



9018FE EXCAVATOR

BATTERY TYPE	LFP
RATED STORAGE ENERGY	20.6 kWh
MOTOR RATED POWER	17 kW (22.8 hp)
OPERATING WEIGHT	Cab 2,060 kg (4,541.5 lb) Canopy 1,960 kg (4,321.1 lb)
BUCKET CAPACITY	0.015-0.08 m ³ (0.02-0.105 yd ³)



B A T T E R Y E L E C T R I C V E H I C L E

TOUGH WORLD. TOUGH EQUIPMENT.



CHANGE FOR THE BETTER

LET'S TALK CHANGE

If you are reading this, then in all probability you are considering making the change to electric machines.

But how do you go about it? Who offers the best machines, support and advice? Who offers the best total cost of ownership? What kind of return on investment can you expect?

As a leader in electric machine and infrastructure technology, we believe we can guide you through every step of your change to electric.

WHY ELECTRIC?

Fully electric? Hybrid? Alternative fuel transmissions?

Making the change from diesel presents a number of options and LiuGong have fully evaluated all of the above and more before deciding on electric as the best option.

BETTER ECONOMY

1 electric unit can save

7.5 L of fuel per day*

That equates to over **1,875 L** of fuel per year**, saving up to

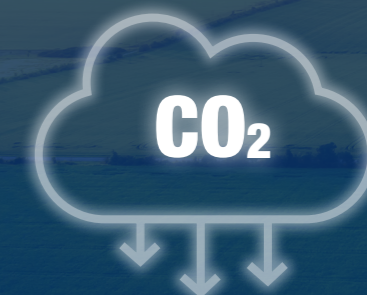
5,025 kg of carbon emissions.

*based on 4-6 hours at 1.5 L/hour.
**based on 1,500 hours

BETTER SUSTAINABILITY

Electric technology reduces emissions by

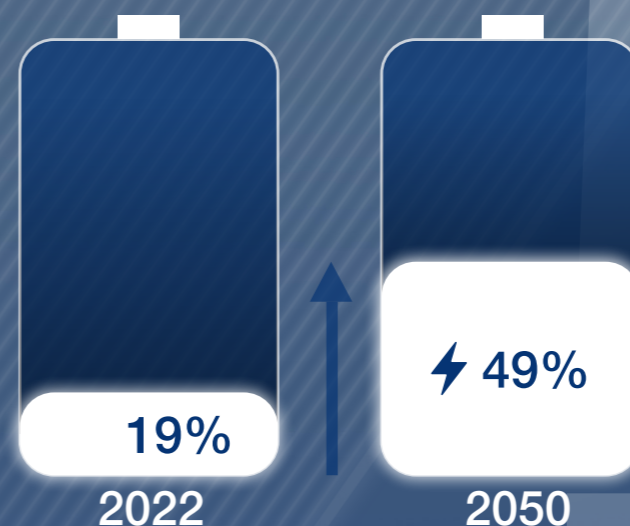
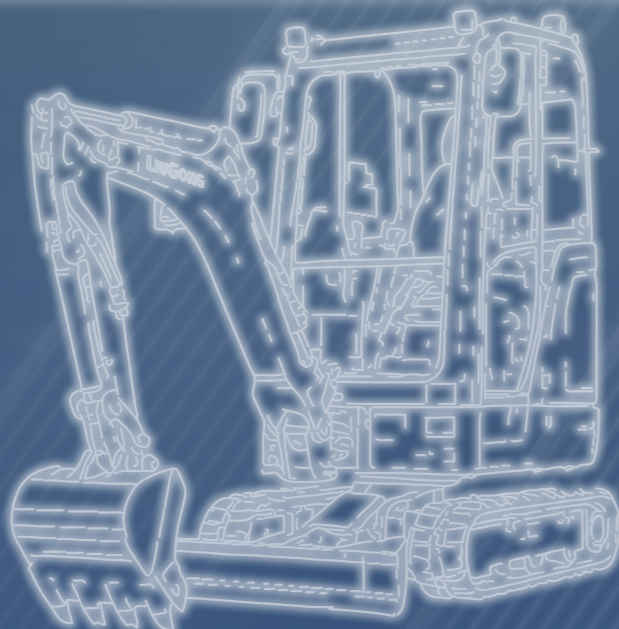
100%



WHY CHANGE NOW?

Our global priorities for energy are changing rapidly, with the adoption of electric power accelerating beyond all other sources. For our customers, changing to electric is a strategic change for the better.

At LiuGong, we can relate to this. We want to be a better global citizen and help make life better for everyone. This thinking has shaped our investment and transformation into a leader in electric capability.



Our energy priorities are changing fast.

Now is the time to change for the better. Together we can help reduce CO₂ emissions by over

50 MILLION TON



LEADING IN BATTERY ELECTRIC VEHICLE TECHNOLOGY

WE OFFER A WORLD LEADING BEV RANGE

LiuGong were one of the first Chinese construction equipment manufacturers to identify the potential of battery electric vehicles in our industry.

Covering 11 product lines, from aerial access equipment to heavy-weight excavators and wheel loaders, we are changing the face of the industry.

As a leader in BEVs we are already developing one of the world's largest electrically powered construction equipment ranges.

ELECTRIC PRODUCT LINES



WHEEL LOADERS



EXCAVATORS



MINING TRUCKS



MOTOR GRADERS



ROLLERS



SKID STEER LOADERS



REACH STACKER



FORKLIFTS



AERIAL WORK PLATFORMS



HYBRID TRACTORS



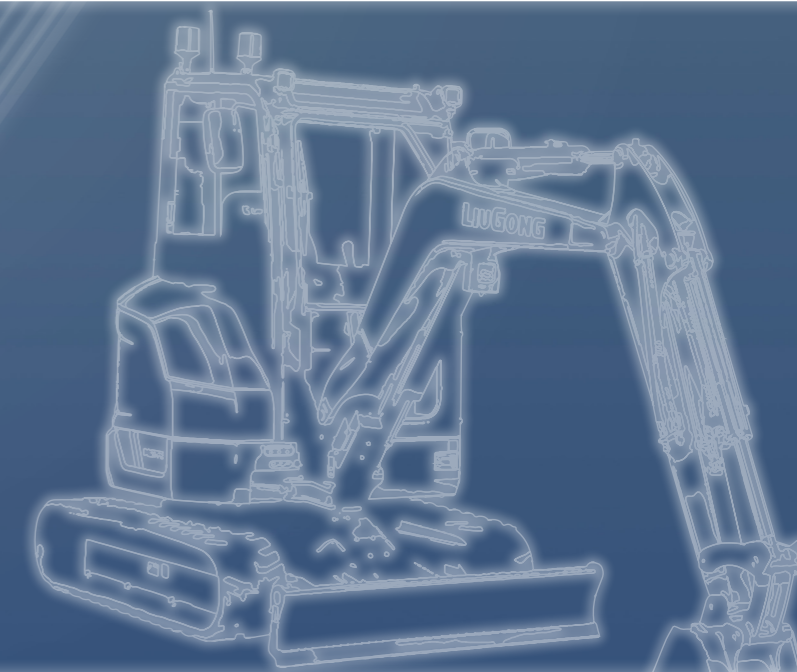
TELESCOPIC HANDLERS

WE ARE A WORLD LEADER IN BEV DESIGN AND R&D

Our Design and R&D Teams are driven to produce the widest possible range of electric vehicles with the toughness, intelligence and performance you would expect from LiuGong.

Sharing our Red Dot Award-winning design DNA, our BEVs have already been awarded with the Top 50 Innovation Gold Award in 2021, Top 50 New Energy Gold Award in 2022, Top 50 New Energy Application Practices Gold Award in 2023 and Gold Award for Market Contribution in New Energy in 2024.

TRUST OUR EXPERIENCE TO HELP YOU CHANGE





NEW 9018FE

AN INTELLIGENT SOLUTION FOR A TOUGH WORLD

To justify the change to electric, BEVs must outperform conventional machines. Our new 9018FE is all the justification you need. It's a machine with proven performance in the areas you really care about.



POWER & BATTERY PERFORMANCE

- Powered by a world-class PMSM motor the 9018FE is proven to perform.
- Large capacity lithium iron phosphate battery
 - Load sensing hydraulics
 - Automatic shutdown function



PLUG & PLAY SIMPLICITY

- We help you change to electric by offering a simple a plug-and-play solution, perfectly matched to deliver the optimum performance, economy and safety.
- BEV machine
 - Charging infrastructure
 - Health and safety training and support



INTELLIGENCE & CONTROL

- Our intelligent, human centric design creates a superior operating experience.
- 7-inch touch screen display
 - Intelligent battery management system
 - Electronic proportional level
 - Auxiliary flow and adjustable pressure



SAFETY & COMFORT

- Designed around the operator, our cab provides the highest levels of safety, visibility and comfort.
- 48 V system voltage
 - Adjustable seat and armrest heights
 - Micro-pressurized cab significantly reduces dust and noise and vibration



ENVIRONMENTALLY FRIENDLY

- Heavyweight performance with environmental responsibility.
- Zero fuel
 - Zero emissions
 - Lower noise & vibrations



LOW MAINTENANCE

- Maintenance-free motor
- Maintenance-free battery
- Long life hydraulic oil



CHANGE FOR A SAFER SOLUTION



ENVIRONMENTALLY FRIENDLY

Changing to electric brings you the obvious benefits of zero emissions and zero diesel costs, but our new design for the 9018FE goes even further.

'Silent' is a bold claim, but noise performance tests prove that internal and external noise and vibrations are negligible, compared with traditional machines. Zero noise is our aim, and the new 9018FE comes within a whisper of achieving that.



SAFETY WITHOUT COMPROMISE

Electricity can be dangerous, but we have gone further to keep the operator and the jobsite safer.

Our lithium iron phosphate battery has been tested to the extreme, passing rigorous safety, reliability, impact and water and fire resistance tests with ease. With a neat, standard tail swing and boom swing design, the 9018FE can work in the tightest places without causing accidents to man or machine.



CHANGE FOR INTELLIGENT PERFORMANCE



SMART DIAGNOSTICS

The 9018FE benefits from LiuGong's industry leading power management system (BMS) which delivers 20 kWh power for up to 5 hours between charges. With precise power distribution, self diagnosis and self monitoring this intelligent system is designed for performance. With safety and uptime in mind the 9018FE also benefits from Self-shutoff and rapid fault diagnosis.



EVEN BETTER BATTERY PERFORMANCE

Most of batteries deliver their best performance when operating at temperatures of between 15°C and 45°C., but LiuGong battery pack can perform normally from -20°C to 60°C. We uses LiuGong's Intelligent Temperature Management System to keep the working temperature at its optimum, no matter how extreme the climate is.



MULTI-TOOL CAPABILITY AND CONTROL

With two sets of auxiliary pipelines, quick change pipelines with adjustable flow, and an optional electric proportional control function, we've made operational control and multi-tool attachment capability second-to-none. Hydraulic hammers, shears, tiltable buckets, tiltable rotary heads, hydraulic grabs, hydraulic breakers and a wide range of attachments can be connected, controlled and swapped with ease, speed and efficiency.



FULL TORQUE, BETTER EFFICIENCY

How do you get the maximum power with minimum energy? Our highly efficient PMSM motor is the answer. This low-speed, high-torque motor perfectly complements our load sensing hydraulics and intelligent electronic control system. Together, they ensure that the 9018FE always operates in the highest-efficiency range of $\geq 95\%$.



MAKING THE MOST OF EVERY CHARGE

For BEVs, fuel consumption may no longer be an issue, but energy efficiency is still a top priority for LiuGong. Our machines are required to work in the toughest, most remote locations, so it's essential that they use their battery power intelligently. Our smart approach differentiates our BEVs and makes the most of every charge.



up to **5 HOURS**
of working in normal applications



CHANGE FOR 'PLUG & PLAY' SIMPLICITY



PLUG & PLAY SIMPLICITY

We help you change to electric by offering a simple plug-and-play solution, perfectly matched to deliver the optimum performance, economy and safety.



up to **1.5 HOURS**
using 400 V DC power charging solution



up to **6 HOURS**
on slow charging capability using AC power



POWER FORM	INPUT VOLTAGE	INPUT CURRENT	GRID INTERFACE	CHARGING EQUIPMENT	(10 to 100%) CHARGING TIME
AC	230 V	13 A	BRITISH HOME		7 h
		16 A	EUROPEAN HOUSEHOLD		6 h
			INDUSTRIAL SOCKET		
DC	400 V	32 A	INDUSTRIAL SOCKET		1.5 h



CHANGE FOR A BETTER ENVIRONMENT



WELCOME TO FIRST CLASS

Climb into the cab and you know you've entered an environment that has been designed with your comfort, ease and safety in mind.



EVERYTHING AT HAND

From the spacious storage, cupholder, entertainment system and USB connectivity, to the 7-inch touch screen LCD display, everything is on hand to enhance your operating experience.



QUIET LUXURY

Interior sound level of 9018FE is 73 dB, which is 4 dB quieter than conventional diesel models and the premium, fully adjustable suspension seat, supports and delivers a smoother, softer ride even in the toughest terrain.



BUILT AROUND YOU

We know that a comfort and productivity go hand-in-hand, so we've designed our cab to match your needs exactly.



CHANGE FOR BETTER RETURN ON INVESTMENT

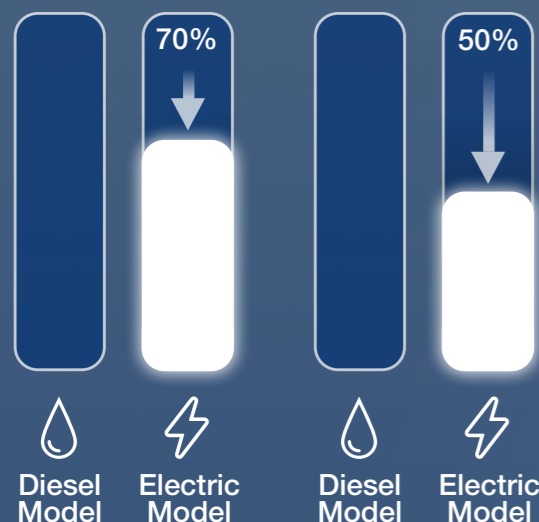


DIESEL VS ELECTRIC?

This is the big question. In a straight cost-per-ton comparison, changing to electric makes sense on the jobsite and on the balance sheet. Diesel Excavator use 1 litre of fuel, while electric excavator use only 3.6 kWh of electricity.

LOW TOTAL COST OF OWNERSHIP

- PMSM motor
- Maintenance-free battery



SLASHES OPERATIONAL & MAINTENANCE COSTS

Not guesswork – but cold, hard facts, gleaned from over 500 customer job sites. Our detailed analysis proves that our electric machines reduce 5-year operational costs by up to 70% and maintenance costs by up to 50%.

Add to this LiuGong's 5 year, 10,000 working hours warranty and the new 9018FE promises exceptional return on investment.



USE OUR SMART APP

You can calculate your total cost of ownership in an instant with our smart app. Try it now. It could change your mind for the better.



SPECIFICATIONS

Operating weight	Cab	2,060 kg (4,541.5 lb)
	Canopy	1,960 kg (4,321.1 lb)
Operating weight includes lubricants, cab, standard Shoes, boom, arm, bucket and operator 75 kg (165 lb).		
Bucket capacity		0.015-0.08 m ³ (0.02-0.105 yd ³)

POWER	
Motor type	PMSM
Rate voltage	33 V
Insulation class	H
Motor rated power	17 kW (22.8 hp)
Rated torque	57.3 N·m (42.3 lbf-ft)
Peak torque	94 N·m (69.3 lbf-ft)
Cooling mode	Natural cooling
IP level	IP67

SWING SYSTEM	
Description	
Planetary gear reduction driven by high torque axial piston motor, with oil disk brake. Swing parking brake resets within five seconds after swing pilot controls return to neutral.	
Swing speed	9.5 rpm
Swing torque	2,119 N·m (1,562.9 lbf-ft)

SERVICE CAPACITIES	
Washer	1.6 L (0.4 gal)
Hydraulic reservoir	21.5 L (5.7 gal)
Hydraulic system total	26.5 L (7 gal)

BATTERY	
Battery type	LFP
Battery voltage	44.8 V
Battery capacity	20.6 kWh
IP level	IP67
Indicative runtime (depending on application)	3-5 h
Standard charging Time	≤ 6 h
Fast charging time (20 kW)	≤1.5 h

HYDRAULIC SYSTEM	
Main pump	
The main pump type	Load-sensing variable pump
System maximum flow	55 L/min (14.5 gal/min)
Relief valve setting Maximum pressure	
Working device circuit	21 MPa (3045.8 psi)
Travel circuit	21 MPa (3045.8 psi)
Slew circuit	15.7 MPa (2,277.1 psi)
Pilot circuit	3.5 MPa (507.6 psi)

Hydraulic cylinders	
Boom cylinder – bore × rod diameter × stroke	1-φ60×φ30×462 -765 mm (1-φ2.4" ×φ1.2" ×1'6.2"-2'6.1")
Arm cylinder – bore × rod diameter × stroke	1-φ60×φ35×365 -615 mm (1-φ2.4" ×φ1.4"×1'2.4" -2'0.2")
Bucket cylinder – bore × rod diameter × stroke	1-φ60×φ35×295 -540 mm (1-φ2.4" ×φ1.4" ×11.6"-1' 9.3")
Bulldozer cylinder - bore × rod diameter × stroke	1-φ65×φ30×108 -338 mm (1-φ2.6" ×φ1.2"×4.3"-1'1.3")
Deflection cylinder - bore × rod diameter × stroke	1- φ 55 × φ 30 × 349 -615 mm (1-φ 2.2" ×φ 1.2"×1'1.7"-2'0.2")

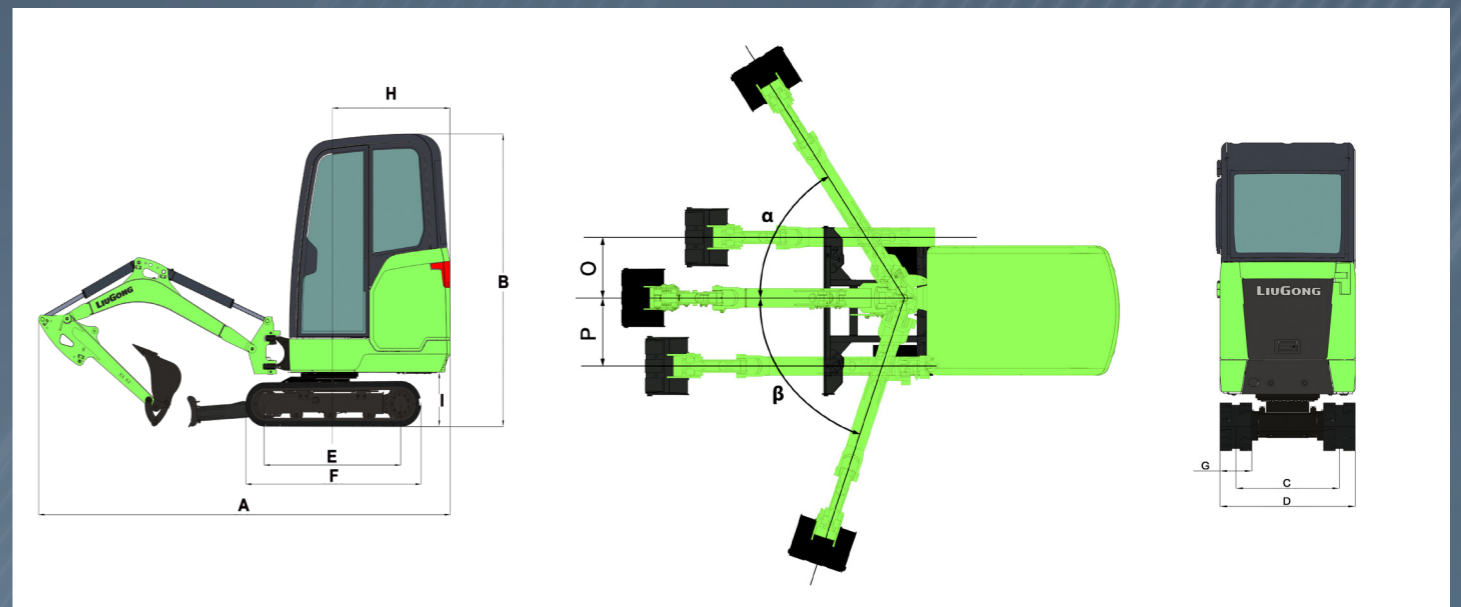
PERFORMANCE	
Max. Travel speed, fwd-(kph)	4.5 km/h (2.8 mph)
Low. Travel speed, fwd-(kph)	2.2 km/h (1.4 mph)
Gradeability	30°
Max. Drawbar pull	17 kN (3,821.8 lbf)

UNDERCARRIAGE	
Track shoe each side	8-16 mm (0.3"-0.6") (metal) /10-15 mm (0.4"-0.6") (rubber)
Link pitch	90/48 mm (3.5"/1.9") (rubber)
Shoe width, triple grouser	85 mm (3.4")
Bottom rollers each side	3
Top rollers each side	1

ELECTRIC SYSTEM	
Auxiliary battery voltage	44.8 V
Auxiliary battery capacity	45 Ah
DC power	800 W
Standard charging power	3,300 W
Fast charging power	20,000 W

AIR CONDITIONING SYSTEM	
Heating capacity	3,000 W
Heating and air supply volume	400 m ³ /h
Voltage (DC)	48 V
Total power consumption	≤ 3,200 W

SOUND PERFORMANCE	
Interior sound level (ISO 6396)	73 dB(A)
Exterior sound level (ISO 6395)	85 dB(A)



DIMENSIONS		
Boom	1,685 mm (5'6")	
Arm options	1,070 mm (3'6")	1,210 mm (4')
A. Shipping length	3,707 mm (12'2")	3,668 mm (12')
B. Shipping height	2,350 mm (7'9")	
C. Track gauge	750 mm (2'6")	1,060 mm (3'6")
D. Undercarriage width	980 mm (3'3")	1,290 mm (4'3")
E. Length to center of rollers	1,230 mm (4')	
F. Track length	1,580 mm (5'2")	
G. Track shoe width	230 mm (9")	
H. Tail swing radius	1,070 mm (3'6")	
I. Counterweight ground clearance	435 mm (1'5")	
Overall height of cab	2,350 mm (7'9")	
Min. Ground clearance	100 mm (4")	
Overall width of upper structure	980 mm (3'3")	
O. Maximum boom offset to the right	419 mm (1'4")	
P. Maximum boom offset to the left	558 mm (1'10")	
A. Maximum boom swing angle to the right	58°	
B. Maximum boom swing angle to the left	72°	

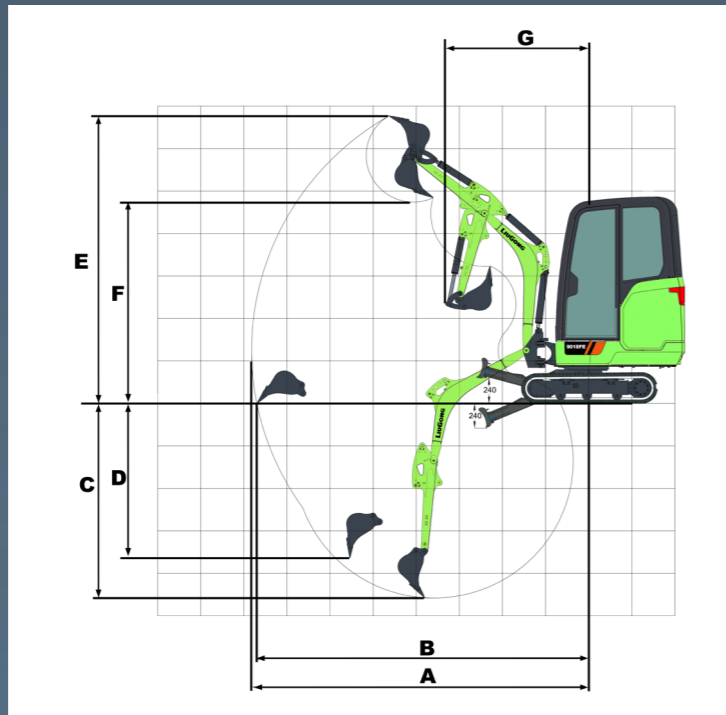
BOOM DIMENSIONS	
Boom	1,685 mm (5'6")
Length	1,767 mm (5'10")
Height	615 mm (2')
Width	246 mm (10")
Weight	87.5 kg (193 lb)
Cylinder, piping and pin included. Boom cylinder pin excluded.	

ARM DIMENSIONS		
Arm	1,070 mm (3'6")	1,210 mm (4')
Length	1,305 mm (4'3")	1,450 mm (4'9")
Height	282 mm (11")	248 mm (10")
Width	122 mm (5")	122 mm (5")
Weight	50 kg (110 lb)	52 kg (115 lb)
Cylinder, linkage and pin included.		

MACHINE WEIGHTS & GROUND PRESSURE					
Shoe width	Cab/Canopy	Shoe type	Operating weight	Ground pressure	Overall width
			1,685 mm (5'6") boom, 1,070 mm (3'6") arm, 0.056 m ³ (0.073 yd ³) bucket, 70 kg (154 lb) counterweight		
230 mm (9")	Cab	Rubber	1,900 kg (4,189 lb)	30.5 kPa	1,290 mm (4'3")
		Metal	1,900 kg (4,189 lb)	30.5 kPa	1,290 mm (4'3")
	Canopy	Rubber	1,800 kg (3,968 lb)	28.9 kPa	1,290 mm (4'3")

LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.

LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.



WORKING RANGE	
Boom length	1,685 mm (5'6")
Arm options	1,070 mm (3'6") 1,210 mm (4')
A. Max. Digging reach	3,910 mm (12'10") 4,040 mm (13'3")
B. Max. Digging reach on ground	3,850 mm (12'8") 3,980 mm (13'1")
C. Max. Digging depth	2,290 mm (7'6") 2,430 mm (8')
D. Max. Vertical wall digging depth	1,820 mm (6') 1,950 mm (6'5")
E. Max. Cutting height	3,385 mm (11'1") 3,475 mm (11'5")
F. Max. Dumping height	2,370 mm (7'9") 2,460 mm (8'1")
G. Min. Front swing radius	1,660 mm (5'5") 1,700 mm (5'7")
Blade up	240 mm (9") 240 mm (9")
Blade down	240 mm (9") 240 mm (9")
Bucket digging force (ISO)	16 kN (3,597 lbf) 16 kN (3,597 lbf)
Arm digging force (ISO)	9 kN (2,023 lbf) 8 kN (1,798 lbf)
Bucket capacity	0.015-0.08 m ³ (0.02-0.105 yd ³) 0.015-0.08 m ³ (0.02-0.105 yd ³)
Bucket tip radius	548 mm (1'10") 548 mm (1'10")

BUCKET SELECTION GUIDE						
Bucket Type	Capacity	Cutting Width	Weight	Teeth pcs	1,685 mm (5'6") boom, 1,070 mm (3'6") arm	1,685 mm (5'6") boom, 1,210 mm (3'12") arm
Trenching bucket	0.015 m ³ (0.02 yd ³)	234 mm (9")	32 kg (70.5 lb)	2	B	B
General purpose bucket	0.022 m ³ (0.029 yd ³)	300 mm (12")	37 kg (81.6 lb)	2	A	A
General purpose bucket	0.038 m ³ (0.05 yd ³)	455 mm (1'6")	47 kg (103.6 lb)	3	A	A
General purpose bucket	0.056 m ³ (0.073 yd ³)	600 mm (1'12")	58 kg (127.9 lb)	4	A	A
Ditching/grading bucket	0.08 m ³ (0.105 yd ³)	1,000 mm (3'3")	74 kg (163.1 lb)	0	A	A

The recommendations are given as a guide only, based on typical operation conditions. Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose. Maximum material density:
 A. 1,200-1,300 kg/m³ (2,023-2,191 lb/yd³) : coal, caliche, shale B. 1,400-1,600 kg/m³ (2,360-2,697 lb/yd³) : wet earth and clay, limestone, sandstone
 C. 1,700-1,800 kg/m³ (2,865-3,034 lb/yd³) : granite, wet sand, well blasted rock D. 1,900 kg/m³ (3,203 lb/yd³) : wet mud, iron ore
 NA. Not applicable

Lifting capacity at the arm end without bucket.
 For lifting capacity including bucket, weight of the bucket or the bucket with quick coupler must be deducted from the lifting capacities.
 Lifting capacities are based on the machine standing on a firm, uniform supporting surface.



Rating over-front (Cf)



Rating over-side (Cs)

- Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
- The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. They do not exceed 87% of hydraulic lifting capacity or 75% tipping load.
- Ratings at bucket lift hook.
- Lifting capacities are based on machine standing on level, firm and uniform ground.
- *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
- Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for the safe operation of equipment should be adhered to at all times.

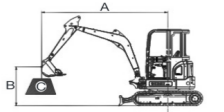
LIFTING CAPACITY (METRIC)

9018FE with 230 mm Shoes, 1,685 mm Boom, 1,070 mm Arm

A: Load radius
 B: Load point height
 C: Lifting capacity
 Cf: Rating over front
 Cs: Rating over side

Conditions

Boom length: 1,685 mm
 Arm length: 1,070 mm
 Bucket: None
 Counterweight: 70 kg
 Shoes: 230 mm
 Unit: kg



A (Unit: m) Blade: up

B (m)	A (Unit: m) Blade: up								MAX REACH		A (m)
	1.5		2		2.5		3		Cf	Cs	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
2.0	kg				*350	274			268	207	3.0
1.0	kg		473	359	339	260	260	200	222	171	3.3
GROUND LEVEL	kg	686	496	439	328	321	243	251	191	222	169
-1.0	kg	691	500	436	325	318	240		273	208	2.8

A (Unit: m) Blade: down

B (m)	A (Unit: m) Blade: down								MAX REACH		A (m)
	1.5		2		2.5		3		Cf	Cs	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
2.0	kg				*350	274			*406	207	3.0
1.0	kg		*611	359	*500	260	*435	200	*395	171	3.3
GROUND LEVEL	kg	*731	496	*813	328	*583	243	*446	191	*380	169
-1.0	kg	*965	500	*648	325	*467	240		*374	208	2.8

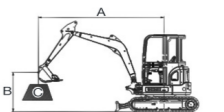
LIFTING CAPACITY (IMPERIAL)

9018FE with 9" Shoes, 5'6" Boom, 3'6" Arm

A: Load radius
 B: Load point height
 C: Lifting capacity
 Cf: Rating over front
 Cs: Rating over side

Conditions

Boom length: 5'6"
 Arm length: 3'6"
 Bucket: None
 Counterweight: 154.3 lb
 Shoes: 9"
 Unit: lb



A (Unit: ft) Blade: up

B (ft)	A (Unit: ft) Blade: up								MAX REACH		A (ft)
	5		6		8		10		Cf	Cs	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
6.6	lb				*772	604			591	456	9.8
3.3	lb		1,044	792	748	573	573	441	490	377	10.9
GROUND LEVEL	lb	1,514	1,095	969	724	708	536	554	421	490	373
-3.3	lb	1,525	1,104	962	717	701	529		273	208	9.2

A (Unit: ft) Blade: down

B (ft)	A (Unit: ft) Blade: down								MAX REACH		A (ft)
	5		6		8		10		Cf	Cs	
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
6.6	lb				*772	604			*896	456	9.8
3.3	lb		*1,348	792	*1,103	573	*960	441	*871	377	10.9
GROUND LEVEL	lb	*1,613	1,094	*1,794	724	*1,286	536	*984	421	*838	373
-3.3	lb	*2,130	1,103	*1,430	717	*1,030	529		*825	459	9.2

LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.

LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.



Lifting capacity at the arm end without bucket.
For lifting capacity including bucket, weight of the bucket or the bucket with quick coupler must be deducted from the lifting capacities.
Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

- Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
- The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. They do not exceed 87% of hydraulic lifting capacity or 75% tipping load.

- Ratings at bucket lift hook.
- Lifting capacities are based on machine standing on level, firm and uniform ground.
- *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
- Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for the safe operation of equipment should be adhered to at all times.



Rating over-front (Cf)



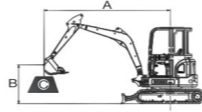
Rating over-side (Cs)

LIFTING CAPACITY (METRIC)

9018FE with 230 mm Shoes, 1,685 mm Boom, 1,210 mm Arm

Conditions

Boom length: 1,685 mm
Arm length: 1,210 mm
Bucket: None
Counterweight: 70 kg
Shoes: 230 mm
Unit: kg



B (m)		A (Unit: m) Blade: up								MAX REACH		
		1.5		2		2.5		3				
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
2.0	kg					*292	276	267	206	249	192	3.1
1.0	kg		566	477	363	340	261	260	200	209	160	3.5
GROUND LEVEL	kg	684	494	439	327	320	242	249	190	209	159	3.4
-1.0	kg	683	493	431	320	314	236	251	190	251	190	3.0

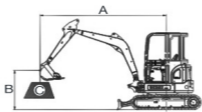
B (m)		A (Unit: m) Blade: down								MAX REACH		
		1.5		2		2.5		3				
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
2.0	kg					*292	276	369	206	*380	192	3.1
1.0	kg	699	566	*529	363	*463	261	*417	200	*372	160	3.5
GROUND LEVEL	kg	*774	494	*813	327	*581	242	*449	190	*360	159	3.4
-1.0	kg	*960	493	*678	320	*491	236		190	*356	190	3.0

LIFTING CAPACITY (IMPERIAL)

9018FE with 9" Shoes, 5'6" Boom, 3'12" Arm

Conditions

Boom length: 5'6"
Arm length: 3'12"
Bucket: None
Counterweight: 154.3 lb
Shoes: 9"
Unit: lb



B (ft)		A (Unit: ft) Blade: up								MAX REACH		
		5		6		8		10				
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
6.6	lb					*642	607	587	453	548	422	10.3
3.3	lb		1245	1,049	799	748	574	572	440	460	352	10.4
GROUND LEVEL	lb	1,505	1,087	966	719	704	532	548	418	460	350	11.2
-3.3	lb	1,503	1,085	948	704	691	519	552	418	552	418	11.3

B (ft)		A (Unit: ft) Blade: down								MAX REACH		
		5		6		8		10				
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
6.6	lb					*642	607	*812	453	*836	422	10.3
3.3	lb	*1,538	1,245	*1,164	799	*1,019	574	*917	440	*818	352	11.4
GROUND LEVEL	lb	*1,703	1,086	*1,789	719	*1,278	532	*988	418	*792	350	11.2
-3.3	lb	*2,112	1,085	*1,491	704	*1,080	519		418	*783	418	11.3

STANDARD EQUIPMENT

BATTERY

- LFP
- Battery preheating function
- Battery natural cooling
- Maintenance-free 48 V battery-fixed for anti theft protection

MOTOR

- High performance PMSM motor
- Naturally cooled motor
- Intelligent protection function
- Auto idling

CHARGE

- On-board charger with type 2 socket
- Standard charger cable
- Quick charging interface (REMA320 high protection class)
- Electronic lock: standard charging anti-theft feature
- Charging protection function

ELECTRICAL SYSTEM

- 7-inch touch screen display
- Integrated power distribution module
- Cab heating
- Fresh air exchange with the function of external circulation
- Electric horn
- Safety start protection (pilot switch)
- Negative switch
- 12 Volt power outlet with cap
- Data diagnosis interface
- Self-diagnosable system
- Maintenance free battery
- T-BOX
- Emergency stop switch

HYDRAULIC SYSTEM

- Pilot accumulator
- Inline main pump
- Inline main valve
- Two speed auto shift travel
- Dozer blade no float function

OPERATOR STATION

- TOPS cab
- Mechanical suspension seat & 2-inch red retractable seat belt
- Dual way auxiliary lines with proportional joystick control
- Attachment rotation lines-rotation flow adjustment
- High pressure quick coupler lines
- Valve-controlled auxiliary circuit (one or two way)
- Fire extinguisher
- Rear view mirror, mounted in the LH cab
- Rear view mirror, mounted in the RH cab
- Rear view mirror on cab rear right
- Warmer
- Liugong controller
- LED lights on cab front (2 lights)
- Rotating beacon
- Travel alarm
- Quicker-coupler warning
- Seatbelt connected warning beacon
- Secondary engine shutoff switch

DIGGING EQUIPMENT

- Boom swing
- 1,685 mm (5'6") boom
- 1,070 mm (3'6") arm
- 70 kg (154.3 lb) counterweight

UNDERCARRIAGE

- 230 mm (9") rubber track
- Adjustable undercarriage
- 2 mm (0.1") platform bottom plate

OPTIONAL EQUIPMENT

UNDERCARRIAGE

- 230 mm (9") steel track

CAB

- Canopy
- Non-shock absorbing seat & 2-inch red retractable seat belt
- Mechanical suspension heated seat & 2 inch red retractable seat belt
- LED lights front 2 and rear 2 on cab

ATTACHMENT

- Mechanical quick coupler
- Hydraulic quick coupler
- Breaking hammer LGB45
- 0.015 m³ (0.02 yd³) trenching bucket
- 0.022 m³ (0.029 yd³) general purpose bucket
- 0.038 m³ (0.05 yd³) general purpose bucket
- 0.056 m³ (0.073 yd³) general purpose bucket
- 0.08 m³ (0.105 yd³) ditching/grading bucket

DIGGING EQUIPMENT

- 1,210 mm (4') arm

LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.

LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.

Guangxi Liugong Machinery Co., Ltd.

No. 1 Liutai Road, Liuzhou, Guangxi 545007, PR China
T: +86 772 3886124 E: overseas@liugong.com
www.liugong.com

LG-PB-9018FE-20.6 kWh-24P-A4-122025-ENG



The Liugong series of logos herein, including but not limited to word marks, device marks, letter of alphabet marks and combination marks, as the registered trademarks of Guangxi Liugong Group Co., Ltd. are used by Guangxi Liugong Machinery Co., Ltd. with legal permission, and shall not be used without permission. Specifications and designs are subject to change without notice. Illustrations and pictures may include optional equipment and may not include all standard equipment. Equipment and options varies by regional availability.