

MX-series. Wheeled excavators.



MX14 EPA TIER 4 FINAL
MX16 EPA TIER 4 FINAL
MX18 EPA TIER 4 FINAL

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

Key features

- Shortest swing circle on the market, from 10'10"
- Large spacious ROPS cabin.
- Powerful 167 hp Cummins EPA Tier 4 Final engine with DOC and SCR-catalyst.
- Strong excavator with high digging speed and high breakout force.
- High level of standard equipment.

Hydrema US Inc.
4515 Hemingway Trail
Cumming, GA 30041

Phone: +1 404 614 1747
sales.us@hydrema.com
www.hydrema.us

 **HYDREMA**

Technical Data.

Excavator

Compact excavator with two-piece boom for all models. Build in high tensile steel with closed profiles. Dipper is available in lengths of 6'7", 8'2" and 9'10". Hydraulic quick hitch and tilt rotator as options.

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)

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.

Engine

Cummins QSB 4.5L EPA Tier 4F engine with DOC and SCR catalyst with AdBlue. 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 (500 lb ft) at 1500 rpm. Fuel tank: 80 gal. AdBlue-tank: 5 gal.

Hydraulic system

Dual-circuit system with Load Sensing and high pressure hydrostatic slew 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:	84	gpm
Slew hydraulics:	23	gpm
Hydraulic option 1 ZV1:	0-53	gpm
Hydraulic option 2 ZV2:	0-26	gpm
Hydraulic option 3 ZV3:	13-53	gpm

Driving hydraulics

Constant 4 wheel hydrostatic drive. Variable drive motor with brake valve. 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°

Brakes

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

Specifications

		MX14	MX16	MX18
Machine weight (A3-variant)	lb	36,375 *	39,240 *	42,110 *
Width over std. tyres, 10.00-20	ft.in.	8'4"	8'4"	8'4"
Clearance height, cabin	ft.in.	10'3"	10'3"	10'3"
Rear overhang, upper carriage	ft.in.	5'1"	5'5"	5'7"
Swing radius, rear	ft.in.	5'8"	5'11"	6'0"
Swing radius, front (L 8'2")	ft.in.	6'6"	6'6"	6'9"
Digging depth (L 8'2")	ft.in.	17'9"	17'9"	19'2"
Reach (L 8'2")	ft.in.	30'7"	30'7"	31'11"
Breakout force, bucket cylinder (ISO)	lbf	23,800	23,800	31,000
Breakout force, dipper (ISO)	lbf	18,400	18,400	21,800
Max. bucket size	yd	1.05	1.20	1.30

*Weight without bucket



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