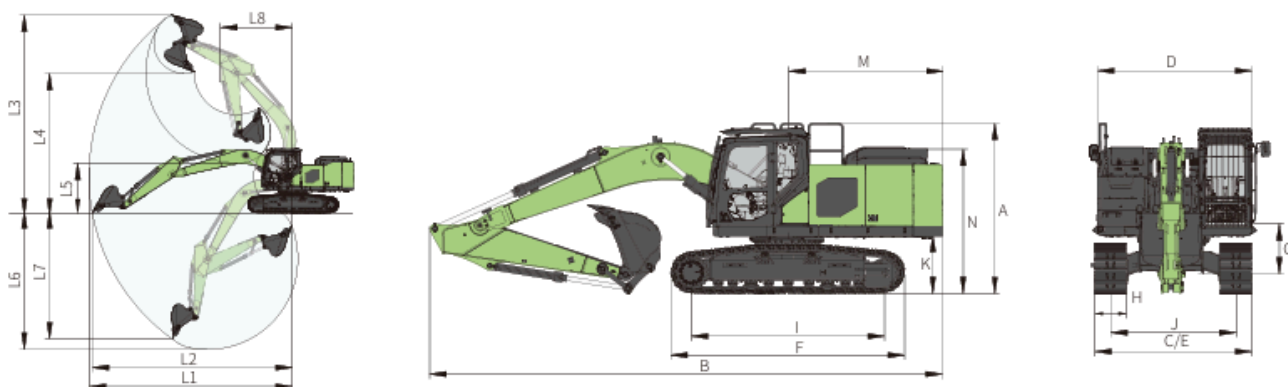


# XE215EV

## Electric Excavator



- Its powerful electric drive system and zero-emission performance make it ideal for environmentally sensitive and noise-restricted areas
- IP68 protection, automatic lubrication, multiple attachment modes, and high-definition camera system
- Enhanced structural design delivers stable, low-cost productivity in the most demanding conditions
- High-efficiency permanent magnet motor and lithium iron phosphate battery with fast charging capabilities ensure reliable, long-lasting operation



## Technical Specifications

| Item contents                             | Unit   | Parameters             |
|-------------------------------------------|--------|------------------------|
| Operating weight                          | kg     | 23500                  |
| <b>Engine</b>                             |        |                        |
| Electric motor type                       | -      | Permanent magnet motor |
| Rated power/rpm                           | kW/rpm | 120/1895               |
| Protection class                          | -      | IP68                   |
| Insulation class                          | -      | H                      |
| Cooling method                            | -      | Liquid cooling         |
| <b>Battery pack</b>                       |        |                        |
| Battery type                              | -      | Lithium iron phosphate |
| Battery voltage                           | V      | 618                    |
| Battery capacity                          | kWh    | 422.87                 |
| Fast charging time                        | h      | 1.5                    |
| Fast charging power                       | W      | 247200                 |
| Heating method                            | -      | Hydrothermal           |
| Cooling method                            | -      | Liquid cooling         |
| <b>Hydraulic system</b>                   |        |                        |
| Main pump                                 | -      | Two variable pumps     |
| Pilot pump                                | -      | Gear pump              |
| Maximum flow rate of main system          | L/min  | 2 × 216                |
| Main system pressure                      | MPa    | 34.3                   |
| Main system pressure (power-max pressure) | MPa    | 37                     |
| Pilot system pressure                     | MPa    | 3.9                    |
| Travel system pressure                    | MPa    | 34.3                   |
| Swing system pressure                     | MPa    | 28                     |
| Hydraulic oil tank capacity               | L      | 150                    |
| <b>Main performance</b>                   |        |                        |
| Travel speed (high/low)                   | km/h   | 5.4/3.3                |
| Swing speed                               | r/min  | 12                     |
| Maximum swing torque                      | kN-m   | 70                     |
| Gradeability                              | -      | 35° ( 70% )            |
| Ground specific pressure                  | kPa    | 46.2                   |
| Bucket digging force (SAE)                | kN     | 149                    |
| Arm digging force (SAE)                   | kN     | 111                    |
| Maximum traction force                    | kN     | 200                    |
| <b>Track</b>                              |        |                        |
| Standard track shoe width                 | mm     | 600                    |
| Number of track shoes (per side)          | -      | 49                     |
| Number of track roller (per side)         | -      | 9                      |
| Number of track carrier roller (per side) | -      | 2                      |

| Item contents                     | Unit           | Parameters                  |
|-----------------------------------|----------------|-----------------------------|
| <b>Dimensions</b>                 |                |                             |
| A Overall height                  | mm             | 3145                        |
| B Overall length                  | mm             | 9720                        |
| C Overall width                   | mm             | 2990                        |
| D Upper structure width           | mm             | 2940                        |
| E Chassis width                   | mm             | 2990                        |
| F Track length                    | mm             | 4440                        |
| G Track height                    | mm             | 940                         |
| H Standard track shoe width       | mm             | 600                         |
| I Track wheelbase                 | mm             | 3649                        |
| J Track gauge                     | mm             | 2390                        |
| K Counterweight ground clearance  | mm             | 1100                        |
| L Minimum ground clearance        | mm             | 490                         |
| M Tail swing radius               | mm             | 2950                        |
| N Hood height                     | mm             | 2772                        |
| <b>Working range</b>              |                |                             |
| L1 Maximum reach                  | mm             | 9940                        |
| L2 Maximum reach at GRP           | mm             | 9800                        |
| L3 Maximum digging height         | mm             | 9620                        |
| L4 Maximum unloading height       | mm             | 6780                        |
| L5 Minimum unloading height       | mm             | 2420                        |
| L6 Maximum vertical digging depth | mm             | 6145                        |
| L7 Maximum digging depth          | mm             | 6680                        |
| L8 Minimum swing radius           | mm             | 3530                        |
| <b>Cab standard</b>               |                |                             |
| ISO 12117-2: 2008 (ROPS)          | -              | √                           |
| <b>Standard</b>                   |                |                             |
| Length of boom                    | mm             | 5680                        |
| Length of arm                     | mm             | 2910                        |
| Bucket capacity                   | m <sup>3</sup> | 1.05<br>(Reinforced bucket) |
| <b>Optional</b>                   |                |                             |
| Length of boom                    | mm             | -                           |
| Length of arm                     | mm             | -                           |
| Bucket capacity                   | m <sup>3</sup> | 1.2<br>(Earthmoving bucket) |



Ref. E/UK/150/English/2024-06/01

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