



SANY



# SY35E

**Battery capacity**

70.18 kWh

**Bucket capacity**

0.12 m<sup>3</sup>

**Operating weight**

4300kg



Efficiency



Safe and reliable



Longer working time



Zero emission

- ◆ It features a high-torque permanent magnet synchronous motor, coordinated electric-drive and hydraulic control, fast response, high precision, smooth operation, and high output efficiency.
- ◆ Vehicle-wide insulation monitoring, high-voltage interlock, over-temperature protection, charging safety detection, IP67 protection for high-voltage electrical components, ensuring safe construction with no blind spots.
- ◆ Equipped with a large-capacity battery and DC fast charging — one hour of charging provides 6–8 hours of operation.
- ◆ "Zero emissions, low noise." Onboard IoT, a new touchscreen, self-diagnostics, and reduced energy consumption.

# Technical specifications

Specification		Main performance	
Operating Weight	4300 kg	Travel Speed (High/Low)	4.2/2.4 (km/h)
Bucket Capacity	0.12 m <sup>3</sup>	Swing Speed	10 r/min
Motor Type	Permanent magnet synchronization	Gradeability	58 %/30°
Motor Weight	50 kg	Ground Pressure	0.038 MPa
Rated Power	18 kW/2200 rpm	Bucket Digging Force	26.51 kN
Max Power	27 kW	Arm Digging Force	19.96 kN
Nominal Torque	80 N·m	Main Pump Displacement	40 cc/r
Battery Type	lithium iron phosphate	Max Hydraulic Flow	88 L/min
Nominal Voltage	405.72 V	Main Relief Pressure	24 MPa
Standard Capacity	173 A·h	Overload Relief Pressure	28 MPa
Battery Energy Capacity	70.18 kWh		

## Machine dimensions

Overall Dimensions (mm)	SY35E	Working Ranges (mm)	SY35E
A. Overall Length (Transport)	4920	a. Maximum Digging Height	4865
B. Overall Width	1720	b. Maximum Dumping Height	3445
C. Overall Height (Transport)	2615	c. Maximum Digging Depth	2640
D. Cab Width	1000	d. Maximum Vertical Wall Digging Depth	3115
E. Width of Standard Track Shoe	300	e. Maximum Digging Reach	5480
F. Track Gauge	1420	f. Minimum Swing Radius	2475
G. Minimum Ground Clearance	295	g. Max Height at Minimum Swing Radius	5400
H. Tail Swing Radius	1100		
I. Track Length on Ground	1670		
J. Overall Track Length	2155		
K. Max Lift Height of Blade	375		
L. Max Lower Depth of Blade	370		
M. Blade Height	350		

