

Mx Winch Data Sheet

The MX winch series comprises of a motorised medium sized spool with integrated controller and can support 500m of single conductor wireline.



Mx Winch deployment off a Drill Rig. Image courtesy of Mount Sopris Instruments.

The four-quadrant motor speed controller enables the winch to sustain a constant bailing speed with varying loads. The winch can be supplied with varying types and gages of wirelines including coax, single and multi-conductor cables. A level wind mechanism automatically wraps the cable onto the drum and also includes a rotary encoder to track the amount of cable released. The MX winch can be fitted with the MATRIX or BBox console to offer a complete logging solution. The MX winch is supplied mounted within a rugged transit case for easy transportation or can be mounted within a vehicle.

As with all Mount Sopris winches the MX winch series can support all Mount Sopris and ALT borehole logging tools and many third party tools.

Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	40.6cm x 52cm x 38.8cm	70kg (with 500m single conductor cable)

Technical Specifications

Motor:	¼ hp, SCR type
Controller:	4 Quadrant, with current limit.
Depth Encoder:	BEI Model H20 (200 pulses/turn).
Wireline Tolerance:	Supports Coaxial, Single and Multi- Conductor Wirelines.
Cable off-axis Tolerance:	10° left, 10° right, 12° down, 45° up
Speed Range:	Low Gear: 9.14m/min 272kg load. High Gear: 27.4m/min 113kg load.
Cable Capacity:	4MXA w/500m of 3.17mm dia. Cable: 70 kg 4MXB w/305m of 4.76mm dia. Cable: 98 kg 4MXC w/1000 m of 3.17mm dia. Cable: 105 kg
Temperature:	-20 to 50 °C
Load:	46kg.
Power:	600W @220V