



Cat[®] MD5125

Track Drills

Specifications

General Data

Hole diameter	152 mm (6.0 in)
Hole depth	30 m (98.5 ft)
Compressor	11.3 m ³ /min (400 cfm)
HPR5128 rock drill	28 kW (37 hp)

Rock Drill HPR5128

Output power	28 kW (37 hp)
Weight	408 kg (900 lb)
Percussion pressure, maximum	214 bar (3,100 psi)
Blow rate	2,500 – 3,100 bpm
Rotation speed	210 rpm
Rotation torque	2 033 Nm (1,500 ft-lb)
Drill steel	51 mm (2 in)

Rock Drills Optional

HPR6030	30 kW (40 hp)
HPR6832	32 kW (43 hp)
Optional drill steel	60 mm (2.4 in) or 68 mm (2.68 in)

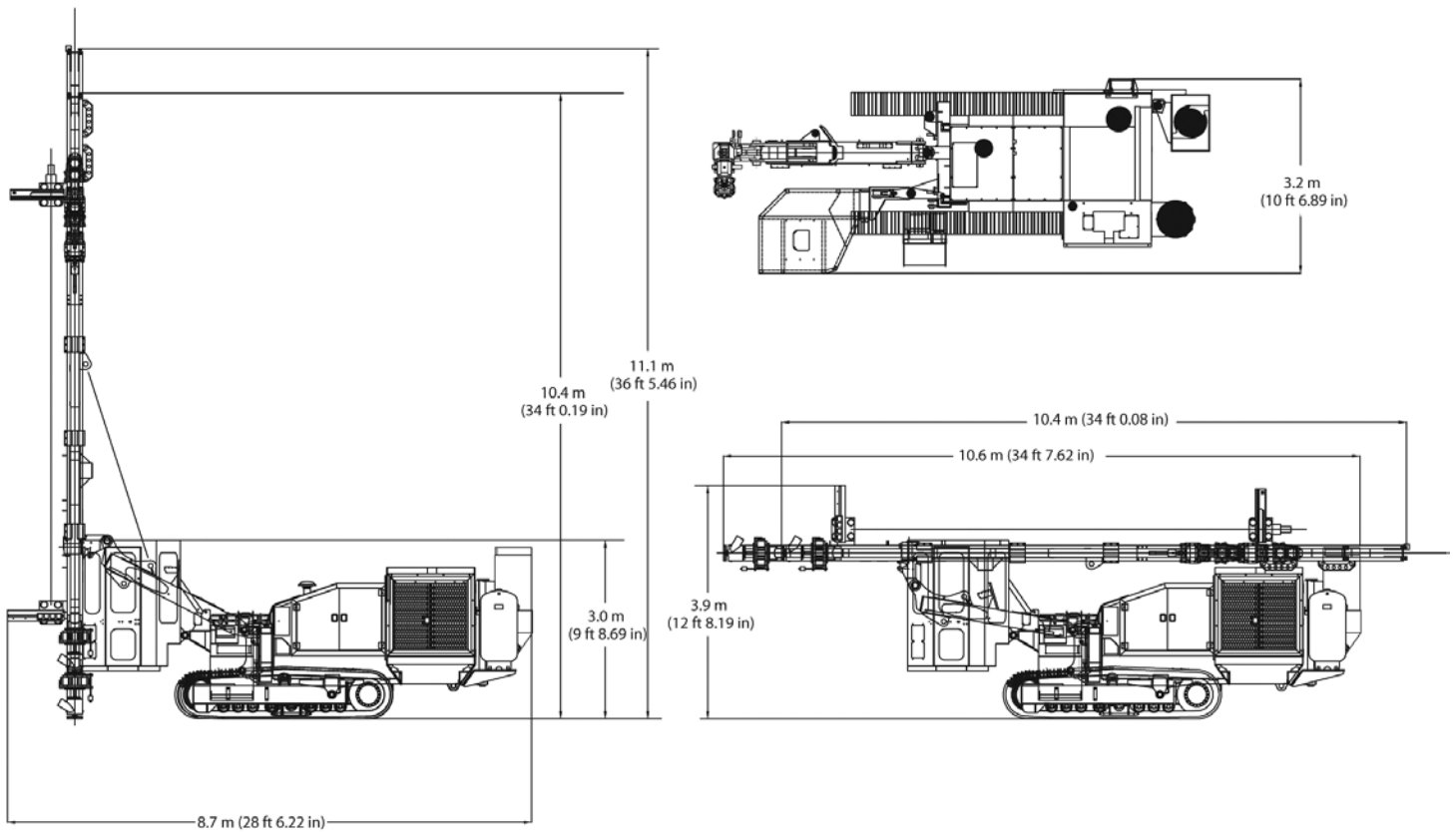
Model HUFH-12 Chain Feed (MD5125C)

High-strength steel channels which are gusseted and reinforced	17.78 cm (2 - 7 in)
Resists torsional and thrust loading	
Replaceable wear pads	
Pitch roller chain and sprockets	38.1 mm (1.5 in)
Planetary gearbox feed system	
Hose reel	
Hydraulic-powered centralizer	
Hydraulic-powered dust collector pickup pot	
Compressed-air-powered coupling greaser	
Manual pendulum inclinometer	
Feed swing angle	36° left, 37° right
Feed extension length	.9 m (3 ft)
Feed Dump	149° from 10° off boom

Model HUFH-20 Chain Feed (MD5125CL)

High strength steel channels which are gusseted and reinforced	17.78 cm (2 - 7 in)
Resists torsional and thrust loading	
Replaceable wear pads	
Pitch roller chain and sprockets	38.1 mm (1.5 in)
Planetary gearbox feed system	
Hose reel	
Hydraulic-powered centralizer	
Hydraulic-powered dust collector pickup pot	
Compressed-air-powered coupling greaser	
Manual pendulum inclinometer	
Feed swing angle	14° left, 37° right
Feed extension length	.9 m (3 ft)
Feed Dump	132° max, 16° min

Track Drills—MD5125



Shipping Dimensions

Length	10 m (32.7 ft)
Width	2.62 m (8.8 ft)
Height	3.38 m (11.5 ft)
Weight	
MD5125C	19 731 kg (43,500 lb)
MD5125CL	20 412 kg (45,000 lb)

Boom Capabilities

Model C - Telescopic

Boom length	2.6 m (8.5 ft)
Boom extension length	.9 m (3 ft)
Boom swing angle	15° left 21° right
Boom lift angle above horizontal	57°
Boom angle below horizontal	29°

Model CL - Fixed Boom

Boom length	2.8 m (9 ft)
Boom swing angle	15° left 21° right
Boom lift angle above horizontal	27°
Boom angle below horizontal	7°

Track Drills—MD5125

Rod Changer for MD5125C Linear

Number of rods x length
5 rods x 3.66 m (12 ft) + one in feed, 51 mm
4 rods x 3.66 m (12 ft) + one in feed, 60 mm or 68 mm

Rod Changer for MD5125CL Linear

Number of rods x length
4 rods x 6.1 m (20 ft) + one in feed, 51 mm
3 rods x 6.1 m (20 ft) + one in feed, 60 mm or 68 mm

30.48 m (100 ft) total steel length capability

Conveniently located controls

Power Unit

Cat® C11, 6-cylinder inline,
electronically controlled Tier III

Ambient temperature capability – 52° C (125° F)

Turbocharged, water-cooled, direct-injection aftercooled

242 kW (325 hp) at 1,800 rpm

1 372 m (4,500 ft) altitude before derating

Four pump drive box

504 kW (675 hp) maximum input rating; connection to engine
through elastic coupling

Automatic engine throttle control based on power demand

Dual-element air filter

Dual-fill, 416 l (110 gal) fuel tank

Air Compressor

Rotary screw-type compressor

189 l/sec (400 cfm) maximum

7 bar (100 psi) maximum

Dual-element air filters with indicators

Hydraulic System

Main pump for drill, feed, positioning and one (1) tram motor

Pressure-compensated axial piston type

Full flow supercharged inlet

Main pump for compressor and one tram motor
(same as above)

Rotation pump

Pressure-compensated axial piston type

Gear pump for dust collector

Convenient pressure gauges and taps

High-impulse spiral-wrapped hose

Full-flow filtration – 10 micron

303 l (80 gal) sealed and pressurized hydraulic tank

Full-flow cooling

Manual “make-up” fill pump with 10 micron filter

Cooling Package

Coolers for engine, hydraulic and compressor systems

88.9 cm (35 in) fan assembly

Side-by-side arrangement

Dust-Collection System

HDE1200

15.24 cm (6 in) suction hose

Feed-mounted precleaner and pickup pot

42 m² (456 ft²) of filter area

Reverse pulsing for cleaning

Operator's Swing Cab

48° swing and 30° tilt

Less than 85 dB(A) noise level

Air conditioner

Comfortable adjustable seat

Window washer & wipers

Undercarriage

Excavator D-4 type track

Case-hardened steel track bushings

Solid case-hardened steel track pins

Triple grouser 380 mm (15.1 in) wide

Excavator-type track rollers

Static load each 29 938 kg (66,000 lb)

Dynamic load sealed, oil-filled 9 979 kg (22,000 lb)

Front idler, sealed, oil-filled

Ground clearance 280 mm (11 in)

Gradeability 35° 56%

Ground pressure (base machine) 1.31 bar (19.2 psi)

Track gauge 198 cm (78 in)

Speed maximum 3.44 kph (2.1 mph)

Track oscillation + 8°

Track Drills—MD5125

Controls

Pressure-Compensated Flow and Directional Control

Valves for:

- Drill hammer
 - Drill rotation
 - Drill feed
 - Feed pressure adjustment
 - Tramming
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Automatic engine throttle control based on power demand

Remote air output flow control

Conveniently grouped

Ergonomic layout

Completely sealed electric gauges and switch panel

Electronics Display

Tachometer

Hourmeter

Amp meter

Oil pressure

Water temperature

Drill rotation

Feed pressure

Air compressor circuit/left-hand tram

Engine oil pressure

Main hydraulic supply/right-hand tram

Engine tachometer and hourmeter

Air pressure

Fuel level/sight tube

Compressor temperature

Rotation pressure

Hammer pressure

Engine water temperature

Voltmeter

Shutdown Features

Low engine-oil pressure

High compressor discharge temperature

High engine-water temperature

Swipe switch at the end of feed

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