

FORWARD

OS45 Horizontal Directional Drilling Rig

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FORWARD

OS45 HDD rig



Diesel engine

Model	CUMMINS 6CTA8.3-C260-II
Power	194 KW
Cylinders	6
Rotation	2 200 rpm
Cooling type	Water cooling
Fuel consumption	18-22 L/h

Rotation

Gears			2
	Low Speed	Rotation Speed	60 rpm
		Maximum Spindle Torque	16 500 Nm
	High Speed	Rotation Speed	120 rpm
		Maximum Spindle Torque	8 000 Nm

Thrust and pullback

Move Speed			2
	Low Speed	Thrust force	450 kN
		Pullback force	450 kN
	High Speed	Thrust force	225 kN
		Pullback force	225 kN

Other parameters

Loading Rod System		+
Mast heating		+
Drilling angle		8-22°
Clamping system	Jaws clamping spindle torque	16 000 Nm
	Jaws reducing spindle torque	32 000 Nm
Mud pump	Maximum capacity	450 L/min
	Maximum pressure	8 MPa
Drill rob	Length	3 000 mm
	Rod lock	Φ 92
	Rod body	83
	Max bending	5 %

Other parameters

Total Weight	12 000 Kg
Dimensions (LxWxH)	7200x2215x2450 mm
Hydraulic anchor system	Yes
Hydraulic drill feeding system	Yes
Move Speed	0-3 km/h







Auto-Rod-Feeding system

Mud Pump

Drawing of Transportation State

