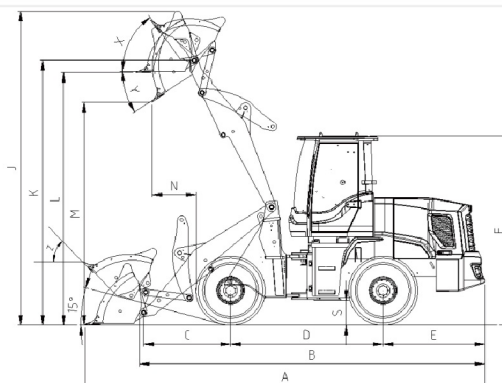
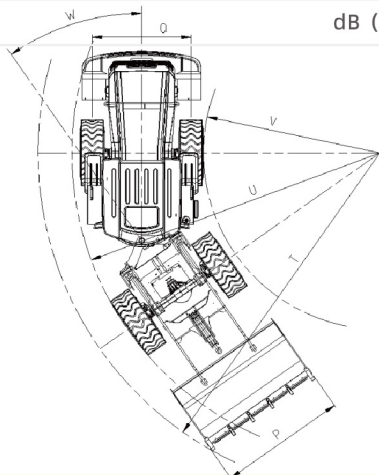
Model		JGM820E		JGM820E Pro
Main Parameters	Unit			
rated load	kg	2,000	1,800	1,600
standard bucket capacity	m³	1.3	1.3	1.3
travel speed	km/h	0~20	0~20	0~20
traction force	kg	5,500	5,500	6,500
break-out force	kg	6,800	4,800	4,800
runtime @regular duty	h	6	6	6
ambient temperature	°C	-25~65	-25~65	-25~65
Power system				
rated power of travel motor	kW	70	70	70
rated power of oil pump motor	kW	30	30	30
battery	-	LFP	LFP	LFP
voltage	V	386	386	386
standard battery capacity	kWh	62.98	62.98	62.98
power supply requirement (end customer)	V	380V		
	Hz	50Hz		
level of protection	-	IP67	IP67	IP67
On-board electronics system				
working voltage	V	24	24	24
Hydraulic system				
working pressure	bar	170	170	170
steering system	/	load-sensitive	load-sensitive	load-sensitive

1.Jingong New Energy Products are constantly updated and improved, and we reserve the right to change the design and parameters without prior notice to users
2.The configuration and appearance of the product in the picture are different from the actual model, and the configuration and appearance of the product shall be subject to the actual product

SPECIFICATIONS

JGM820E

Dimensions	Unit	JGM820E		JGM820E Pro
boom length	m	3.5	4	4.5
operating weight	kg	6,500	6,700	7,300
bucket width	mm	1,980	1,980	1,980
tipping load at full steering	kg	4,000	3,600	3,500
A overall length	mm	6,357	6,777	7,155
B overall length (without bucket)	mm	5,495	5,749	6,127
C distance from axle centerline to bucket pivot center	mm	1,383	1,637	1,757
D wheelbase	mm	2,427	2,427	2,565
E rear overhang	mm	1,618	1,618	1,738
F overall height	mm	3,013	3,013	3,052
J overall working length	mm	5,000	5,641	6,199
K maximum lift height to bucket pivot pin center	mm	4,216	4,612	5,170
L rollback angle at carry position	mm	4,025	4,442	5,000
M dumping height	mm	3,500	4,000	4,500
N dumping distance	mm	701	954	779
P overall width	mm	2,016	2,006	2,006
Q wheel center gauge	mm	1,577	1,577	1,577
S ground clearance	mm	394	394	433
T bucket outer radius at full turn	mm	5,440	5,670	5,898
U Turning radius, outer side of the machine	mm	4,901	4,642	5,050
V Turning radius, inner side of the machine	mm	2,808	2,808	3,049
W steering angle	°	35	35	35
X rollback angle at max lift height	°	54	52	52
Y dump angle at max lift height	°	33	33	33
Z rollback angle at carry position at travel position	°	46	37	37
maximum traction force	kN	55	55	65
maximum break-out force	kN	68	48	48
maximum gradeability	°	25	25	25
maximum forward speed	km/h	22	22	20
maximum backward speed	km/h	22	22	20
tires model	/	16/70-20	16/70-20	16/70-24
front tires pressure	Mpa	0.33-0.35		
rear tires pressure	Mpa	0.31-0.33		
parking brake	/	soft shaft drum brake		
service brake	/	full hydraulic		
drive axle	/	dry strengthened drive axles		
noise level	dB (A)	76		

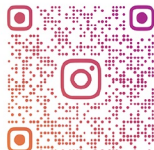




DEFINE THE NEW STANDARD FOR FUTURE MINI CONSTRUCTION MACHINERY



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