



旋风新材
WHIRLWIND NEW MATERIALS

CX600/CX800/CX1000

Fully Hydraulic Surface Core Drilling Rig



Advanced Exploration Equipment Partner

Overview:

The CX600, CX800, and CX1000 crawler core drilling rigs are suitable for various types of exploration operations, offering excellent productivity and outstanding mobility.

These rigs are equipped with low-emission electronically controlled engines, internationally advanced hydraulic control technology, and a long-cylinder driven feed system. With their superior reliability and production efficiency, they are recognized as some of the best-performing rigs in their class.

The CX600, CX800, and CX1000 rigs feature a sliding box-type feed beam, hydraulic leveling outriggers, and a telescopic mast, enabling fast and accurate positioning. The wireless remote-controlled crawler system is adaptable to various terrains and allows operators to safely control the rig's movement from a distance, reducing the risk of accidents.

With advanced craftsmanship and high manufacturing standards, these rigs reflect the characteristics of premium equipment, delivering consistently excellent quality inside and out.

Features:

- 1. Equipped with a Canadian B15 gearbox power head featuring advanced performance and strong torque, making it easy to handle 1.5m and 3m drill rods.
- 2. Advanced hydraulic pilot control system with industry-exclusive intelligent pressure-balancing drilling, delivering precise control and flexible operation for easy and efficient drilling.
- 3. Sliding feed beam enables quick contact with the working surface, improving operational stability.
- 4. Folding and telescopic mast (up to 8.8 meters) allows for easy setup and flexible handling of long drill rods and core tools; hydraulic leveling outriggers assist with quick and accurate positioning.
- 5. The pressure-loss protection rod clamp ensures fast clamping of drill rods, with quick response, high reliability, and easy operation.
- 6. A powerful power system guarantees efficient drilling performance in various working conditions.
- 7. Wireless remote-controlled crawler system enhances rig mobility and operational flexibility.



Drilling Depth Capacity	CX600	CX800	CX1000
B	800m	1000m	1200m
N	600m	800m	1000m
H	400m	500m	600m
P	100m	120m	200m
The drilling depth is based on theoretical values; actual drilling capacity depends on specific working conditions and drilling methods.			
Power System	CX600	CX800	CX1000
Engine	Cu mmins 4BT	Cu mmins 4BT	Cu mmins 4BT
Power	92 kW	103 kW	120 kW
RPM	2000-2200 rpm	2000-2200 rpm	2000-2200rpm
Electrical System	24 V	24 V	24 V
Hydraulic System	CX600	CX800	CX1000
Main Pump	21MPa -160l/min	21 MPa -180 l/min	28 MPa -200 l/min
Sub Pump	20 MPa -30l/min	20 MPa -40 l/min	20 MPa -40 l/min
Auxiliary Pump	20MPa -10 l/min	21MPa -10 l/min	21MPa -10 l/min
Hydraulic Oil Cooling	Air Cooling + Water Cooling	Air Cooling + Water Cooling	Air Cooling + Water Cooling
Rotary Power Head	CX600	CX800	CX1000
Power Head Type	Plunger Motor (Automatic Transmission)	Plunger Motor (Automatic Transmission)	Plunger Motor (Automatic Transmission)
Maximum Torque	1800-4000 Nm	1800-4000 Nm	2200-4500 Nm
Max. RPM	1200 rpm	1200 rpm	1200 rpm
Wire Rope Winch	CX600	CX800	CX1000
Wire Rope Capacity	1000 m @ 6 mm	1200 m @ 6 mm	1200 m @ 6 mm
Lifting Force	15 kN	20 kN	20 kN
Lifting Speed	140 m/min	140 m/min	140 m/min
Feed System	CX600	CX800	CX1000
Feed Stroke	1.8m/3.5 m	1.8m/3.5 m	1.8m/3.5 m
Feed Force	50 kN	55 kN	55 kN
Retract Force	108 kN	118 kN	118 kN
Drilling Angle	10 -90°	10 -90°	10 -90°
Drill Rod Length	1.5m /3 m	1.5m /3 m	1.5m /3 m
Mud Pump	CX600	CX800	CX1000
Pump Type	Three-Cylinder Piston High-Pressure Pump	Three-Cylinder Piston High-Pressure Pump	Three-Cylinder Piston High-Pressure Pump
Maximum Flow Rate	180 L/m	180L/m	180L/m
Maximum Pressure	8 Mpa	8 Mpa	8 Mpa
Dimensions and Weight	CX600	CX800	CX1000
LXWxH (mm)	5150 x 2700 x 2340	5150 x 2700 x 2340	5150 x 2700 x 2340
Total Weight	6.5 T	7.0T	8.0T

Optional Features::

Hydraulic mud agitator、Service generator、Power unit、Other customized functions