

# DR560

## DTH drill



## PERFORMANCE

### Compressor

Working pressure, max	34.5 bar	500 psi
FAD, at 1800rpm max working pressure	543 l/s	1150 cfm
FAD, at 2100rpm 350 psi (24.1 bar)	637 l/s	1350 cfm

### Hole Range

Hammer size, min	102 mm	4 in
Hole depth, carousel	42.6 m	140 ft
Hole size, max	216 mm	8.5 in
Hole size, min	115 mm	4.5 in

### Engine

Turbo charged, diesel engine	QSK 23	Tier II
Power rating at 1800 rpm	641 kW	860 HP
Radiator (max cooling capacity)	52°C	125°F

### Tramming

Tramming speed, high gear	5 km/h	3.1 mph
Gradeability	35%	
Brakes	SAHR	
Track oscillation (independent)	±10°	
Ground clearance	530 mm	21 in

## Standard Specifications

Carrier		
Hi-Intensity discharge lighting system (9 lights)		
Warning lamp and reverse buzzer		
Ground level engine start/stop at tram step		
Battery disconnect switch		
Caterpillar® chassis and triple grouser shoes		
Fixed winch		

Dust Suppression: Water Injection System		
Triplex pump	0-45 lpm	0-12 gpm
Holding tank capacity	1135 l	300 US gal

Engine		
Turbo charged, diesel engine	QSK 23	Tier II
Power rating at 1800 rpm	641 kW	860 HP
Mesabi Radiator (max cooling capacity)	52°C	125°F

Feed		
Feed rate, max	1.3 m/s	257 ft/min
Hoisting, max	47 kN	10 600 lbf
Pulldown, max	47 kN	10 600 lbf
Total Length	10 185mm	33' 5"
Travel Length	7 315mm	24'
Feed Extension	1 371 mm	4' 6"

Breakout System		
Jaw rotation	15°	
Clamping force	288 kN	64 800 lbf

Top Drive		
Rotation torque	5730 Nm	4225 ft-lbs
Rotation speed	0 - 80 rpm ∞ variable	

Compressor		
Two stage screw type compressor		
Working pressure, max	34.5 bar	500 psi
FAD, at 1800 rpm max working pressure	543 l/s	1150 cfm
FAD, at 2100 rpm 350 psi (24.1 bar) working pressure	637 l/s	1350 cfm

Electrical System	
Voltage	24V
Batteries	4x 12V, 190 Ah
Alternator	CAT 24V 100 Ah
Lights	
Front	5x 55W HID 2x 6
Rear	2x 65W
Side	2x 55W HID

Carousel		
Capacity, standard	6 rods (5 rods for OD 140 mm (5.5 in))	
Rod size, max	140 mm	5.5 in
Rod size, min	89 mm	3.5 in
Rod length	6,1 m	20 ft

Hydraulic System		
Hydraulic oil cooler		
Upper design temperature	52°C	126°F
Pumps		
Axial piston pump 1	100 cc/rev	6.1 cu in/rev
Axial piston pump 2	100 cc/rev	6.1 cu in/rev
Axial piston pump 3	71 cc/rev	4.3 cu in/rev
Return and pressure filters (3 x 2 filters)		
Filtration rate	5 µm absolute	

Hammer Lubrication		
Positive metering of either:	type 000NLG1	
• Grease lubricant		
• Rock drill oil		
Metering capacity, max	1 500 cc/hr	91.5 cu in/hr
Metering capacity, min	60 cc/hr	3.7 cu in/hr

Volumes		
Hydraulic oil tank	303 L	80 US gal
Compressor oil	140 L	37 US gal
Diesel engine, fuel tank	1 400 L	370 US gal
Hammer lubrication tank	20 L	5.3 US gal

Safety Cabin	
Boom mounted with lateral swing and leveling control	
FOPS approved	
Sound insulated (<82 dB)	
Fully adjustable Operator's seat with vibration isolators	
Trainer's fold up seat	
360° Viewing windows	
Safety glass with removable escape window	
3 x wipers with washer (front shield and roof)	
Color touch screen operating system	
Electric combined inclination/hole depth instr.	
Cabin light	
12V outlet	
CD player with Bose speakers (Satellite Radio Compatible)	
Air Conditioner (14,400 btu cooling, 28,000 btu heating)	

Controls	
Electric/hydraulic controls	
Manual override, on tram step	
Can-Bus controller/computer	

## Selection of Optional Equipment

Carousel Option		
Carousel	Pipe diameter (for 20' pipe)	
8 Drill Pipe	89 or 102 mm	3.5 or 4 in.

Fire Suppression Options	
Automatic	Ansul System - 10 nozzles
Manual	Ansul System - 10 nozzles

Winterization Package Options	
Tier I Winterization: 52°C to -15°C (126°F to -5°F)	
Tier II Winterization: 52°C to -40°C (126°F to -40°F)	
Tier III Winterization: 52°C to -50°C (126°F to -58°F)	

Top Drive Option		
Rotation torque	up to 8 515 Nm	6280 lb-ft
Rotation speed	0 - 54 rpm ∞ variable	

Lubrication Options	
Auto lubrication (Lincoln 69 point)	

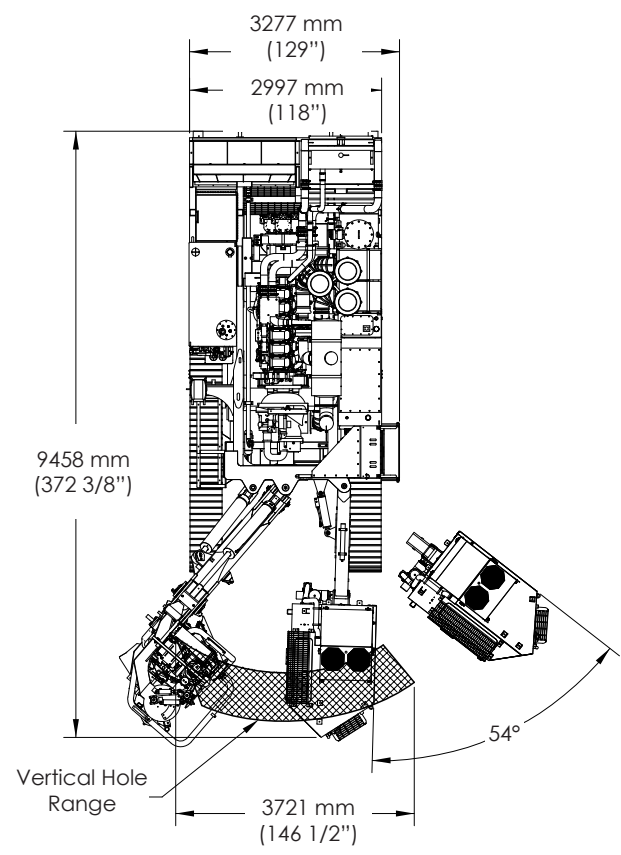
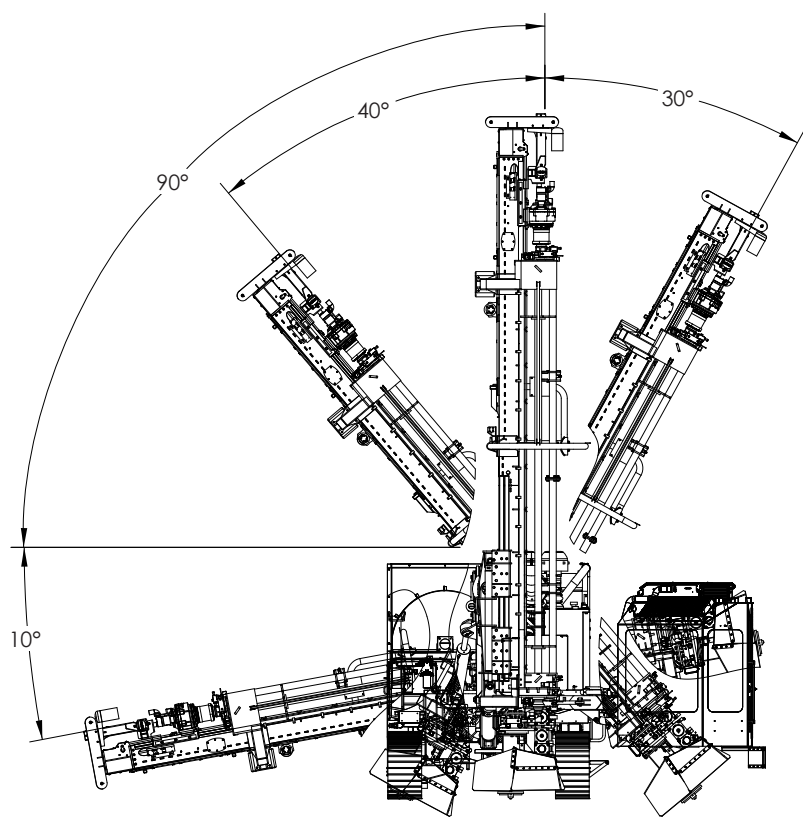
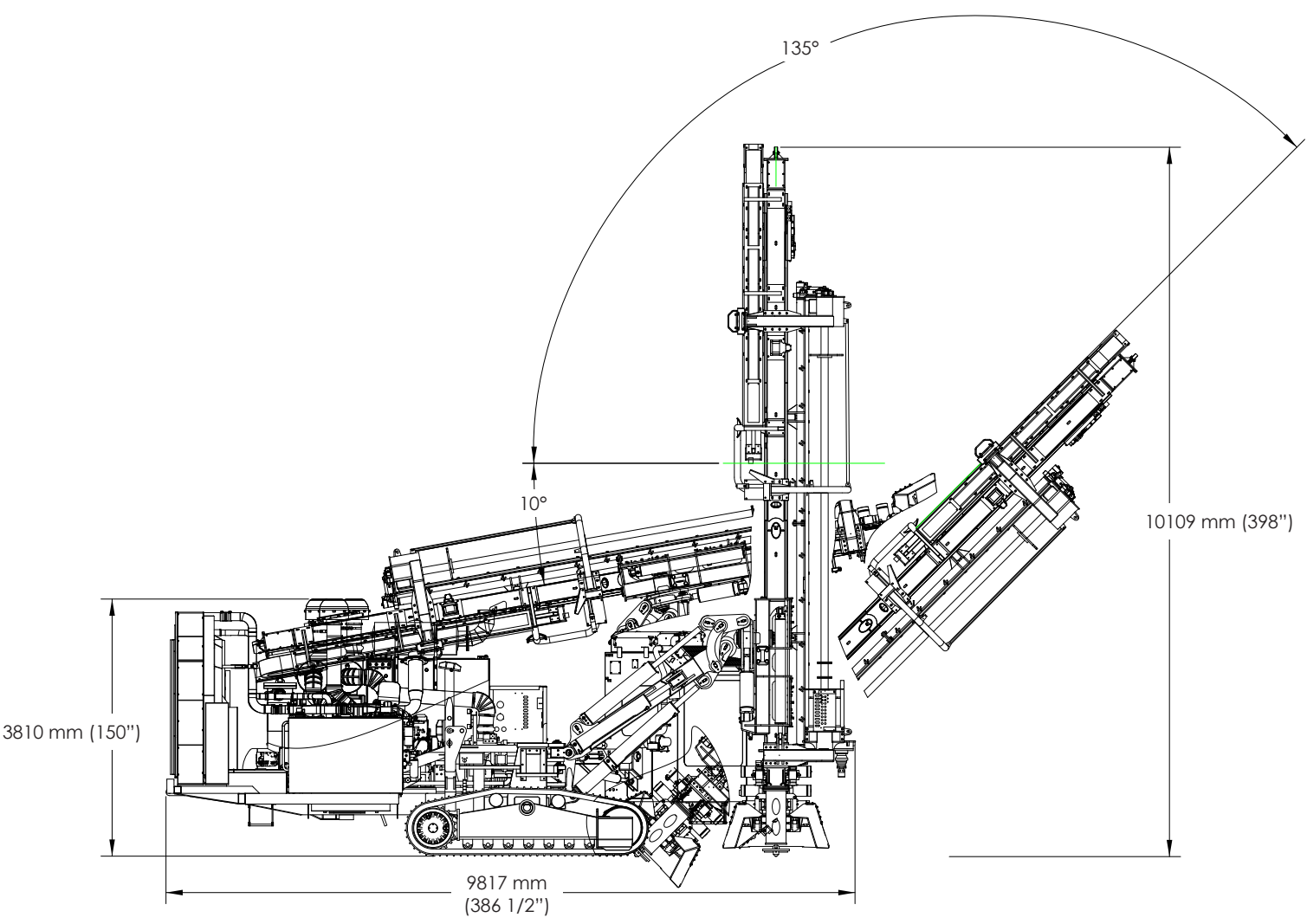
Reverse Circulation Option	
<ul style="list-style-type: none"> <li>Complete Sandvik rotational cone splitter with hydraulic leveling arm</li> <li>Reverse circulation 6240 top drive, complete with RC ceramic swivel</li> <li>Discharge hose</li> </ul>	

Dust Suppression Option: Dust Collection		
Dust collector blower capacity	1888 l/s	4000 cfm
Cycle time adjustment	0.5 to 5 seconds	
Filters	6	

Additional Options	
<ul style="list-style-type: none"> <li>Air Conditioner / Heater upgrade to Sigma TDR-7</li> <li>Data Communication System</li> <li>Depth measurement system</li> <li>Fast filling and evacuation system for fuel only</li> <li>Fast filling and evacuation system for engine oil, hydraulic oil, transmission oil coolant, fuel</li> <li>Petol chain wrench</li> <li>Portable fire suppression</li> <li>RPM indicator for top drive</li> <li>Tools to specifications</li> </ul>	

## Transport and Dimensional Specifications

Transport		
Height	3 810 mm	150 in
Length	11 405 mm	449 in
Width	3 000 mm	118 in
Weight excluding options (wet, incl drill pipes)	33 112 kg	73 000 lbs



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