



DEVELON DX27Z-7M Mini-Excavator

IMAGE SOURCE: DEVELON

DEVELON Launches New Generation DX27Z-7M Mini-Excavator

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- DEVELON (formerly Doosan Construction Equipment) has launched the new DX27Z-7M 2.8 tonne Stage V compliant mini-excavator for the Brazilian market.
- The DX27Z-7M provides a larger working range, higher lifting capacities, and digging forces than the previous generation and other mini-excavators in the market.
- The new model comes with the latest version 3.0 of the DEVELON Fleet Management system as standard, making it the smallest model in the DEVELON range with this system.

- The DX27Z-7M features a new shared global styling, a novel platform design, and a new upper structure for increased durability and robustness.
- The mini-excavator is powered by the DEVELON DN1.7 Stage V compliant diesel engine, offering the highest power and torque in its class.
- The DX27Z-7M has a high auxiliary flow of 76.8 l/min, newly designed cast counterweights for balance and stability, and a long arm option with a 100 kg additional counterweight.
- The machine incorporates a new dozer blade and dozer lever, offering higher dozer lifting height and dozer digging depth than other machines on the market.
- The DX27Z-7M features a new larger, roomier cab with a full glass entry door, high luminance LED work lamps, and a host of innovative features for operator comfort and controllability.
- The new cab includes an enhanced heating and AC system, RADIO+MP3 (STEREO), 5.7 inch Touch Screen, mechanical suspension leather seat, thumbwheel joystick, auxiliary flow control (10 steps), cup holder and power socket, foldable pedals, and travel speed switch on Dozer lever.
- The DX27Z-7M mini-excavator incorporates a new EPPR valve for two-way and optional rotating functions, providing the operator with 10-step proportional control of the hydraulic flow rate via the thumbwheel joystick.

- The DX27Z-7M expands DEVELON's new mini-excavator family -

DEVELON (formerly known as Doosan Construction Equipment) has announced the launch of the new DX27Z-7M 2.8 tonne Stage V compliant mini-excavator for the Brazilian market. This new model provides a larger working range than the previous generation machine as well as other mini-excavators in this part of the market, together with higher lifting capacities and digging forces.

DEVELON Fleet Management

Another important feature of the new generation DEVELON mini-excavator range is the installation as standard of the latest version 3.0 of the DEVELON Fleet Management system, which provides a telematics management system for the excavators, by collecting data from sensors on the machines. The DX27Z-7M mini-excavator is now the smallest model in the DEVELON range with the successful DEVELON Fleet Management system.

Featuring the new shared global styling for the next generation DEVELON mini-excavator range, the novel platform design and new upper structure in the DX27Z-7M provide increased durability and robustness. The zero tail swing design of the DX27Z-7M makes it ideal for work in confined spaces on construction, landscaping and utility projects.

The DX27Z-7M is powered by the DEVELON DN1.7 Stage V compliant diesel engine providing 18.4 kW (24.7 HP) of power at 2400 RPM. As a result, the new mini-excavator offers the highest power and torque in its class and covers a wide range of applications including heavy duty work.

The DX27Z-7M also offers a high auxiliary flow of 76.8 l/min to enhance work with attachments. Newly designed cast counterweights ensure excellent machine balance and stability when working. A long arm option is available with a 100 kg additional counterweight in the DX27Z-7M.

The boom swing angle and swing radius are better than or equal to other machines in this class. Visibility and workability are improved by increasing the bucket protrusion distance beyond the tracks. Placing the boom swing cylinder on the left hand side of cab allows the operator to work right up against walls and other structures on the right hand side of the machine. The fuel tank and boom swing cylinder have been positioned at the base of the cab, with the Main Control Valve (MCV) now on the right side of the machine, improving visibility for maintaining and working on the MCV.

New Dozer Blade and Dozer Lever

The DX27Z-7M mini-excavator incorporates a new dozer blade providing both a higher dozer lifting height and dozer digging depth than other machines on the market. The DX27Z-7M also has a new dozer blade control lever.

Using the dozer lever, the operator can select between low and high speed for the levelling blade hydraulics. Travel speed can also be selected by using the travel selector button on the dozer lever. When hydraulic oil pressure rises due to going up a slope while driving in the high speed mode, the travel speed auto-shift valve automatically resets the travel speed to low, to enhance the operator's driving convenience and to reduce machine stress.

As well as offering the best performance, versatility, durability and ease of maintenance in the 2 tonne range, the DX27Z-7M mini-excavator features a new larger, roomier cab, providing excellent operator comfort and controllability.

New High Comfort Cab

The new DX27Z-7M mini-excavator is packed with a host of innovative features. Nowhere is this more evident than in the new high comfort cab, which has a full glass entry door to maximize operator visibility on this side of the machine from inside the cab. The high luminance LED work lamps on the cab further enhance visibility and additional LED lamps are also available as an option. Key features of the new cab include:

- An enhanced heating and AC system
- RADIO+MP3 (STEREO)
- 5.7 inch Touch Screen
- Mechanical suspension leather seat
- Thumbwheel Joystick
- Auxiliary flow control (10 steps)
- Cup holder and power socket
- Foldable pedals
- Travel speed switch on Dozer lever

The enhanced heating and AC system is the best on the market, providing more nozzles to direct warming and cooling air, including both front and rear pillar nozzles that together help to improve the system performance. Larger nozzles are also used to ensure direct and sufficient airflow for operators and manual adjustment of the opening/closing of the nozzles is also possible.

In the DX27Z-7M mini-excavator, a new EPPR valve is incorporated for two-way and optional rotating functions, that provides the operator with 10-step proportional control of the hydraulic flow rate via the thumbwheel joystick.

Source: DEVELON

MINI EXCAVATORS