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Bobcat Introduces New 8-tonne Crawler Excavator

Waterloo, Belgium. The new **Bobcat E80 crawler excavator**, which forms the latest extension to the range of Bobcat excavators, has been designed to offer optimum value to the customer through high performance with fuel efficiency, durability, operator comfort and easy serviceability.

Equipped with a cab, standard dipperstick and steel tracks, the E80 has an operating weight of 8380 kg. Equipped with a cab, standard dipperstick and the optional rubber tracks, the E80 weighs 8330 kg. The maximum digging depth of the E80 is 4150 mm, the maximum dump height is 4720 mm and the maximum reach is 6965 mm. A long dipperstick is available as an option.

The E80 is designed for easy, precise controllability. The controls have been arranged to ensure convenience and comfort for the operator and maximum operating efficiency. The hydraulic joystick levers have comfortable grips that allow the operator to perform smooth, precise operations. A boom safety valve and overload warning device are standard equipment.

The dipperstick cylinder is sized to provide enhanced excavating force and jack up performance. The swing bracket and the size of the boom swing cylinder ensure powerful and stable boom swing performance.

With a low noise level of 74 dBA in the cab, the E80 offers optimum operator comfort. A high capacity heating and air conditioning system is standard, with fully adjustable vents installed at both the front and rear of the operator's seat to maximize efficiency. Another standard feature is an electric refuelling pump.

The space in the operator cab of the E80 excavator is similar to that found on bigger machines. The cab has a large entrance and exit, giving good access to get into and out of the machine. The interior of the cab has been designed to optimise operator comfort, and the openness of the cab provides a wide field of view and excellent all around visibility. The cab lighting, sun visor and side mirror contribute to a safe and convenient working environment for the operator.

The position and angle of the seat cushion as well as the position of the consoles can be adjusted to suit the operator. Additional comfort is provided by the lumbar support. A seat heater is available as an option.

The instrument panel provides comprehensive information about the status of the E80 in an easy-to-read format. The display panel, which is waterproof, enables the operator to see all information at a glance, without losing attention to the working area. The left and right control stands are ergonomically placed for convenient operation.

The E80 is powered by a 40.4 kW Yanmar liquid-cooled diesel engine running at a maximum governed speed of 2000 rpm. Electronic injection together with Auto Idle ensure optimum fuel efficiency at all times. The low noise and emission levels of the E80 make it suitable for operation in noise sensitive areas and at night.

High engine power and high swing torque ensure that the E80 can work efficiently on slopes. In addition, the zero tail swing design and the boom swing function allow the E80 to work well in tight areas.

Maintenance procedures for the E80 are simple. Convenient check points make it easy to do routine maintenance, while a tilting cab simplifies service work.

The large-capacity radiator enables performance in severe and continuous operations. Access to the radiator and cooler is easy, making cleaning simple. The various parts of the engine can be accessed from the side, with the engine oil and fuel filter attached to the engine body extending out for easy maintenance.

The large capacity two-stage forced air cleaner removes over 99% of airborne particles, reducing the risk of engine contamination and lengthening the intervals for cleaning and cartridge change. Integrated grease piping is designed for easy maintenance of the swing bearing and swing cylinder. The fuse box is conveniently located under the left-hand console. Sufficient space is provided for easy adjustment or replacement of the fan belt.

Brief specifications – Bobcat E80 excavator

Operating weight with cab and steel tracks: 8380 kg

Operating weight with cab and rubber tracks (optional): 8330 kg

Digging depth: 4150 mm

Reach at ground level: 6765 mm

Dump height: 4720 mm

Track width: 450 mm

Travel speed: low range – 2.9 km/h; high range – 4.6 km/h

Auxiliary hydraulic flow: 120.0 l/min

Engine: liquid-cooled Yanmar 4TNV98-ZWDB8 diesel engine, 40.4 kW at 2000 rpm

Overall dimensions: 2638 mm high x 2300 mm wide x 6167 mm long in travel position

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