

# JCD400 CORE DRILLING RIG

SPECIFICATION SHEET · CRAWLER-MOUNTED WIRELINE DIAMOND CORING



**500 m**

WIRELINE CORING DEPTH · BTW

**70 kW**

YUCHAI TURBO DIESEL

**14 t**

MAX PULL-UP CAPACITY

## DRILLING CAPABILITY

|                         |                                         |
|-------------------------|-----------------------------------------|
| Coring Sizes            | HTW · NTW · BTW (wireline)              |
| Drill Depth             | 200 m (HTW) / 400 m (NTW) / 500 m (BTW) |
| Torque                  | 350–700 N·m                             |
| Rotation Speed          | Up to 1 300 rpm                         |
| Feed Stroke             | 1 900 mm                                |
| Drilling Angle          | 45–90°                                  |
| Max Pull-Up / Push-Down | 14 t / 7 t                              |
| Mast                    | One-piece, ground-touching              |

## POWER & HYDRAULICS

|                    |                                     |
|--------------------|-------------------------------------|
| Engine             | YUCHAI turbocharged diesel          |
| Engine Option      | Cummins diesel available on request |
| Rated Power        | 70 kW @ 2 400 rpm                   |
| Hydraulic Pressure | 20 MPa rated                        |
| Hydraulic Flow     | 160 L/min                           |
| Cooling            | Air-cooled                          |
| Controls           | Manual & remote control             |

## MUD PUMP & HOIST

|             |                                  |
|-------------|----------------------------------|
| Mud Pump    | BW-100 · 0–100 L/min · 0–7 MPa   |
| Rope Hoist  | 600 kg lift · 600 m × Ø6 mm rope |
| Hoist Speed | 100–300 rpm                      |

## MOBILITY & TRANSPORT

|                  |                          |
|------------------|--------------------------|
| Undercarriage    | Steel crawler tracks     |
| Travel Speed     | 3.5 km/h                 |
| Climbing Ability | 40°                      |
| Transport Size   | 4 200 × 2 050 × 2 300 mm |
| Weight           | 4.3 t                    |

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

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