

MX-series. Compact excavators.

MX14 MX16 MX18



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

Key features

- Most compact excavators in the 15 - 19 tonne class.
- Spacious ROPS cabin.
- Powerful 167 hp Cummins stage 3 with superior engine power.
- Excavator with high digging speed and high lifting capacity.

Technical Data.

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)

Excavator

Compact excavator with two-piece boom in high tensile steel for all models. Stick 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.

Driving hydraulics

Hydrostatic propulsion with constant 4-wheel drive. Variable drive motor with brake valve. 2-speed soft shift power shift trans for road and off-road gear.

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 4.5 Stage 3b engine with DOC catalyst.
Maximum performance: 167 hp (123 kW).
Maximum torque: 624 Nm at 1500 rpm.

Tank capacity: 380 l. Hydrostatic controlled variable radiator blade.

Hydraulic system

Dual-circuit system with Load Sensing and high pressure hydrostatic swing system with separate pumps. Electronic power regulation of pumps for working hydraulics. Mode-Control for precision work and ECO-Mode for fuel savings.

Up to 3 hydraulic options freely adjustable from the cab. 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

Brakes

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

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.

Dimensions

		MX14	MX16	MX18
Machine weight (A1-variant)	kg	15.700	17.100	18.400
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

