MS-250 ADVANCE GEOTECHNICAL DRILLING MACHINE W/ AUTOMATIC SPT

- Remote-controlled Track Movement · Highly Maneuverable
- Full Hydraulic Transmission · Strong Controllability
- Multi-process Integration · High Adaptability
- Drilling Data Acquisition and Remote Monitoring



MJASZENITH

Driven by Vision. Strengthened by Trust.

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Integrated GNSS Positioning System

High-performance, lightweight GNSS unit designed for fast field deployment. Provides stable satellite tracking, accurate real-time positioning, and dependable operation for surveying and construction workflows.

- **Foldable Mast**

  Simple and reliable structure, easy operation.

- **New Electrical Control System**

  7-inch display, drilling data acquisition and remote monitoring.

- **Hydraulic Automatic Standard Penetration Tester (Optional)**

  Automatic striking, automatic counting, automatic data transmission.

- **Turbocharged Diesel Engine**

  Strong power, high reliability, low fuel consumption.

- **Variable Speed Motor**

  Adjustable speed and torque continuously, high volumetric efficiency, fuel savings over 20% !

- **New Lightweight Mud Pump**

  Compact and lightweight design, capable of circulating mud and high-viscosity drilling fluids.

- **Protection Mesh**

  Protect operators, ensure work safety.

- **Crawler**

  Equipped with a dual-speed crawler chassis, remote-controlled operation, highly maneuverable, maximum traveling speed up to 4.0 km/h, maximum climbing angle up to 25°.

- **Integrated Hydraulic System**

  Multifunctional integrated valve block, high reliability, low pressure loss.

Going All Out for Excellence

Fuel Efficient



Variable Speed Motor

Compact and lightweight, easy speed adjustment, high volumetric efficiency, can save fuel by over 20%!

Safe



Hydraulic Automatic Standard Penetration Tester

Enclosed hammer, safe and reliable, easy operation.

Light-weight



New Type Lightweight Mud Pump

Compact and lightweight design, capable of pumping low-solids, high-viscosity, circulating drilling fluids, ideal for complex formation mud.

Precision



Integrated GNSS Positioning System

High-performance, lightweight GNSS unit designed for fast field deployment. Provides stable satellite tracking, accurate real-time positioning, and dependable operation for surveying and construction workflows.

Technical Specifications

Standard Configuration

- Variable Speed Motor
- 7-Inch Display Screen
- Wireless Remote Controller
- Rotation Unit Sideways Sliding Device
- Adjustable Drill Rig Support Seat
- Foldable Mast
- Safety Protection Mesh
- Foldable Drill Pipe Hanger



DRILL PIPE

DRILL PIPE TYPE	PQ/HTW/NTW/BTW
DRILL PIPE LENGTH	1.5m / 2m max
DRILL DEPTH CAPACITY	50/100/150/300m
HOLE DIAMETER	123/96/76/60mm
CORE DIAMETER	85/71/56/42mm

HYDRAULIC SYSTEM

PARAMETER	SPECIFICATION
ENGINE POWER	KUBOTA V1505 Turbo Diesel Engine 33kw/3000rpm
MAXIMUM PRESSURE	21MPa
MAXIMUM FLOWRATE	75L/min

CRAWLER

PARAMETER	SPECIFICATION
WALKING SPEED	(Low Speed) 2.0km/h (High Speed) 4.0km/h
GRADEABILITY	≤ 25°
TRACK CHASSIS WIDTH	1790x1200x407mm
TRACK SHOE WIDTH	230mm

SIZE AND WEIGHT

PARAMETER	SPECIFICATION
TRANSPORT DIMENSION	5.2x1.7x3.2m
WORKING DIMENSION	2.1x1.2x3.4m
GROSS	2000kg

TOP DRIVE ROTATION UNIT

PARAMETER	SPECIFICATION
DRILLING ANGLE	45°-90°
MAXIMUM TORQUE	300 N.m - 4500 N.m
ROTATION SPEED	1000rpm
FEED TRAVEL	1.83m
PULL / THRUST	60kN/30kN

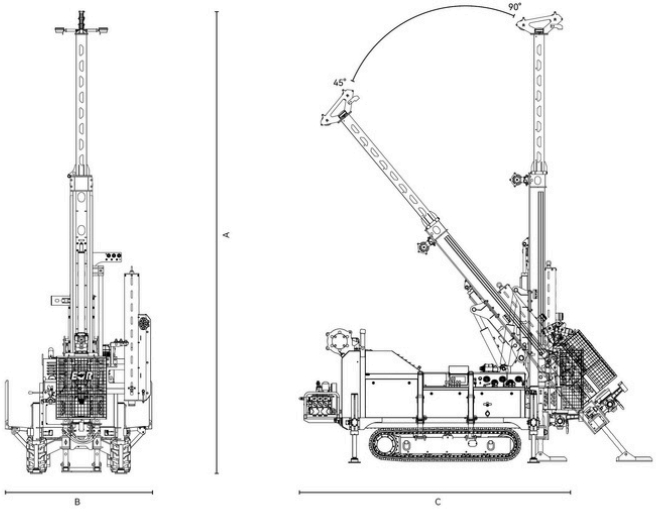
WINCH

PARAMETER	SPECIFICATION
AVERAGE SPEED	100m/min
PULLING FORCE	10kN / Max 1.2T
WIRE DIAMETER	6mm
WIRE CAPACITY	300m

MUD PUMP

PARAMETER	SPECIFICATION
MAXIMUM FLOW RATE	60L/min
MAXIMUM PRESSURE	6MPa

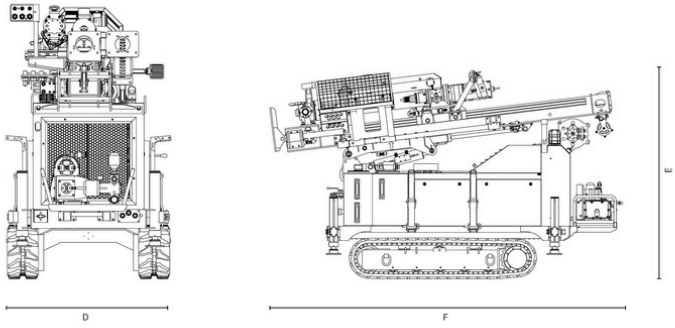
BUILT-IN WATER PUMP SYSTEM	• Disc. Capacity: 200L./min. • Disc. Pressure: 4mpa-6mpa • Recip. Times: 145 times/mins. • Stroke: 85mm • Pulley Speed: 530 r/min. • Cylinder Diameter: 80mm; 65mm • Pump Type: Horizontal
AUTO SPT SAMPLING	31–45 blows per minute with Automatic Counter **HAMMER SPECIFICATIONS** Hammer weight: 140 ± 2 lb Drop hammer fall: 30 in (750 mm)
MANEUVERING	Manual and Remote



Operating Dimensions

A	5.2m
B	1.7m
C	3.2m

Technical Specifications



Transportation Dimensions

D	1.2m
E	2.1m
F	3.4m

※ The data and information are for reference only.
Please refer to the real object.