

# XY-3 CORE DRILLING RIG

SPECIFICATION SHEET · CRAWLER-MOUNTED SPINDLE-TYPE DIAMOND CORING



**600 m**

MAX CORE DRILLING DEPTH

**6 000 kg**

SPINDLE LIFTING CAPACITY

**42 kW**

YN27 DIESEL POWER

## DRILLING CAPABILITY

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| Depth / End-Hole Diameter | 100 m ø300 · 250 m ø200 · 300 m ø150 · 600 m ø75 |
| Max Open Hole             | 300 mm                                           |
| Drill Rod Diameter        | 60 mm                                            |
| Drilling Angle            | 65–90°                                           |
| Method                    | Diamond core drilling · mud rotary               |

## SPINDLE & TRANSMISSION

|                          |                                                    |
|--------------------------|----------------------------------------------------|
| Transmission             | MW525 heavy-truck gearbox · 10 forward / 2 reverse |
| Spindle Speed (low)      | 30 · 53 · 88 · 145 · 222 rpm                       |
| Spindle Speed (high)     | 143 · 250 · 414 · 684 · 1 050 rpm                  |
| Spindle Stroke           | 600 mm                                             |
| Spindle Through-Hole     | 96 mm                                              |
| Spindle Lifting Capacity | 6 000 kg                                           |

## WINCH

|                  |                 |
|------------------|-----------------|
| Single-Line Lift | 3 000 kg        |
| Lifting Speed    | 0.5–1.9 m/s     |
| Wire Rope        | ø12.5 mm × 50 m |

## POWER & HYDRAULICS

|              |                                                 |
|--------------|-------------------------------------------------|
| Engine       | YN27 diesel · 42 kW @ 2 400 rpm                 |
| Power Option | Electric motor drive available                  |
| Oil Pump     | Duplex gear CBF-F63/25 · 63 + 25 L/min @ 20 MPa |

## DIMENSIONS & WEIGHT

|                          |                                                              |
|--------------------------|--------------------------------------------------------------|
| Base Machine (L × W × H) | 2 500 × 900 × 1 800 mm                                       |
| Base Machine Weight      | 1 800 kg (with power unit; crawler undercarriage additional) |

**HEAVY-DUTY DRILLING EQUIPMENT, BUILT FOR AFRICAN  
CONDITIONS.**

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