

ZAXIS ELECTRIC 85

Reliable Solutions



ZX85-6EB Data Sheet

The ZX85-6EB underlines our commitment to minimising the environmental impact of our equipment and creating a sustainable future for all. The eight-tonne electric excavator enables you to work with zero emissions, low noise levels and in small spaces, which makes it ideal for urban environments and low emission zones. It has fewer maintenance requirements and less downtime than conventional diesel models.

The new Zaxis-6 based electric model can operate on battery power using 100kWh lithium-ion batteries, or can be connected via cable to a CEE 400VAC 3-phase power source. It has an average running time of 5.5 hours (depending on the application) and the battery can be fully recharged in 45 minutes using the optional Combined Charging System (CCS) Type 2.

Rated power: 40 kW

Operating weight: 8 750 kg

Bucket ISO heaped: 0.28 m³

Discover the benefits

- ✓ Continuous operation with lithium-ion battery or wired on CEE 400VAC 3-phase power source.
- ✓ Extended operation with 33 kWh optional battery and CCS Type 2 for faster recharge.
- ✓ Zero-emission performance for urban job sites.
- ✓ Low noise levels allow for greater flexibility to work outside of conventional hours.
- ✓ Reduced maintenance costs contribute to a lower total cost of ownership.
- ✓ Air conditioning ensures a comfortable cab.
- ✓ Exceptional safety – the rear-view camera enhances visibility.



Scan the QR code to view the movie of the ZX85-6EB

SPECIFICATIONS

Motor	
Motor	Phi Power Ph381
Battery capacity	100 kWh (+option 33 kWh)
Onboard charger output	2 x 22 kW (+option CCS Type2 150 kW)
Rated power	40 kW @ 1900min ⁻¹
Sound level	In cab (according to ISO 6396) LpA 64.7 dB(A) External (according to ISO 6395 and EU Directive 2000/14/EC) LwA 93 dB(A)
Hydraulic system	
Hydraulic pumps	
Main pumps	3 variable displacement axial piston pumps
Maximum oil flow	2 x 72 L/min – 1 x 56 L/min
Pilot pump	1 gear pump
Maximum oil flow	20.0 L/min
Hydraulic motors	
Travel	2 variable displacement axial piston motors
Swing	1 axial piston motor
Relief valve settings	
Implement circuit	26.0 MPa (265 kgf/cm ²)
Swing circuit	26.5 MPa (270 kgf/cm ²)
Travel circuit	31.4 MPa (320 kgf/cm ²)
Pilot circuit	3.9 MPa (40 kgf/cm ²)
Bucket and arm digging force	
Bucket digging force	55.0 kN (5 600 kgf)
Arm crowd force	32.0 kN (3 300 kgf)
Operating weight and ground pressure	
Shoe type	Rubber / Grouser / Pad
Shoe width	450 mm
Arm length	2.12 m
Operating weight	8 750 kg
Working ranges	
Arm length	2.12 m
Maximum digging reach	6.92 m
Maximum digging depth	4.61 m
Maximum dumping height	5.51 m
Dimensions	
Undercarriage length	2.92 m
Undercarriage width	2.32 m
Swing radius	1.60 m
Overall height of cab	2.69 m
Overall width	2.32 m

Prior to operating this machine, including the satellite communication system, in a country other than a country of its intended use, it may be necessary to make modifications so that it complies with the local regulatory standards (including safety standards) and legal requirements of that particular country. Please do not export or operate this machine outside the country of its intended use until such compliance has been confirmed. Please contact your Hitachi dealer in case of questions about compliance.

These specifications are subject to change without notice.

Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in colour and features. Before use, read and understand the Operator's Manual for proper operation.