



旋风新材
WHIRLWIND NEW MATERIALS

CX1200/CX1600/CX2000 Surface Coring Drill Rig



先进勘探方案合作伙伴

Partner of Advanced Drilling Solutions

CX1200/CX1600/CX2000 Surface Coring Drill Rig

The CX1200/CX1600/CX2000 surface coring drill rigs are suitable for many types of exploration drilling operations. The CX drilling rigs are equipped with a powerful low-emission diesel engine, world-class hydraulic systems and industry-edge working components.

The CX drilling rigs integrate many user-friendly features such as automatic mast-dumping, auto jacking and leveling, foldable/telescopic mast, side-shifting rotation head, etc., making the drill highly efficient for setting up.

The CX drill rigs are recognized as one of the first-choices drilling equipment for reliability and productivity.

- The feeding system is directly driven by a long-stroke hydraulic cylinder offering enhanced feeding power and accuracy.
- The standard crawler track is operated by a radio-control device offering operating safety and flexibility. Trailer mounted is available as optional.
- Canadian-original rotation unit is made of top-quality components ensuring high-rate reliability and performance.
- Hydraulic-driven safety-assured rod holder is quick to operate and fast to response.
- Hydraulic-actuated main winch is designed with auto-braking and fast-lifting capabilities.



Capacity	CX1200	CX1600	CX2000 (DH)
B	1400 m	1600 m	2000 m (2200)
N	1200 m	1250 m	1600 m (2000)
H	680 m	880 m	1050 m
P	370 m	570 m	700 m

Depth capacity is subject to ground formation and drilling arrangement.

Main Winch	CX1200	CX1600	CX2000 (DH)
Pull-up force	80 kN	100 kN	120 kN
Speed	44 m/min	44 m/min	44 m/min
Volume	35m x 17mm	35m x 17mm	35m x 17mm

WL Winch	CX1200	CX1600	CX2000 (DH)
Volume	1500m @4.7 mm	1830 m @4.7 mm	2000 m @4.7 mm
	1200m@ 6.1 mm	1200 m@ 6.1 mm	1600 m @ 6.1 mm
Pull-up force	Inner: 11.9 kN	Inner: 11.9 kN	Inner: 11.9 kN
	Outer: 3.0 kN	Outer: 3.0 kN	Outer: 3.0 kN
Speed	150 m/min	150 m/min	150 m/min

Feeding System	CX1200	CX1600	CX2000 (DH)
Stroke	3.5 m	3.5 m	3.5 m
Speed control	Variable control		
Feed force	60 kN	60 kN	65 kN
Pull-back	120kN	140 kN	155 kN
Drilling angle	30 -90°	30 -90°	30 -90°
Rod length	3 m	3/6 m	3/6 m

Power System	CX1200	CX1600	CX2000 (DH)
Engine	QSB4.5	QSB6.7	QSB8.3
Displacement	4.5L	6.7L	8.3L
Power	140 kW	153 kW	180 kW (210)
Speed	2200 rpm	1800 rpm	2200 rpm
Engine type	Turbocharged	Turbocharged	Turbocharged
Electrical	24 V	24 V	24 V

Hydraulics	CX1200	CX1600	CX2000 (DH)
Main pump	28MPa-210 l/min	28MPa -242 l/min	31MPa -250 l/min
Second pump	20MPa-100 l/min	20MPa -122 l/min	20 MPa -135 l/min
Third pump	21MPa -40 l/min	21MPa -47 l/min	21MPa -55 l/min
Cooling Method	Air cooling	Air cooling	Air cooling

Rotation Unit	CX1200	CX1600	CX2000 (DH)
Motor type	Various control		
Driving	Gear-driven	Gear-driven	Gear-driven
Spindle ID	95mm/117 mm	117 mm	117 mm
Spindle speed	50-1300rpm	50-1300rpm	50-1300rpm
Max torque	5800Nm	6800Nm	7600Nm
Side-shifting	Auto	Auto	Auto

Chuck	CX1200	CX1600	CX2000 (DH)
Type	Hydraulic driven		
Spindle Id	117 mm	117 mm	117 mm
Holding force	18140 kg	18140 kg	20150 kg

Rod Holder	CX1200	CX1600	CX2000 (DH)
Type	Hydraulic driven		
Max rod size	180 mm	180 mm	180 mm
Holding force	13000 kg	18000 kg	23000 kg

Chassis	CX1200	CX1600	CX2000 (DH)
Leveling	4 jacks	4 jacks	4 jacks
Stroke	550 mm	550 mm	650 mm

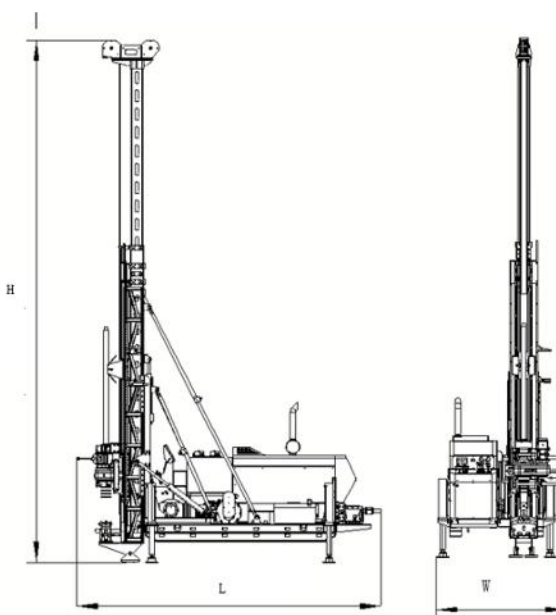
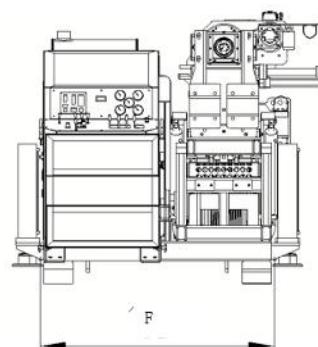
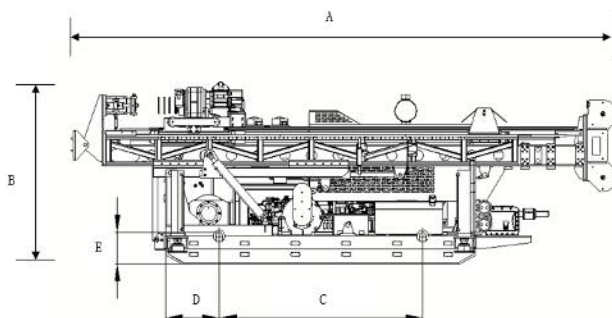
Crawler track	CX1200	CX1600	CX2000 (DH)
Control	Radio control		
Type	Heavy-duty	Heavy-duty	Heavy-duty
Max speed	3.0 km/h	3.0 km/h	3.0 km/h

Weight	CX1200	CX1600	CX2000 (DH)
Trailer type	7000Kg	9000Kg	11000Kg
Track type	9000Kg	13000Kg	15000Kg

Dimension	CX1200	CX1600	CX2000 (DH)
A	5100 mm	5150 mm	5850 mm
B	2500 mm	2700 mm	2900 mm
C	2140 mm	2340 mm	2450 mm
H	9050mm	9650mm	9650mm
W	2100mm	2300mm	2300mm

Optional	CX1200	CX1600	CX2000 (DH)
Fluid pump	180L	180L	200L
Mud mixer	Optional	Optional	Optional
Mud tank	Optional	Optional	Optional
Flow meter	Optional	Optional	Optional

Dimensions may be changed according to specific need.





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