



# MULTI-PURPOSE GEOTECHNICAL, WATER WELL & EXPLORATION RIGS

**MD1000N**

# MD600N - GEOTECHNICAL, WATER WELL & EXPLORATION

★ **Pull Down Force:**  
8,000 KG [17,600 lbs.]

★ **Retract Force:**  
12,000 KG [26,500 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:**  
8,000KG [17,600 lbs.]

★ **Tools Box**

★ **Safety Cage**

★ **Diamond Core Drilling Capacity**  
N wireline- 1000 Meters (1968 ft)  
H wireline - 600 Meters (1312 ft)  
P wireline - 400 Meters (820 ft)

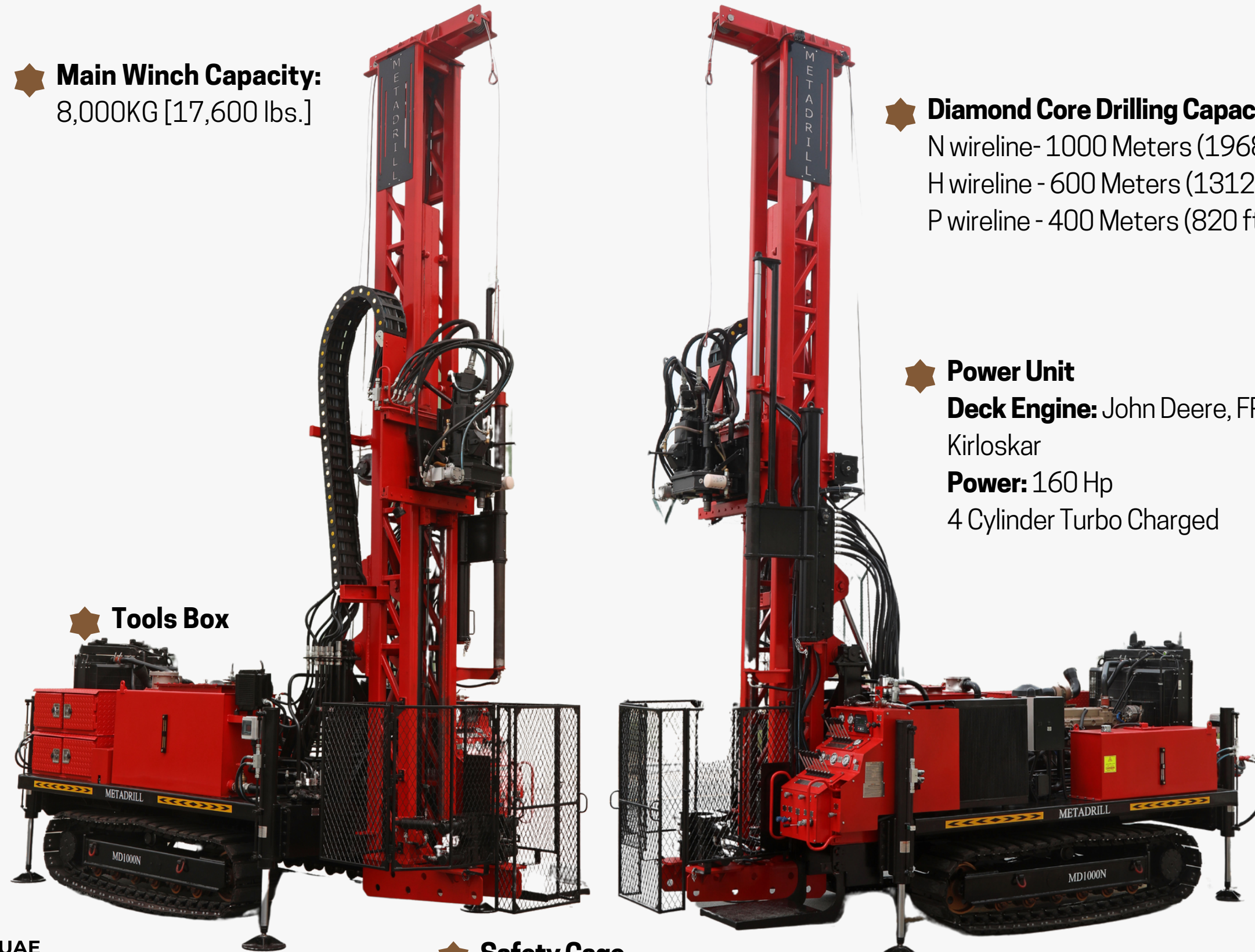
★ **Power Unit**  
**Deck Engine:** John Deere, FPT,  
Kirloskar  
**Power:** 160 Hp  
4 Cylinder Turbo Charged

★ **Crawler Mounted**



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

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



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# MD600N - PERFORMANCE SPECIFICATIONS

## **FEED SYSTEM**

**PULL DOWN FORCE:** 8,000 KG [17,600 LBS.]  
**RETRACT FORCE:** 12,000 KG [26,500 LBS.]  
**FEED DOWN SPEED:** 0-15 M/MIN [0-50 FT/MIN]  
**FEED RETRACT SPEED:** 0-10 M/MIN [0-32 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:** 8,000KG [17,600 LBS.]  
WIRELINE WINCH  
1000M CAPACITY WITH 6MM WIRE ROPE  
400KG FULL DRUM, 2000 KG EMPTY DRUM  
**HOISTING SPEED:** 100 - 280 M/MIN

## **DIAMOND CORE DRILLING CAPACITY**

**N WIRELINE** - 1000 METERS (1968 FT)  
**H WIRELINE** - 600 METERS (1312 FT)  
**P WIRELINE** - 400 METERS (820 FT)  
ABOVE DRILLING CAPACITIES MIGHT VARY  
ACCORDING TO SUB SURFACE CONDITIONS.

## **APPROXIMATE WEIGHT/DIMENSIONS.**

**WEIGHT:** 6200 KGS (BARE RIG)  
**WEIGHT:** 9000 KGS (INCLUDING CRAWLER)  
**LENGTH:** 6500 MM (MAST IN HORIZONTAL POSITION)  
**WIDTH:** 2500 MM  
**HEIGHT:** 3100 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



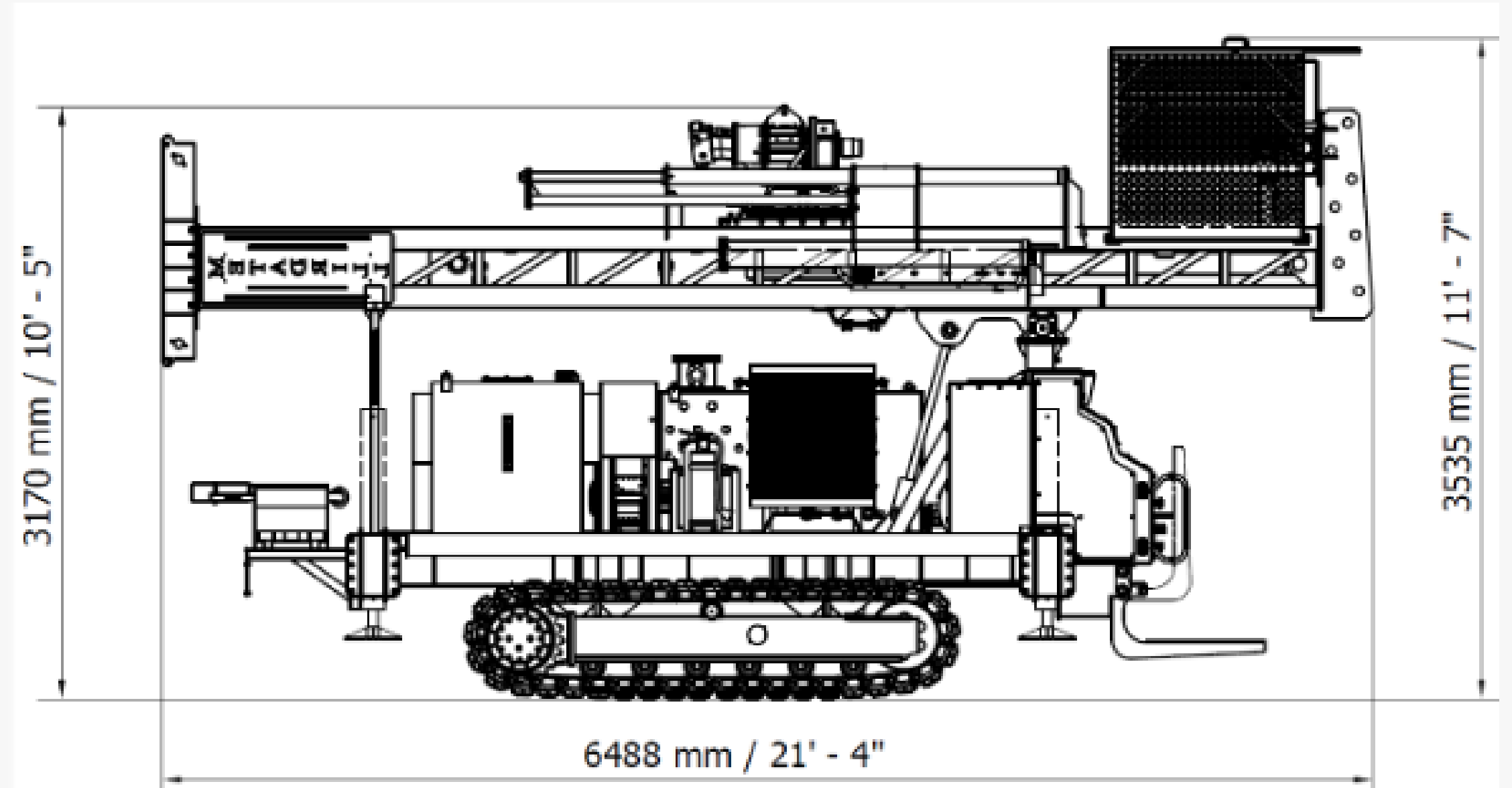
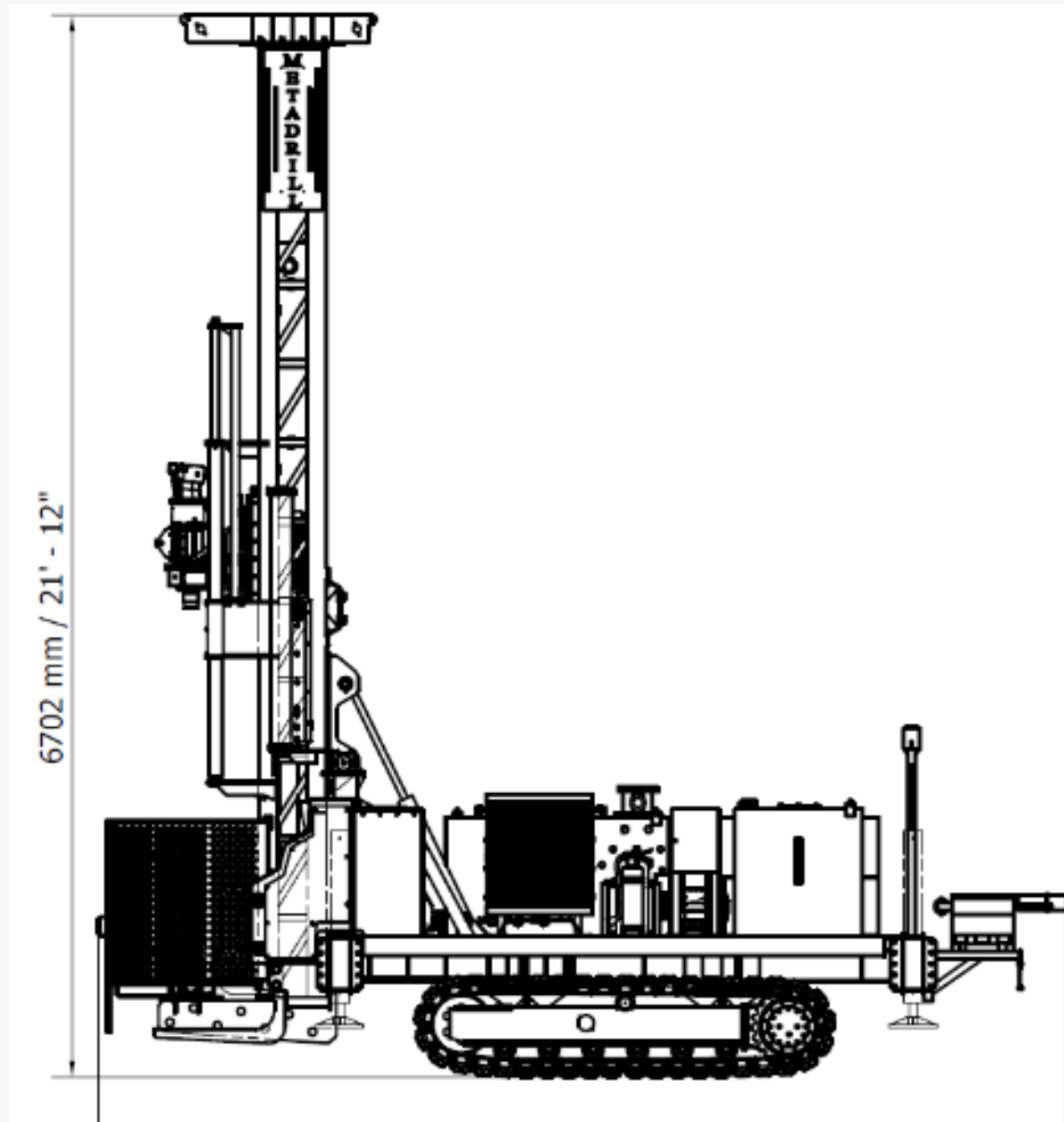
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# MD600N - DESIGN SPECIFICATIONS



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