

MX-series. Wheeled excavators.



MX14 TIER 4
MX16 TIER 4
MX18 TIER 4

Highly efficient wheeled city excavators. More compact than anything else on the market.

Key features

- Shortest swing circle on the market, from 3300 mm.
- Large spacious ROPS cabin.
- Powerful 167 hp Cummins Stage 4 with DOC- and SCR-catalyst.
- Powerful excavator with high digging speed and high breakout force.
- High level of equipment.

Technical Data.

Excavator

Compact excavator with two-piece boom for all models. Build in high tensile steel with closed profiles in lengths 2.0 m, 2.5 m and 3.0 m. Hydraulic quick hitch and tilt rotator as options.

Hydraulic system

Dual-circuit system with Load Sensing and high pressure hydrostatic swing system with separate pump. Electronic power control of the working hydraulics pump. Mode-Control for precision work and ECO-Mode for saving fuel. Up to 3 hydraulic options freely adjustable from the cab. Option 3: Oil flow priority. Freely adjustable pressure and oil quantity for up to 10 tools.

Oil quantities

Working hydraulics:	319	l/Min
Swing hydraulics:	88	l/Min
Hydraulic option 1 ZV1:	0-200	l/Min
Hydraulic option 2 ZV2:	0-100	l/Min
Hydraulic option 3 ZV3:	100-200	l/Min

Operation

Joysticks with 4 proportional servo functions, 1 proportional roller and 4 buttons. Optional hydraulics controlled by rollers. Two-piece boom operated with foot pedal independently of other features. Pressure and oil volume for optional hydraulics can be controlled electronically from the instrument panel. Up to 10 different configurations can be saved. Joysticks with 2 rollers and 5 buttons as optional equipment. Mode control for max. engine revs. with 4 modes. Adjustable idle stop.

Axles

ZF axles with 45% limited-slip differential lock and planetary reduction in the hubs. Brakes in all hubs for optimal digging brake. Front axle with center bolt and pendulum lock. Oscillating angle: +/- 8°

Engine

Cummins QSB 4.5L Stage 4 engine with DOC and SCR catalyyst with AdBlue ad. 16 valve Common-Rail Turbo diesel with intercooler, electronically variable turbo charger and EGR with cooling. Max power: 167 hp (123 kW) at 2000 rpm. Max. torque: 678 Nm at 1500 rpm. Fuel tank 300 L. AdBlue-tank: 19 L.

Brakes

Dual circuit system with oil immersed brakes all wheels. Parking brake integrated in transmission Automatic digging brake is standard.

Chassis

6 possible undercarriage variants:

- Rear dozer (A1)
- Front dozer (A1V)
- Front/rear dozer (2x A1)
- Front dozer/rear stabilizers (A3)
- Front stabilizers/rear dozer (A3V)
- Front/rear stabilizers (A4)

Driving hydraulics

Constant 4 wheel hydrostatic drive. Variable drive motor with brake valve. 2-speed soft shift power shift transmission for road and off-road gear.

Dimensions

		MX14	MX16	MX18
Machine weight (A1-variant)	kg	15.300*	16.700*	17.900*
Width over std. tyres, 10.00-20	mm	2530	2530	2530
Clearance height, cabin	mm	3120	3120	3120
Rear overhang, upper carriage	mm	1550	1640	1700
Swing radius, rear	mm	1733	1792	1839
Swing radius, front (L2.5)	mm	1990	1990	2060
Digging depth (L2.5)	mm	5410	5410	5830
Reach (L2.5)	mm	9320	9320	9720
Breakout force, bucket cylinder (ISO)	kN	106	106	138
Breakout force, stick (ISO)	kN	82	82	97
Max. bucket size	m ³	0,80	0,90	1,00

*Weight without bucket



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