

MX G-series. Wheeled excavators.

MX14 MX16 MX17 MX18 MX20
G-SERIES



Efficient, powerful and stable wheeled city excavator. Excellent lifting capacity and very compact dimensions.

Key features

- Compact upper carriage offering very short tail swing radius from 1733 mm
- Large 10" touch display in the spacious ROPS cabin - low noise level at only 68 dB (A)
- Powerful 175 hp Cummins Stage 5 engine - high hydraulic output above 400 l/min.
- Strong excavator with high digging speed and high breakout force.

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 **HYDREMA**

Technical Data.

Excavator

Compact excavator with two-piece boom for all models. Build in high tensile steel with closed profiles. 2,0 M, 2,5 M or 3,0 M dipper available. Hydraulic quick hitch and tilt rotator as options.

Hydraulic system

Dual-circuit system with Load Sensing and high pressure hydrostatic slew system with separate pumps. Electronic power control of the pump for working hydraulics. Mode Control for precision work and ECO Mode for fuel economy. Up to 3 hydraulic circuits for implements (2 as stand.), adjustable from the cabin. Circuit 3 with priority of oil flow. Adjustable pressure and oil quantity for up to 10 tools.

OIL QUANTITIES:

Working hydraulics:	319	l/Min
Slew hydraulics:	88	l/Min
Hydraulic circuit 1, ZV1:	30-200	l/Min
Hydraulic circuit 2, ZV2:	15-100	l/Min
Hydraulic circuit 3, ZV3:	50-200	l/Min

Operation

Joysticks with 4 proportional servo functions, 1 proportional roller and 4 buttons. Optional hydraulics controlled by rollers. Two-piece boom, dozerblade and stabilizers operated with foot pedals independently of other features. Pressure and oil volume for optional hydraulics can be controlled electronically from the instrument panel. Joysticks with up to 3 rollers and 7 push buttons as option. Multi-adjustable armrests.

Driving hydraulics

Constant 4 wheel hydrostatic drive. Electrically controlled drive motor and retarder. 2-speed soft shift powershift transmission 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 excavation brake. Front axle with center bolt and pendulum lock. Oscillating angle: +/- 8°

Chassis

6 possible undercarriage variants:

- Rear dozer blade (A1)
- Front dozer blade (A1V)
- Front/rear dozer blade (2xA1)
- Front dozer blade/rear stabilizers (A3)
- Front stabilizers/rear dozer blade (A3V)
- Front/rear stabilizers (A4)

Brakes

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

Engine

Cummins B 4.5L Stage V engine with DOC, DPF and SCR catalyst with AdBlue additive. 16-valve Common-Rail Turbo-diesel with intercooler. Max. 175 hp (129 kW) at 2200 rpm. Max. torque: 780 Nm at 1500 rpm. 165 hp (121 kW) is achieved already at 1500 rpm. Fuel tank 280 L. Ad Blue tank: 31.5 L.

Cab

Spacious ROPS cab with sliding window in the door, 2-part front window with sliding top and removable bottom, skylight. Adjustable steering column and arm-rests. Air conditioning with 7 adjustable air nozzles. Air suspended seat. Large 10" display, simple to operate via touch or the display controller in the armrest. Rear view camera integrated into the display. Large rear view mirrors with electronic adjustment. Storage space under and behind the seat. Automatic entry and exit light.

Specifications

		MX14	MX16	MX17	MX18	MX20
Machine weight (A1) (MX20: A3)	kg	16.000*	17.300*	18.300*	18.700*	20.100*
Width over std. tyres, 10.00-20	mm	2530	2530	2530	2530	2530
Clearance height, cabin	mm	3120	3120	3120	3120	3120
Rear overhang, upper carriage	mm	1550	1640	1700	1700	1700
Swing radius, rear	mm	1733	1792	1839	1839	1839
Swing radius, front (L2.5)	mm	1870	1990	1990	2060	2060
Digging depth, (L2.5)	mm	4900	5410	5410	5830	5830
Reach, (L2.5)	mm	9045	9320	9320	9720	9720
Breakout force, bucket cyl. (ISO)	kN	106	106	126	138	138
Breakout force, dipper (ISO)	kN	70	82	82	97	97
Max. bucket size	m ³	0,80	0,90	1,00	1,00	1,00
Max. Traction (MX14 option)	kN	104 (111)	111	111	111	111

*Weight stated with 200 kg quick hitch and 400 kg bucket



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