

JCD800 CORE DRILLING RIG

SPECIFICATION SHEET · CRAWLER-MOUNTED SURFACE CORING · REMOTE CONTROL



1 000 m

BQ WIRELINE CORING DEPTH

93 kW

CUMMINS QSB3.9 DIESEL

2 500 N·m

POWER HEAD TORQUE

DRILLING CAPABILITY

PQ / HQ	300 m / 500 m
NQ / BQ	800 m / 1 000 m
HTW / NTW (rope)	800 m / 1 000 m

POWER HEAD

Drive	Danfoss hydraulic motor · side-slip head · 3-gear
Speed / Torque	Up to 1 100 rpm / 2 500 N·m
Through-Hole Diameter	95 mm

ENGINE & HYDRAULICS

Engine	Dongfeng Cummins QSB3.9 · ECM control
Rated Power	93 kW @ 2 200 rpm
Hydraulic Pressure	28 MPa rated
Pumps / Main Valve	Danfoss / Taiwan Oil Power
Cooling	Water-cooled

MAST & FEED

Mast	5.5 m · hydraulic cylinder lift
Drilling Angle	40–90°
Feed Travel	3 200 mm (chain double-speed)
Pull Force / Feed Force	8 000 kg / 2 500 kg

WINCH, PUMP & CLAMP

Core Picking Winch	1 100 kg (empty drum) · 110 m/min · 850 m × ø6 mm
Mud Pump	HengYang Zhongdi BW160/10 · 160 L/min · 10 MPa
Orifice Clamp	Hydraulic · 125 mm through-hole

MOBILITY & TRANSPORT

Undercarriage & Controls	Steel crawler · 4.5 km/h · 30° climbing · full remote control
Transport Size / Weight	5 500 × 1 800 × 2 400 mm · 5 800 kg

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

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