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New 1 to 2 Tonne Mini-Excavators from Bobcat

Waterloo, Belgium. Hard on the heels of five new excavator products launched in the last 18 months, **Bobcat** continues the fast pace in excavator development with the launch of the new **E14 and E16 mini excavators**. Designed to be easy to transport, both models offer smooth, powerful performance and increased reliability and durability.

Featuring as standard a retractable undercarriage, the E14, equipped with canopy and bucket, has an operating weight of 1303 kg and offers a maximum digging depth of 2301 mm. Thanks to its light weight, the E14 can be transported easily on a trailer towed by a small truck, van or even a mid-size passenger car.

The E16 is available in two versions. Equipped with canopy and bucket, the E16 base model with fixed undercarriage has an operating weight of 1515 kg and offers a maximum digging depth of 2422 mm. Equipped with canopy and bucket, the E16 with the optional factory installed retractable undercarriage and long dipperstick has an operating weight of 1555 kg and offers a maximum digging depth of 2602 mm.

The E14 and E16 feature smooth hydraulics for precise movements and faster cycle times. A new workgroup offers a longer reach and greater digging depth, enhancing the ability to work close to the machine in tight working areas.

Both the E14 and E16 models utilise the 'cylinder-over-boom' design. Since the cylinder is mounted on top of the boom, it is protected when working in tight spaces or with attachments. The oversized diameter of the cylinders in the E14 and E16 enhances the breakout forces and lifting capacities of the machines. Both the E14 and E16 are able to dustpan on the front for extra versatility.

The auxiliary hydraulic lines and workgroup hoses are mounted inside the boom and arm for optimal protection and enhanced visibility. The E14 and E16 offer simple installation for the hoses for attachments, which include a range of different sized digging and trenching buckets, grading buckets, hydraulic breakers, augers and the Bobcat hydraulic clamp attachment.

The E14 and E16 are powered by the 3-cylinder 9.9 kW Kubota D722 engine. High digging performance is enhanced by the stability provided by the dozer blade and the low centre of gravity of the machines.

The E14 and E16 offer low noise and vibration levels, superior operator comfort, ease of serviceability and ruggedness. The operator's area in the cab is very spacious and the large door width together with the low position of the superstructure provide easy access to the cab.

Contributing to the high durability of the machines is the rear protection provided by the thick metal tailgate, an important feature for demanding applications in equipment rental, demolition and the construction industries.

Other features that contribute to the superior durability of the E14 and E16 are the steel side covers; protection for the blade cylinder; the use of three rollers in the track system to optimise rubber track life; and the low vibration levels.

Brief specifications

E14

Operating weight with canopy, rubber tracks and 400 mm bucket: 1303 kg
Operating weight with cab, rubber tracks and 400 mm bucket: 1432 kg
Towing weight of cabbed E14 with extra bucket: 1462 kg
Digging depth: 2301 mm
Dump height: 2318 mm
Reach at ground level: 3936 mm
Maximum travel speed: low range – 2.1 km/h; high range (**optional**) – 3.5 km/h
Auxiliary hydraulic flow: 32.5 l/min
Undercarriage width: retracted – 980 mm; expanded - 1330 mm
Engine: 3-cylinder Kubota D722-E2B-BC-5 diesel engine, 9.9 kW at 2500 rpm
Overall dimensions: 2157 mm high x 980 mm wide x 3753 mm long in transport position

E16 – base model with fixed undercarriage

Operating weight with canopy, rubber tracks and 400 mm bucket: 1515 kg
Operating weight with cab, rubber tracks and 400 mm bucket: 1644 kg
Towing weight of cabbed E16 with extra bucket: 1674 kg
Digging depth: 2422 mm
Dump height: 2529 mm
Reach at ground level: 4101 mm
Maximum travel speed: low range – 2.9 km/h; high range – 4.8 km/h
Auxiliary hydraulic flow: 30 l/min
Undercarriage width: 980 mm
Engine: 3-cylinder Kubota D722-E2B-BC-5 diesel engine, 9.9 kW at 2500 rpm
Overall dimensions: 2171 mm high x 980 mm wide x 3925 mm long in transport position

E16 – with retractable undercarriage and long dipperstick

Operating weight with canopy, rubber tracks and 400 mm bucket: 1555 kg
Operating weight with cab, rubber tracks and 400 mm bucket: 1684 kg
Towing weight of cabbed E16 with extra bucket: 1714 kg
Digging depth: 2602 mm
Dump height: 2656 mm
Reach at ground level: 4276 mm
Maximum travel speed: low range – 2.9 km/h; high range – 4.8 km/h
Auxiliary hydraulic flow: 30 l/min
Undercarriage width: retracted – 980; expanded – 1360 mm
Engine: 3-cylinder Kubota D722-E2B-BC-5 diesel engine, 9.9 kW at 2500 rpm
Overall dimensions: 2171 mm high x 980 mm wide x 3904 mm long in transport position

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