



9027FE EXCAVATOR

BATTERY TYPE
RATED STORAGE ENERGY
MOTOR RATED POWER
OPERATING WEIGHT
BUCKET CAPACITY

LFP
20.6 kWh
16.5 kW (22.1 hp)
2,750 kg (6,063 lbs)
0.08 m³ (0.1 yd³)



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.

9027FE SPECIFICATIONS >>>

ELECTRIC SYSTEM

Motor Type	SYR
Battery	LFP
Rated Storage Capacity	20.6 kWh
Rated Voltage	44.8 V
Indicative Runtime	3-4 h
Charge Time	1.5 h/6 h
Charging Port	DC/AC
System Voltage	12 V

UNDERCARRIAGE

Shoe Width	300 mm (12")
Number of Shoes per Side	80 mm (3.2" rubber)
Number of Upper Rollers per Side	1
Number of Bottom Rollers per Side	3

DIMENSIONS

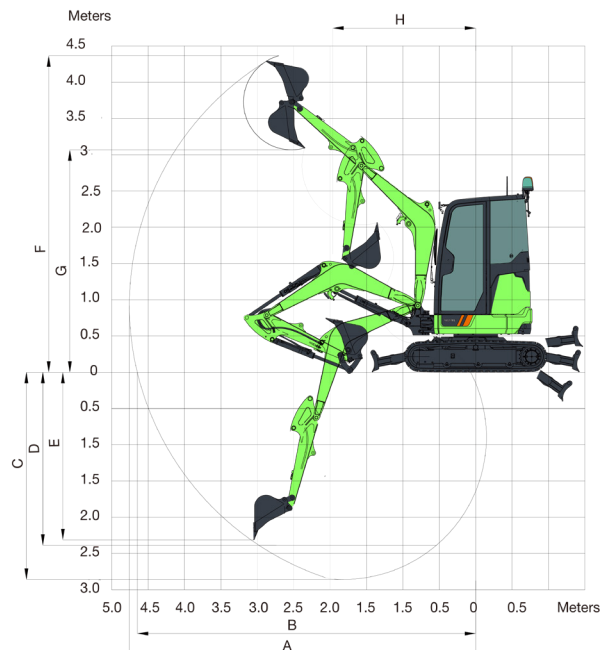
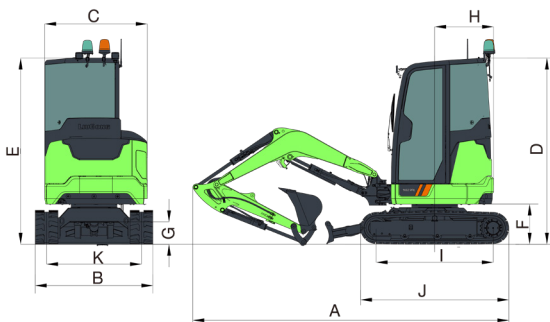
A Shipping Length	4,160 mm (13'8")
B Shipping Width	1,550 mm (3'3")
C Overall Width of Upper Structure	1,350 mm (4'5")
D Shipping Height	2,450 mm (8'0")
E Overall Height of Cab	2,450 mm (8'0")
F Counterweight Ground Clearance	530 mm (1'9")
G Min. Ground Clearance	295 mm (12")
H Tail Swing Radius	775 mm (2'7")
I Length to Center of Rollers	1,540 mm (5'1")
J Track Length	1,953 mm (6'5")
K Track Gauge	1,250 mm (2'6")

BUCKET PERFORMANCE

Std. Bucket Heaped Capacity (Referenced)	0.08 m ³ (0.1 yd ³)
Min. Heaped Capacity of Bucket Options	0.05 m ³ (0.07 yd ³)
Max. Heaped Capacity of Bucket Options	0.08 m ³ (0.03 yd ³)

TRACK DRIVE

Maximum Travel Speed	4.2 km/h (2.6 mph)
Drawbar Pull	21.1 kN (4,743 lbf)



WORKING RANGE

Boom Length	2,080 mm (6'10")
Arm Length	1,300 mm (4'3")
A Max. Digging Reach	4,757 mm (15'7")
B Max. Digging Reach on Ground	4,648 mm (15'3")
C Max. Digging Depth	2,857 mm (9'4")
D Max. Digging Depth, 2.44 m (8') Level	2,386 mm (7'10")
E Max. Vertical Wall Digging Depth	2,312 mm (7'7")
F Max. Cutting Height	4,365 mm (14'3")
G Max. Dumping Height	3,067 mm (10'1")
H Min. Front Swing Radius	1,965 mm (6'5")
Bucket Digging Force (ISO)	20 kN (4,496 lbf)
Arm Digging Force (ISO)	12 kN (2,698 lbf)

HYDRAULIC SYSTEM

Main Pumps Total Flow	72.4 L/min
Relief Pressure, main	21.6 MPa (3,133 psi)

SERVICE CAPACITIES

Hydraulic System Total	40 L (10.6 gal)
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SWING SYSTEM

Swing Speed	9.5 rpm
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Specifications and designs are subject to change without notice. Machines shown may include optional equipment. LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.

11/2023 Designed by LiuGong
Replace the previous versions of 05/2023