Introducing the zero tail swing excavator 80NX.

The 80NX has joined IHI’s zero tail swing lineup. It incorporates the power of a 0.25m³-class hydraulic shovel into a compact size, with a crawler width of 2200mm and 6040mm length during transport. Naturally it offers the performance that is essential for a variety of projects in urban areas, and meets high standards to assure smooth operation at virtually any construction site.

80NX from IHI. The power and performance of a new world standard.
Slim turn with 2200mm tail swing.

Performance of a world standard
Compact size zero tail swing
Offers zero tail swing in an excavator with a 2200mm width, close to the reference model in this class – especially beneficial when working in tight spaces. During transport, the length is only 6040mm. Since there is less overhang when placed on a truck bed, it enables easier and safer transport from location to location.

Stability-conscious form
Its design puts the emphasis on stability. And by attaching the optional 400kg counterweight, stability is boosted even more. Count on it for the stability on a par with standard excavators.

Easy operation of a world standard
Smooth operation
Developed with precision operation in mind, the new control valve enables a high level of precision control. Also, to reduce the lowering of attachments, an anti-drift valve has been equipped as standard.

Shockless valve for rotation and travel
Use of a shockless valve provides smooth movement during rotation or when starting or stopping.

Comfort of a world standard
Cabin
This model is equipped with a hinged-door cabin with a roomy interior. You can choose between NX Type Cabin with minimal extrusion beyond the crawler when the door is opened, or the J Type Cabin which offers a wide opening door for easier entry and exiting.

Comfortable operating environment
The 80NX has been equipped with a high-back seat and suspension unit, known for their durability, solid feel and comfortable form. They support the operator, providing an operating environment with less fatigue and higher precision.

Blower type radiator fan
Equipped with a blower type radiator fan. Since heat that would otherwise accumulate under the operator’s seat is drawn out of the cabin, it prevents hot air from saturating the interior.
BIG PERFORMANCE  EASY OPERATION

80NX

- Operating weight: 7600kg
- Bucket capacity: 0.11m³-0.28m³ (std.0.25m³)
- Crawler width: 2200mm
- Tail swing radius: 1100mm
- Max. digging depth: 4200mm

Cabin shown is J Type

Additional counter weight is optional
IHI assures the safety you can rely on.

Eco-friendliness of a world standard

Environmentally friendly engine
The 80NX is equipped with an advanced engine that has been developed with the next wave of stricter regulations in Japan, U.S.A. and Europe taken into consideration.

Low noise design
Low noise has been achieved through advances in engine cover, sound insulation, and radiator fan design.

Easy maintenance of a world standard

Simplified maintenance
Checking and maintenance of the engine is made simpler thanks to the fully opening engine cover. Also, an automatic air bleeder is equipped as standard. Since the upper frame’s left cover is detachable, the control valve can be easily accessed for servicing. With an inspection cover on the right side of the operator’s seat, fueling, as well as battery inspection and replacement, can be done with ease. A tool box to store a grease gun and other tools is also equipped.

Protective features of a world standard

Improved durability
By enlarging the swing bracket pin, a higher degree of durability was attained. A derail-resistant metal has been incorporated into the crawler. Wear and tear of the inside surface of the rubber crawler has been reduced by re-shaping the space between the rollers of the lower frame.

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Bucket capacity
0.11m³-0.28m³
(≈0.25-0.65yd³)
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Cabin shown is J Type
Large dozer blade
A large, 500mm-high dozer blade is equipped as standard. It makes bulldozing easier and offers high durability. Tough, square tubular metal has been used for the arms.

Attachment hose storage
Allows the arm and bucket cylinder hose to be completely stowed, while positioning the boom cylinder hose to the rear, thereby minimizing wear and tear on the hoses.

Link chain rubber roller (optional)
The link chain rubber roller is available optionally. This minimizes the possibility of shoe dislocation, and looks smoother from the outside.

Safety of a world standard
Swing parking brake
Eliminates swing drift on inclined surfaces, and makes a swing lock mechanism unnecessary during transport.

Gate lock
A safety gate lock that inhibits misoperation while entering or exiting the operator’s seat has been equipped.

Seatbelt
To ensure operator safety, a seatbelt has been equipped as standard.