



MULTI-PURPOSE GEOTECHNICAL, WATER WELL & EXPLORATION RIGS



MD600N

 **METADRILL**
Efficient Drilling. Precise Results

MD600N - GEOTECHNICAL, WATER WELL & EXPLORATION

★ **Pull Down Force:**
5,000 KG [26,500 lbs.]

★ **Retract Force:**
7,000 KG [17,600 lbs.]

★ **Max Torque:**
5,000 NM [3,680 lb. ft]

★ **Maximum Rotary Speed:**
1250 RPM

★ **Mud Pump**
Triplex Piston pump
Maximum Flow: 140 LPM
Maximum Pressure: 50 Bar

★ **Main Winch Capacity:**
5,000KG [11,000 lbs.]

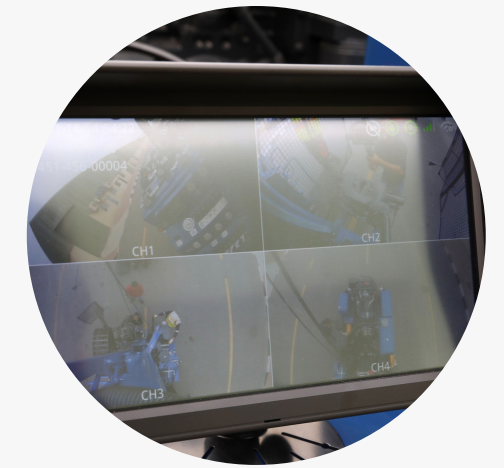
★ **Tools Box**

★ **Safety Cage**

★ **Diamond Core Drilling Capacity**
N wireline- 600 Meters (1968 ft)
H wireline - 400 Meters (1312 ft)
P wireline - 250 Meters (820 ft)

★ **Power Unit**
Deck Engine: John Deere, FPT,
Kirloskar
Power: 160 Hp
4 Cylinder Turbo Charged

★ **Crawler Mounted**



★ **CCTV Camera System**
Optional for live monitoring

★ **Service Accesible**
Easy access to engine and
Hydraulic system.



METALLURGY & DRILLING FZE-UAE
T5-127, SAIF ZONE, SHARJAH
United Arab Emirates - P.O. Box 500205

☎ (+971) 56-991-3528 🌐 www.metadrill.net ✉ info@metadrill.net

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MD600N - PERFORMANCE SPECIFICATIONS

FEED SYSTEM

PULL DOWN FORCE: 5,000 KG [26,500 LBS.]
RETRACT FORCE: 7,000 KG [17,600 LBS.]
FEED DOWN SPEED: 0-15 M/MIN [0-50 FT/MIN]
FEED RETRACT SPEED: 0-25 M/MIN [0-82 FT/MIN]
FEED STROKE: 2.1 M [6.8 FT]
ANGLE DRILL CAPABLE (OPTIONAL)

POWER UNIT

DECK ENGINE: JOHN DEERE, FPT, KIRLOSKAR
POWER: 160 HP
4 CYLINDER TURBO CHARGED

DRILL HEAD

4 - SPEEDS MECHANICAL GEARBOX
MAXIMUM ROTARY SPEED: 1250 RPM
MAXIMUM TORQUE: 5,000 NM [3,680 LB. FT]
300 NM @ 1250 RPM - 4TH GEAR
VARIABLE SPEED HYDRO MOTOR -
INFINITE CONTROL
HEAVY DUTY WATER SWIVEL

HOISTS

MAIN WINCH CAPACITY: 5,000KG [11,000 LBS.]
WIRELINE WINCH
600M CAPACITY WITH 6MM WIRE ROPE
400KG FULL DRUM, 1000 KG EMPTY DRUM
HOISTING SPEED: 100 - 280 M/MIN

DIAMOND CORE DRILLING CAPACITY

N WIRELINE - 600 METERS (1968 FT)
H WIRELINE - 400 METERS (1312 FT)
P WIRELINE - 250 METERS (820 FT)
ABOVE DRILLING CAPACITIES MIGHT VARY
ACCORDING TO SUB SURFACE CONDITIONS.

APPROXIMATE WEIGHT/DIMENSIONS.

WEIGHT: 5500 KGS (BARE RIG)
WEIGHT: 7000 KGS (INCLUDING CRAWLER)
LENGTH: 6412 MM (MAST IN HORIZONTAL POSITION)
WIDTH: 2540 MM
HEIGHT: 3000 MM (MAST DOWN)

MUD PUMP

TRIPLEX PISTON PUMP
MAXIMUM FLOW: 140 LPM
MAXIMUM PRESSURE: 50 BAR

OPTIONAL EQUIPMENT

MAST EXTENSION
SPT AUTOMATIC HAMMER, ASTM D-1586, 63.5 KG [140 LB.]
MAKE/BREAK DOUBLE ROD CLAMP ASSEMBLY
PROGRESSIVE CAVITY PUMP
NIGHT LIGHTS
SAFETY CAGE
DRILLER PLATFORM
CCTV CAMERA SYSTEM FOR LIVE MONITORING
ENGINE PARAMETERS LIVE
MONITORING
SEDIMENTATION TANK



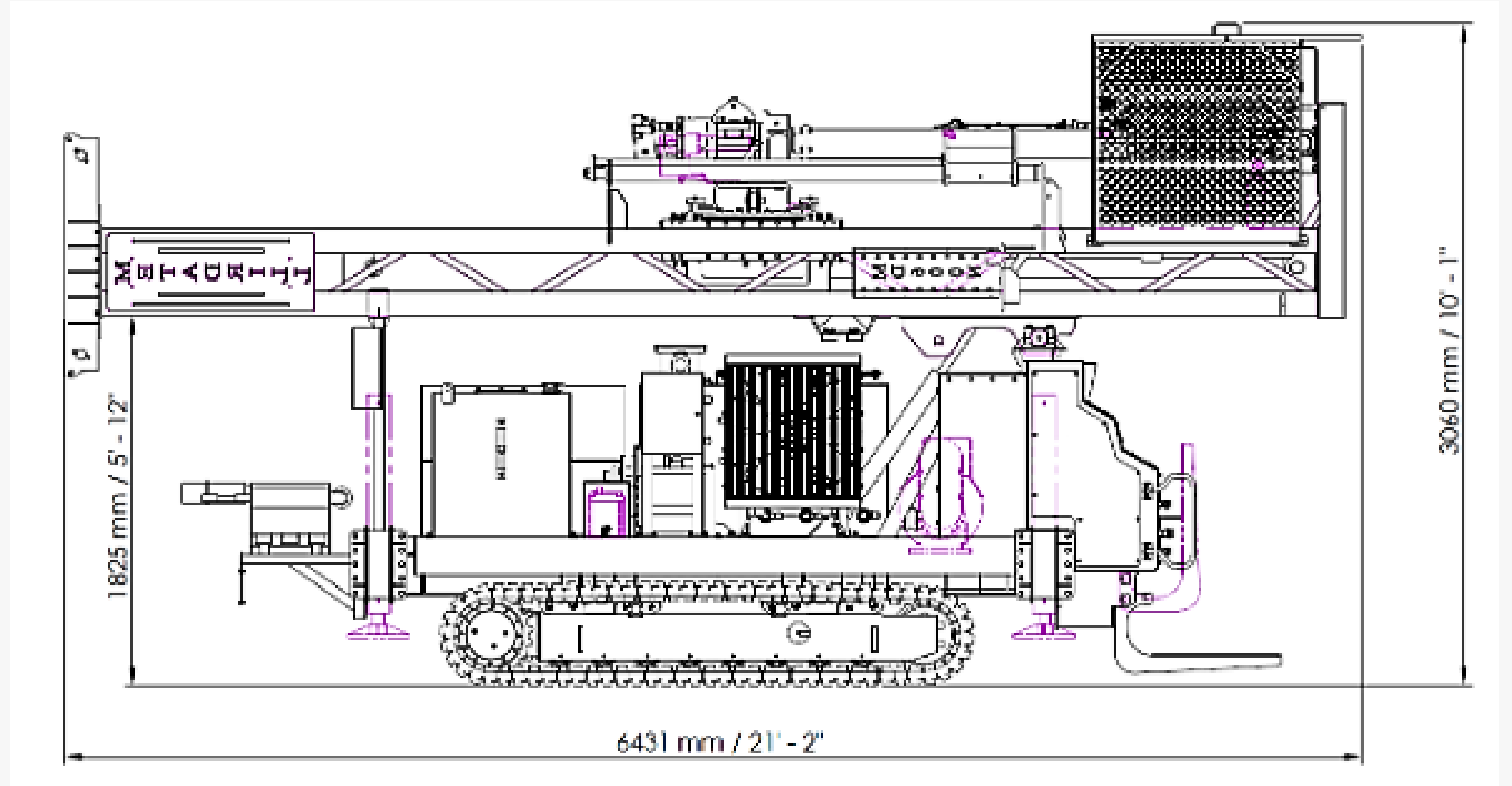
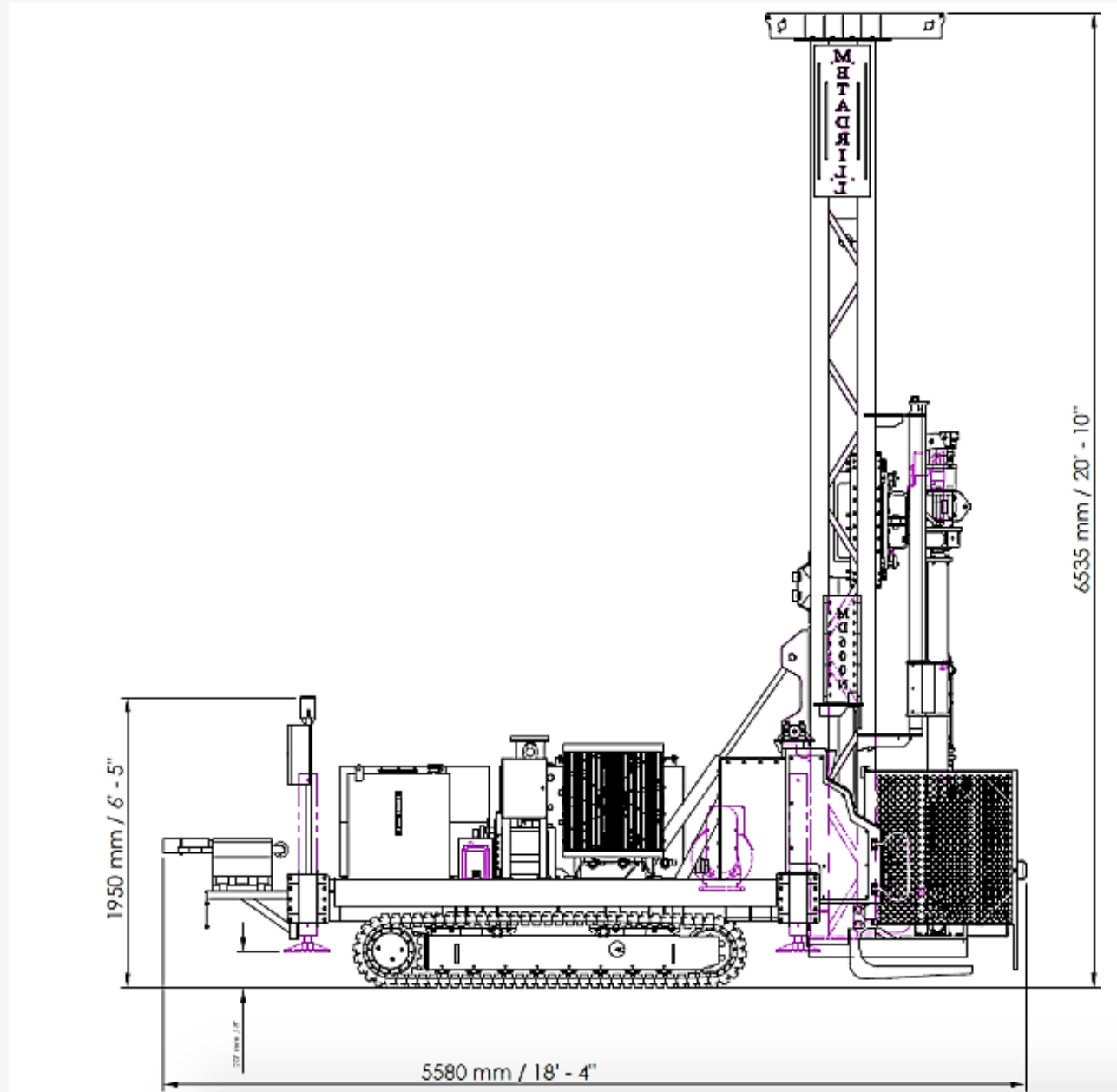
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MD600N - DESIGN SPECIFICATIONS



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