

DEVELON

-5 Series

Material Handlers

DX210WMH-5 / DX225MH-5 / DX250WMH-5 / DX300MH-5



DEVELON

Continuous evolution, for better.

We trace our roots to 1937 as one of Korea's first large-scale machine plants. During that time, we have consistently delivered earth-moving equipment to build critical infrastructure for the betterment of communities, societies and the wider world.

**We are
DEVELON.**

DEVELON is a bold name that reflects our core ambition to continue developing onwards and leaving behind a positive footprint in our world. Moving forward, we will continue providing innovative products and solutions that advance the world we live in today.



Your Local Dealer Is Dedicated to Your Success.

Your local DEVELON dealer is here for you: helping to solve your unique business challenges and advance the development of your community. Our dealers provide a full lineup of highly productive and fuel-efficient equipment, outstanding value and comprehensive services to help build your success.

Expanding Equipment Lineup

DEVELON continues to expand our innovative and durable lineup of equipment, providing more of the resources you need to take on a variety of projects and expand your business. Talk with your dealer to find the right equipment, attachments and technologies to move ahead.

Authorized DEVELON Service Technicians

You can count on experienced and highly skilled professional technicians from your local dealership to keep your valuable DEVELON equipment running at peak performance. You'll get responsive service, reliable parts and trusted advice.

Parts Availability

With two DEVELON-exclusive parts distribution centers in Georgia and Washington state, your dealer can offer more parts inventory and faster delivery — including less than two-day delivery on a majority of genuine DEVELON parts.

Machine Assembly Facility

A dedicated facility in Savannah, Georgia, tailors the equipment configuration and final machine assembly for faster delivery to your dealership.



DEVELON Material Handlers.

Built for challenging scrap and solid waste, recycling and other bulk material handling, DEVELON material handlers offer a powerful combination of performance, efficiency, durability and comfort. With one of the most dependable, efficient and comfortable material handlers on the market, you'll move more material every day.



Comfort

- Automotive-Style Heat and Air Conditioning
- LCD Display Panel
- Sound-Isolating Cab Seal

Configuration

- Straight Boom and Droop Nose Arm (DX210WMH-5, DX250WMH-5)

Maximum Visibility

- Cab Risers
- Standard Rearview Camera

Durability

- Machine Guarding
- D-Channel Frame Design
- Permanently Sealed, Lubricated Track Pins (Select Models)
- Automatic Belt Tensioner

Advanced Capabilities

- Lift Work Mode
- Fast Cycle Times
- DEVELON Fleet Management

Powerful Performance to Move More Material.

Made for scrap, solid waste, recyclables and other bulk materials, DEVELON material handlers offer powerful hydraulic forces with high horsepower and torque to move mountains of material. Powerful arm forces allow you to quickly, precisely tackle more cubic feet of material each day.



Lifting Capacity

Lift more with each cycle and complete the job faster. DEVELON material handlers are designed to maximize lifting capability. With an optimal loading reach, loading height and lift position, you can lift and place material with total confidence.

Straight Boom and Droop-Nose Arm
The straight boom improves reach and lift height for better material placement, while the droop-nose arm gives enhanced access to containers, trucks and railcars.

Arm Forces
Superior hydraulics deliver ample power to the arm and bucket for lifting and loading heavy material.

More Horsepower
Optimized horsepower gives you better performance for tough applications and heavy objects.

Swing Torque
DEVELON models have strong and productive swing torque that allows the material handler to swing heavy loads quickly, even uphill.

Lift Work Mode
Set a lift work mode that provides increased pump torque, low engine rpm and an automatic power boost to optimize work group performance for maximum productivity.

Wheel Undercarriage
For jobsites requiring more mobility and maneuverability, the wheel undercarriage on the DX210WMH-5 and DX250WMH-5 makes every corner of your jobsite more accessible. An ergonomic steering wheel makes it simple and intuitive to control machine movement.

Front and Rear Stabilizers
Stabilizers widen the machine's footprint, providing support that maximizes lift capacity and productivity.

Rear Fixed Axles
The rear axle is fixed for excellent controllability and easy maintenance. The transmission is mounted to the rear axle for optimal ground clearance and protection from obstacles.



One-Touch Power Boost
A convenient button on the right-hand joystick provides momentary increased hydraulic power for use on difficult loads that can slow other machines down.



Selectable Power Modes
Selectable power modes give you more control over your material handler's performance. Manage the balance of fuel consumption and machine power to your preference and customize performance to the task.

- **Power+** delivers the fastest work group speeds to save more time when loading trucks, railcars and containers.
- **Power** provides excellent power and superior performance for heavy lifting. It also provides quick truck loading and fast travel speed to save time.

- **Standard** optimizes your fuel consumption and delivers high performance for lifting.
- **Economy** reduces fuel consumption for low-demand applications and slows down machine movement, which is handy for tight-fitting areas that require extra precision.

Work More Efficiently With Every Move.

Each DEVELON material handler delivers fast cycle times, productivity and help you maximize operator productivity to help you move more in less time.

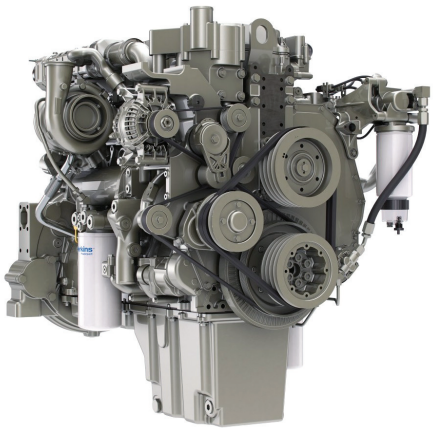


Fast Cycle Times
Two variable displacement axial piston pumps deliver superior cycle times while hydraulic flow regeneration maximizes efficiency. Robust hydraulics deliver ample power to the arm and grapple, allowing for fast, efficient material placement.

Fuel Efficiency
The DEVELON material handler's efficient horsepower curve delivers increased torque while using less fuel. Its high-pressure common-rail (HPCR) fuel injection system aids in reducing emissions and allows the Tier 4-compliant engine to save fuel and improve performance.

Tier 4 (T4) Compliance
Optimized to provide more power output with reduced fuel consumption, DEVELON material handlers are designed with T4-compliant engines to reduce air pollution. The low-emission engine utilizes HPCR fuel injection for superior top-end performance and strong low-end torque rise.

Cooled Exhaust Gas Recirculation (CEGR)
CEGR recycles a portion of the engine exhausts to reduce oxygen (O) and lower the temperature in the combustion chamber. This reduces nitrogen oxide (NOx) emissions.



Auto Shutdown*
When auto shutdown is enabled, operators can configure the idle time before the material handler shuts down automatically – from three to 60 minutes – to save valuable fuel for more productive operation.

Auto Downshift
On the DX225MH-5 and DX300MH-5, auto downshift reduces hydraulic flow when turning, pushing and maneuvering – so the machine doesn't bog down during travel. When the load decreases, the material handler automatically shifts back into high range.

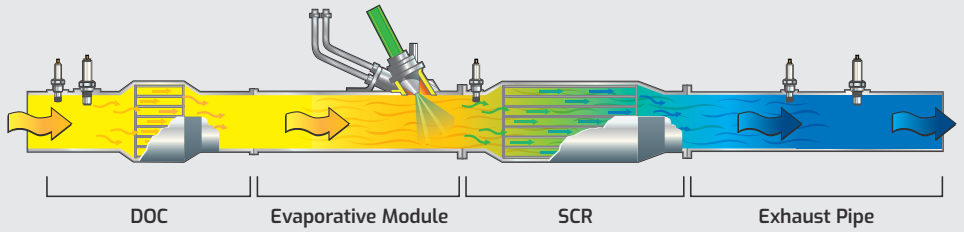
Auto Idle*
The standard auto idle feature automatically idles your engine when machine functions are not used for four seconds. This reduces noise, improves jobsite communications and saves fuel. When you move the controls, the material handler automatically returns to your previous throttle setting.



Optional Straight Travel Pedal
A straight travel pedal option allows you to travel in a straight line more easily, increasing your efficiency during travel. The optional straight travel pedal is available for the DX225MH-5 and DX300MH-5 models.

Diesel Oxidation Catalyst (DOC)
In the DOC, carbon monoxide (CO) and particulate matter (PM) emissions are transformed into harmless water (H²O) and carbon dioxide (CO²).

Evaporative Module
In the evaporative module, or mixing pipe, diesel exhaust fluid (DEF) solution is injected in small doses mixed with hot exhaust gases, decomposing it into urea (CO(NH₂)₂) and water vapor, which then catalyzes into carbon dioxide and ammonia (NH₃).



Selective Catalytic Reduction (SCR)
In the SCR canister, nitrogen oxides mix with ammonia and a chemical reaction takes place, resulting in nitrogen (N) and water vapor emitting from the system. The SCR canister also acts as the silencer or muffler.

Diesel Exhaust Fluid (DEF)
DEF is a solution of pure urea and deionized water. A minimum level of DEF is required for proper machine operation, and the DEF supply tank is heated for proper operation in cold weather. DEF is available from your DEVELON dealer in various container sizes.

Built to Withstand Harsh Jobsites.

DEVELON material handlers are well-protected with solid construction and heavy-duty features that keep you working productively with fewer repairs.



D-Channel Frame Design
This innovative upper-structure frame design adds strength to withstand more side shock and protect vital machine components.

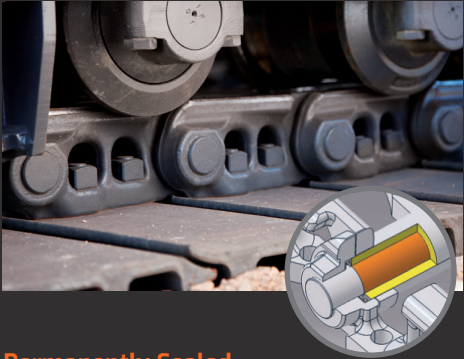


Variable-Speed Cooling Fan
The hydraulic oil cooler (DX300MH-5 only) utilizes a variable-speed, hydraulically driven cooling fan. The speed of the fan changes as required by the demands of your material handler. When doing harder work, the fan runs faster for optimized cooling. When you're in lighter-duty conditions, the fan runs slower to increase efficiency and reduce noise.

Automatic Belt Tensioner
A spring-applied automatic belt compensates for regular wear and maintains a constant tension on the engine accessory belt.

Air-to-Air Fuel Cooler
The air-to-air fuel cooler reduces fuel temperature to increase your machine's overall efficiency and protect engine components.

Split Cooling
The split cooling system (DX300MH-5 only) allows the oil cooler and radiator to operate independently to ensure optimal hydraulic system and engine temperatures, even in severe working conditions. The system increases cooling capacity while protecting and extending the life of engine components.



Permanently Sealed, Lubricated Track Pins
Pin links on tracked DEVELON material handlers are permanently sealed. They never need greasing. That means you reduce your operating costs and increase your uptime. (DX225MH-5, DX300MH-5)



Recessed Drive Motors
The drive motors are protected by a heavy-duty cover to protect mobility in severe conditions. On the outside of the tracks, the drive motors are recessed, offering further protection against potential damage while maximizing uptime. (DX300MH-5, DX225MH-5)



Machine Guarding
Strategic guarding on the DEVELON material handler protects components from harsh material and debris, minimizing downtime.

More Comfort Equals Added Productivity.

From great visibility to a deluxe, adjustable seat, DEVELON cabins are easy to enter and exit, and include a long list of standard features to bring superior comfort to any job.



Visibility

The cab has large front and side windows and narrow corner pillars with small window joints, plus a pillar-mounted wiper. An overhead window enhances your ability to see when loading trucks or working overhead, and a rearview camera improves visibility in back. Sunshades on the front and top windows shield the operator's eyes for improved visibility to the work area.



Adjustable Comfort

The standard air suspension seat has multiple adjustment points, allowing you to select the most comfortable position. The seat and control stand move with the suspension, maximizing comfort in all working conditions.

The DX210WHM-5 with steering wheel is shown here. Other material handlers have travel control levers and pedals.

Quiet Operation

A complete, sound-isolating seal reduces the noise inside the cabin to an extremely low level. The compartmentalized components reduce noise output outside the cab. Even the cabin frame and seat are designed to absorb vibration to significantly increase operator comfort.

Comfortable Cab

The spacious FOPS/ROPS cab is fully equipped with comfort features that include heating and air conditioning with adjustable airflow and five operating modes. The standard reclining, height- and weight-adjustable seat (with headrest, adjustable armrest and seat belt) offers excellent lumbar support. An optional heated seat sets the comfort standard even higher. The pressurized cab keeps the operator environment cleaner, too.

Other Cabin Features

- Improved floor space for your feet and increased cab space for your legs, arms and head
- 180-degree swinging door
- Wide entry/exit area
- Grab handles and punched panel steps
- Standard radio and whip antenna (CD player and MP3 player input optional)
- 12V power port
- Adjustable side window openings



Fixed Cab Riser

The standard, fixed cab riser provides an excellent view of your attachment and work area for maximum productivity. The cab and riser can be hydraulically lowered for transport. (DX225MH-5, DX300MH-5)



Hydraulic Elevating Cab

With increased hydraulically controlled variable cab height, you can set your vantage point for an optimal view of your attachment and work area. (DX210WHM-5, DX250WHM-5, standard) (DX225MH-5, DX300MH-5, optional)

Lighting Options

Optional lighting includes four LED working lights in front and two LED working lights in back to provide plentiful light before sunrise or after sunset.

Easy-to-Read LCD Display Panel

An easy-to-read, easy-to-reach LCD panel enables monitoring of critical machine data, such as coolant temperature, fluid levels, warnings and the rearview camera display. The display switches to a night view during low-light operation.

Automotive-Style Heat and Air Conditioning

High-capacity heating and cooling vents, and an easy-to-control temperature, keep you comfortable in every season. Automatic temperature control senses and adjusts to the temperature setting automatically. A memory function returns it to your preferred temperature if you shut the machine off and restart later.

Simple Controls

All DEVELON material handlers include ergonomic, proportional joystick-control levers and foot pedals.

Standard Rearview Camera

A rearview camera provides the operator with an additional means of viewing machine surroundings for enhanced productivity. An optional side camera is available, and both cameras can be viewed at once on the LCD panel.



Maintain Peak Productivity With Minimal Effort.

DEVELON simplifies material handler care with onboard diagnostic systems, easy component access and a standard fleet management system.



Easy Component Access

Access panels are easy to find and open from the top, bottom and sides of the material handler. A large engine bonnet provides plenty of room to reach the top of the engine, while a hinged belly pan allows access from the bottom. Solid steel side panels provide access to regular daily maintenance items, which makes for quick, easy service and a lower cost of operation.



Auxiliary Mode Switch

An auxiliary mode switch allows you to finish a task in progress or move your material handler to a more convenient location for service, if needed.

Color-Coded, Labeled Wiring

Wiring in the machine is labeled for easy service, fast troubleshooting and simple installation of electronic accessories — like the rotating beacon.



Self-Diagnostics

The LCD monitor helps you monitor critical systems in real time. Plus, you can access historical machine alerts right from the screen in the cabin.

Oil and Filter Life

Easily review the hours since the last maintenance for oils and filters. Ten hours before service is due, the machine will remind you when oils and filters need replacing, which helps ensure regular maintenance scheduling.



Centralized Arm and Boom Grease Points

Daily maintenance is critical — and it's simple with the centralized grease banks on the arm and base of the boom.



Emergency Stop Switch

The relocated emergency stop switch is easy to access from the machine's exterior.



DEVELON Monitoring System With Dealer Laptop Access

The DEVELON monitoring system is a diagnostic program that gives your dealer's technician a direct communications link with your material handler. During operation, it monitors all critical data and provides a complete history of operation and a real-time log of machine failures. Armed with information like this, your dealer service personnel can fix issues fast — and you can get back to work.

Standard Warranty

Your new DEVELON machine includes coverage for 12 months or 1,500 hours, whichever comes first, with parts and service support from your local authorized DEVELON dealer.

Protection Plus® Extended Warranty

Our DEVELON Protection Plus® extended warranty coverage allows you to customize coverage to meet your needs. On select machines, purchase up to 72 total months/10,000 total hours of warranty protection covering the full machine, powertrain or powertrain plus hydraulics.

Manage a Variety of Materials and Tasks.

For the best possible performance, DEVELON material handlers offer a variety of features that make attachment operation easy, intuitive and productive.



Attachment Management

Via the LCD screen, the operator can configure different attachment presets to limit the maximum pressure and the minimum/maximum flow rate delivered to the attachment. Password protection

functionality within the system prevents improper attachment preset selection for operators with limited understanding of hydraulic systems.

Control Pattern Change Valve
Change the preferred control pattern to match operator preferences.

Rotating Grapple-Ready
The DEVELON material handler is ready to work with a rotating grapple attachment. There are no additional hydraulics to install or add as an expensive option.

Grapple Attachment
Built for maximum power and reliability in harsh material-handling applications, the DEVELON grapple rotates 360 degrees and has four hydraulic tines to grab and hold tightly to large, irregularly shaped loads.

- Includes lift eye for an underslung magnet.
- Slew drive motor includes internal reliefs, hose kit and mount.
- Replaceable tine tips simplify maintenance.



Generator and Magnet
To increase versatility for ferrous metal sorting and loading, choose the 15kW generator set, available as a factory- or dealer-installed option. An optional deep-field magnet set is also available, and it can be slung under the grapple or connected directly to the arm.

DEVELON Fleet Management > Fixed Cab Riser > Rearview Camera > Centralized Arm and Boom Grease Points > Selectable Control Pattern > Automatic Belt Tensioner > Air-Suspension Seat > LCD Monitor



Premium Features Come Standard on DEVELON Material Handlers.

To compete and succeed, your equipment needs to maximize jobsite productivity and the bottom line. DEVELON machines do both. To ensure a high return on investment, we add more premium features as standard equipment on every model.

These features are often options that come with an additional cost from other manufacturers. By including them as standard, DEVELON gives you a competitive edge — helping operators work more efficiently and improving safety during the longest workdays.

DEVELON Fleet Management	Powerful telematics system makes it easy to remotely monitor and maintain your machine. It keeps track of the health, location and productivity of the equipment from a user-friendly app and website.
Fixed Cab Riser	Fixed cab riser provides an excellent view of the work area and machine attachment. (DX225MH-5 and DX300MH-5)
Rearview Camera	The rearview camera provides the operator with an additional view of the material handler's surroundings, increasing confidence and productivity.
Centralized Arm and Boom Grease Points	Centralized grease banks on the arm and base of the boom make regular maintenance more convenient.
Selectable Control Pattern	Operator can change the preferred control pattern to match individual preferences.
Automatic Belt Tensioner	Spring-applied automatic belt compensates for regular wear and maintains constant tension on the engine accessory belt.
Air-Suspension Seat	Seat has multiple adjustment points. The seat and control stand move with the suspension for maximum comfort.
LCD Monitor	LCD monitor displays critical machine data as well as the view from the rearview camera.

Monitor Your Equipment From Anywhere.

DEVELON Fleet Management is a powerful equipment diagnostic tool that monitors the health, locations and productivity of your DEVELON equipment from a user-friendly mobile app and website. It offers free monitoring with no contract and no fees.



- With DEVELON Fleet Management, You Can:**
- Help prevent theft with geofencing feature (GPS location tracking).
 - See when maintenance is due.
 - Customize alerts to your schedule.
 - Track oil pressure, operating temperature and more.
 - Use data to train your team for maximum productivity.

The data is uploaded automatically to the DEVELON Fleet Management online system using dual-mode communications (cellular) for maximum coverage. You can check on machine status from anywhere using the DEVELON Fleet Management website and mobile application. Your dealer can also see your equipment status to notify you when it's time for service.



Let us do the work for you to help protect your equipment investment. DEVELON Smart X-Care™ service gives you peace of mind knowing our experienced team is tracking your machine telematics and providing recommendations. **Talk to your dealer to learn more.**

Attachments

The DEVELON grapple attachment is designed to handle challenging scrap and recycling tasks to help you move more material quickly. Built to DEVELON machine specifications, it matches your material handler's load ratings and hydraulics for the best possible performance.



Grapple

- Built for maximum power and reliability in material handling applications, the semi-closed grapple easily handles hard-to-manage materials.
- Offers a firm grasp on materials with the four hydraulic tines, which rotate 360 degrees.
 - Designed with AR400 high-strength, abrasion-resistant steel for increased durability. The tine tips are replaceable for easier maintenance.
 - Includes a lift eye for an underslung magnet, and a hose kit and mount.
 - Features a slew drive motor with internal reliefs.

Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual DEVELON equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors. Pictures of DEVELON units may show other than standard equipment.

Powered by Innovation

DEVELON

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