

FORWARD



Drilling rig
FORWARD RX44×160
 intended for underground
 engineering communications
 construction by horizontal
 directional drilling method

Main technical characteristics

Diesel engine			
Model	WEICHAI-STEYR		
Power	243 kW		
Cylinders	6		
Rotation	2 200 rpm		
Cooling type	Water cooling		
Fuel consumption	19-27 L/h		
Rotation			
Gears			2
	Low Speed	Rotation Speed	0-80 rpm
		Maximum Spindle Torque	19 000 Nm
	High Speed	Rotation Speed	0-160 rpm
		Maximum Spindle Torque	9 000 Nm
Thrust and pullback			
Move Speed			2
	Low Speed	Thrust force	450 kN
		Pullback force	450 kN
		Speed	0-12 m/min
	High Speed	Thrust force	225 kN
		Pullback force	225 kN
		Speed	0-24 m/min
	Carriage acceleration		+
Other parameters			
Crane	Lifting capacity		3 200 kg
Mast heating			+
Drilling angle			7,5-16°
Clamping system	Jaws clamping spindle torque		25 000 Nm
	Jaws reducing spindle torque		50 000 Nm
Mud pump	Maximum capacity		600 L/min
	Maximum pressure		12 MPa
Motion	Motion speed		0-3 km/h
	Maximum elevation angle		25°
Drill rod	Length		4 500 mm
	Rod lock		Ø105 mm
	Rod body		Ø89 mm
	Max bending		5%
	Weight		105 kg
Loading capacity of drill rods holder	10 pc		
HDD rig weight	21 000 kg		
Dimensions (L×W×H)	9,20×2,50×3,08 m		
Diesel engine preheating	+		
Hydraulic system preheating	+		
Drill rods supply system	+		
Drill rods lubrication system	+		
Fuel tank capacity	420 L		
Hydraulic tank capacity	526 L		

Standard configuration

No	Item	Specification	Quantity	Remarks
Main parts				
1	Horizontal directional drilling rig	RX 44×160	1 unit	main machine
2	Mud mixing system		1 set	1 set includes: mud tanks (5 cbm) - 2 pc, Honda mixing pumps - 2 pc, funnels - 2 pc, pipes - 1 set
Drilling tools				
3	Drill rod	Ø 89 mm L = 4 500 mm	100 pc	10 pc in holder
4	Transmitter housing		1 pc	in assembly
5	Starter rod		1 set	
6	Reamer	Ø 300/Ø 450/Ø 600 Ø 750/Ø 900/Ø 150	1 set	three-wing reamer
7	Pulling eyes (pin and box)		1 set	
8	Swivel	60 t	1 pc	
Spare parts and accessories				
9	Spare parts and accessories		1 set	

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