

Hydrema MX16 RAIL.



Compact machine specially designed to run on railway tracks with its primary focus being on compactness, stability and flexibility.

Key features

- Most compact excavator in the 19 tonne class.
- Spacious ROPS cabin.
- Powerful 163 hp Cummins stage 3 with superior engine power.
- Excavator with long reach and high lifting capacity.

Technical data.

Rail system

MX16 Rail is capable working in two categories:

Category 2

Driveline and brakes work indirectly from tires (pull wheels) for rail wheels. Using cat. 2 the machine is lifted more than 100 mm above the tracks which ensures no conflicts with sensors and track switches. Cat 2 driving gives the highest possible safety. Parking brake acts directly on the rail wheels.

Category 3

Rubber wheels runs directly on the tracks with traction and brake acting directly from wheels to the tracks. Rail wheels runs with constant pressure control and suspension to achieve very high safety. Being partly on rubber wheels gives comfortable driving.

Standard equipment - Rail system

Under carriage with Rail System Cat. 2/3 (9B/9C)
 Special Rail-Keypad for under carriage in left hand arm rest
 Electronic monitoring of Cat. 2/3 with alarm
 Visual control of rail wheel pressure on rails
 Rail wheels - diameter: 650 mm
 Fixed BM-hitch, rear
 Electronic Prolec height and swing system (u. RCI)
 Hydraulic emergency operation
 Mechanically locked steering wheel when driving on rails
 Parking brake for rail wheels, front / rear
 Extra hydraulic oil circuit, rear - (50 L)
 7-pole socket for trailer, rear
 2 cameras (counter weight and right side)
 Coupling for trailer, front / rear

Extra equipment (option)

Height- and swing limitation with RCI (Rated Capacity Indicator)
 Air pressure system in under carriage. For parking brake on rail trailers
 Remote controlled search light on cab roof. (not available with FOPS protection).

Hydraulic options

1" pipe layout for dipper
 Hydraulic option 3 (100-200 L)
 Quick coupling for grab - switch of oil from bucket cyl.
 Float position for boom cylinder

Tiltrotator

Pipe layout for Engcon S60 quick hitch.
 Tiltrotator Engcon EC219 with claw for direct mounting - or for S60 quick hitch.

Cabin

Oil heating for engine + cab - with control via mobile
 Air suspension seat with lumbar support
 Exchange to Zenon lights - 6 ps.
 FOPS protection for cab (roof)
 FOPS protection (roof + front screen)
 Cooling box with electrical regulation - 14,5 L.

Miscellaneous

Central lubrication point for dipper (2 points).
 Central automatic lubrication system, dipper (2 l. container).
 Electric pump for filling of fuel tank.
 Electric engine heater - 820 W / 230 V.
 Biodegradable oil.
 GPS-Track - type M-Tec.

Dimensions

		L 2.0	L 2.5
Machine weight	ton	19,4	19,4
Width over std. tires, 10.00-20	mm	2580	2580
Wheelbase (rubber wheels)	mm	2600	2600
Clearance height, cabin (in terrain)	mm	3120	3120
Clearance height, cabin (on rails)	mm	3220	3220
Transport height (rail work)	mm	4100	4100
Distance, pivot center to counter weight	mm	1640	1640
Swing radius, rear	mm	1792	1792
Swing radius, front	mm	1650	1990
Reach, max.	mm	8190	8690
Ground clearance (rail work)	mm	100	100
Lifting capacity, max.	kg	12000	11500

