

DTH Ordinary All-in-one Series Features

The screw air compressor and the hydraulic system of the drill rig driven by single power pack,compared with the separated drill rig,the energy consumption down by 35%,and the maintenance cost lowered by50%;

The core hydraulic components imported from Europe.The reliable,convenient and practical hydraulic system greatly reducing maintenanceworkofthesystem.

Powerful dual-speed hydraulic tramming mechanism,strong offroad capability, high torque rotary motor easily handling jammingofdrill tools;

Two-stage dry dust collecting system,environment friendly, also to improve production efficiency and integratec technology solving the problems of portable air compressor towing around and remote management.



DTH Ordinary All-in-one Series Construction Site

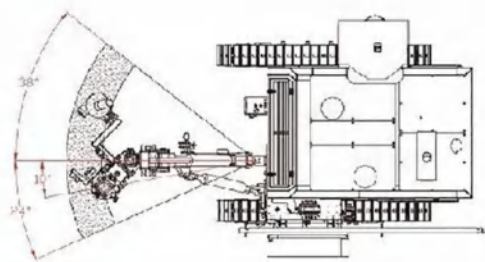
Main Specifications	HFG-53+	HFG-54+
Diesel Engine	Cummins	Cummins
Rated Power	133 kW / 158 kW	194 kW
DTH Hammer	3.5"	4"
Hole Range	φ80-100 mm (φ80-115 mm)	φ108-127 mm (φ108-138 mm)
Drill Pipe	φ60 mm	φ76 mm
F.A.D.	10 m³/min (12 m³/min)	15 m³/min (16 m³/min)
Air Discharge Pressure	14.5 bar	17 bar
Torque	1,450 N.m	2,479 N.m
Max Pullup Force	25 kN	40 kN
Tramming Speed	High Speed 3.2 km/h Low Speed 2 km/h	High Speed 3 km/h Low Speed 2 km/h
Slope Capability	25°	25°
Track Frame Oscillation	±10°	±14°
Weight (kg)	7,000 kg	11,300 kg



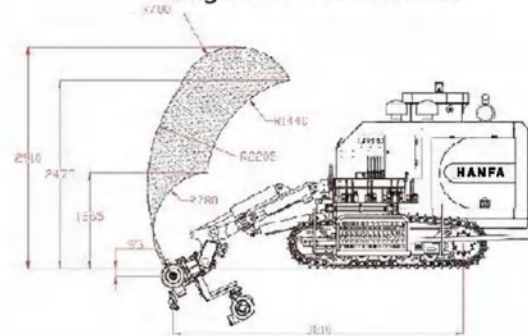
DTH Ordinary All-in-one Series Parameters

Main Technical Specifications	
Diesel Engine: Cummins	
Engine Emission: Standard configuration: Euro III A compatible	
Engine Model: QSB5.9	
Engine Rated Power: 154 kW @ 2,200 rpm	
Working Pressure: 14.5 Bar	Track Oscillation: + / - 10°
F.A.D: 10 m³ / min	DTH Hammer: 3.5 Inch
Hole Dia. Range: ϕ 80 - 115 mm	Rotary Torque: 1,450 N.m
Pipe size: ϕ 60 mm	Pipe Length: 3,000 mm (Collaring 2,000 mm)
Nos. of Pipes: 6	Feed Type: Cylinder / Chain
Hole Depth: 20 m	Feed Travel Length: 3,200 mm
Feed Total Length: 5,340 mm	Max. Feed Speed: 0.75 m / s
Feed Extension: 960 mm	Max. Pull Up Force: 25 kN
Max. Feed Force: 15 kN	Traction Force: 65 kN
Tramming Speed: High 3.2 km / h, Low 2 km / h	Height: 2,700 mm
Gradient: 25°	Width: 2,410 mm
Fuel Tank Capacity: 170 L	Length: 6,300 mm
Ground Clearance of Chassis: 400 mm	Weight (options excluded) : 7,000 kg

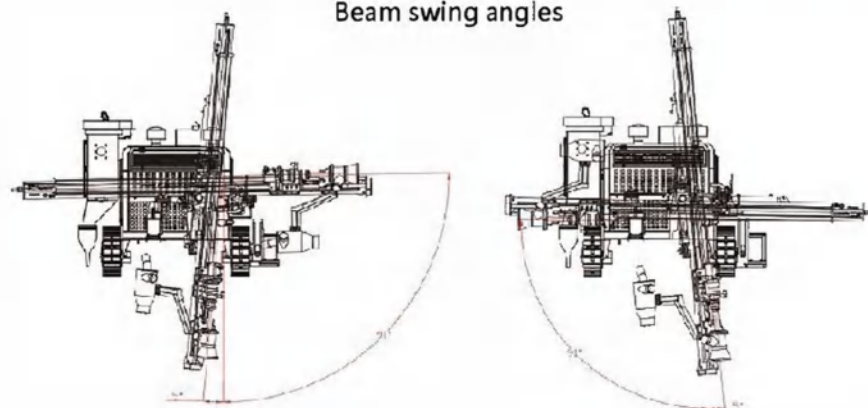
Range of vertical holes



Range of horizontal holes



Beam swing angles



DTH Ordinary All-in-one Series Construction Site



**Productive and Reliable Solutions
Made with Chinese Wisdom**

Best & innovative substitutes for separated drill rigs

HFG-53+

HFG-53+ integrated DTH drilling rig, an upgrade from existing mature model, with core components upgraded to world famous brands. Single power pack (one diesel engine) drives both screw air compressor and hydraulic system with power output of stagger design. Comparing with separated drills, the power consumption of diesel engine reduced by 30% and maintenance cost down by 50%.

The integrated design of HFG-53 for improved production efficiency without towed air compressor behind with less air transmission loss and for better long-distance fleet management.

High efficient dust collecting system

HANFA own developed unique High efficiency two stage dust collector with high speed fan for larger filter area, technical advanced and industry leading for excellent dust collection result.



Rig body with oscillation function

Standard $\pm 10^\circ$ oscillation, for better tramming & stronger cross terrain ability.

Powerful rotation unit

Bigger and stronger designed rotation unit for smooth high torque output and less drill tool jamming with stepless speed regulation.

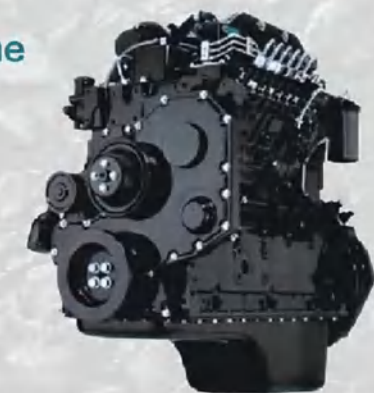


Multiple direction drilling design

For complicated drilling conditions, 400 mm ground clearance for horizontal drilling applications.

Cummins engine

Easy to start, low fuel consumption, global warranty



New protective cover

Better appearance and convenient for maintenance.

Ergonomic comfortable operation console

Centralized control, convenience, high efficient ergonomic control console and full function display panel.

Standard tramming mechanism

Equipped with speed reduction tramming system and standard excavator track for compact structure. Excellent off-road performance with powerful two-speed hydraulic tramming system for extreme low failure rate.

Light and flexible, high ROI, and lower cost per meter drilling

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