

Mini Excavator 18Q



CE

EPA *EURO5*



The small - sized excavator 18Q with its design and innovation, meets powerful performance.

I. Performance

1. Excavation - related Performance

○ The maximum digging height reaches 3144mm, the maximum digging depth is 2011mm, and the maximum digging radius is 3649mm, which can effectively handle various excavation tasks.

○ The max. digging force is up to 10kN, ensuring sufficient strength during excavation operations.

2. Operating Performance

○ The climbing angle is 30° , with a total length of 3244mm, total width of 1150mm, total height of 2314mm, and operating weight of 1800kg. These parameters ensure good passability and stability in different working conditions.

○ Equipped with a foot - operated crusher, mounted safety lock, and LED LCD display, it enables convenient and efficient operation while facilitating real - time monitoring of the working status.

3. Functional Performance

○ Comes with an EPA - compliant KUBOTA D1105 engine, supporting functions such as excavation, breaking, ditch cleaning, and drilling. The LED LCD display helps monitor the working status in real - time.

II. Design and Configuration

1. Engine and Key Configurations

○ Fitted with an imported LAIDONG KM385B engine, compatible with steel tracks as an option. It meets EPA and CE certifications.

○ The standard configuration includes the LAIDONG KM385B engine, imported oil cylinders and oil pipes with built - in NOK sealing rings, etc. Optional add - ons: hammer, ripper, log grapple, etc.

2. Human - centered Design

○ The mounted safety lock and adjustable driving seat ensure safe and comfortable operation.

○ Compact dimensions (transportation length 3244mm, etc.) enable easy transportation and operation in narrow spaces.

III. Reliability and Maintenance

1. Component Quality

○ Adopts high - grade materials and processes: uses thicker high - quality steel and applies plastic molding process for anti - rust and anti - corrosion.

○ The oil cylinders are equipped with built - in NOK sealing rings, and the tracks use wear - resistant engineering rubber tracks, ensuring long - term reliability.

2. Maintenance Advantages

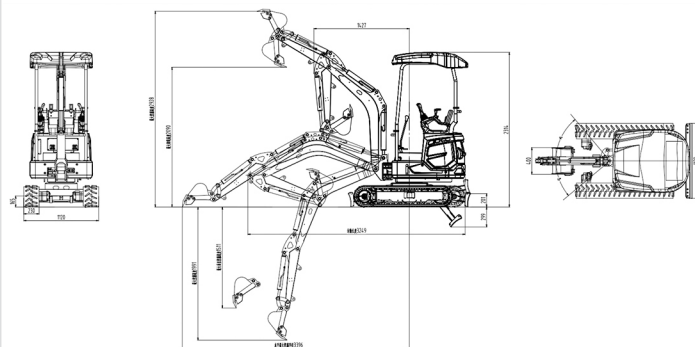
○ After opening relevant covers (such as the hood), maintenance is convenient. The design of internal oil pipes helps reduce maintenance time and cost, facilitating daily maintenance operations.

Dimensions

Machine Length	3249mm
Machine Width	1120mm
Machine Height	2314mm
Machine Weight	1250kg
Track model	230*72*43
Track width	230mm
Standard bucket capacity	0.025m ³
Standard bucket width	400mm
Max. digging force (bucket)	9KN
Max. digging depth	1991mm
Max. vertical digging depth	1511mm
Max.digging height	2928mm
Max.unloading height	2090mm
Horizontal max. digging radius	3396mm
Front min.rotation radius	1427mm
Minimum ground clearance	201mm

Performance

Engine brand	KUBOTA
Engine model	D722
Power	13.9HP
Hydraulic Pump Type	Double gear pump
Hydraulic Pump Flow	20/26.4L/Min
Hydraulic System Pressure	16MPa
Hydraulic Reservoir	16L
Travel speed	1.8Km/h
Rotation speed	9.5rpm
Gradeability	20°



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- ① Hydraulic pilot operation
- ② Operation safety lock
- ③ Throttle cable
- ④ LED headlight
- ⑤ Hidden hydraulic tubing
- ⑥ Shut - off valve
- ⑦ Heat dissipation holes
- ⑧ Turntable
- ⑨ Foot - operated crusher
- ⑩ Oil cylinder top - mounted
- ⑪ Front shovel thickening