

MD6290

Rotary Blasthole Drill



Rated Capacity

Bit/hole diameter	152-250 mm	6-9.875 in
Depth multi-pass (10 m/32 ft 9¼ in mast)	Down to 52.7 m	Down to 173 ft 0 in

Operating Temperature

Cold weather package option	-40° C	-40° F
Maximum ambient rating (standard)	52° C	125° F

Pull-down/Hoisting Capacity

Bit load force	Up to 23 733 kg	Up to 52,321 lb
Rated pull-down capacity	Up to 27 216 kg	Up to 60,000 lbf
Rated hoist capacity	Up to 21 364 kg	Up to 47,100 lbf
Feed rate	0-44.8 m/min	0-147 ft/min
Retract rate	0-46.6 m/min	0-153 ft/min
Head travel (10 m/32 ft 9¼ in mast)	11.79 m	464 in
Cable type – 25 mm (1 in)	DYFORM 8	

Rotary Drive System

Torque	0-12 880 N·m	0-9,600 lbf-ft
Horsepower capacity	135 kW	182 hp

Compressor (Standard)

Type	Oil-flooded, single-stage screw	
Discharge air flow (sea level)	30 m³/min	1,050 ft³/min
Maximum operating pressure	8.6 bar	125 psi

Compressor (Optional)

Type	Oil-flooded, single-stage screw	
Discharge air flow (sea level)	35 m³/min	1,250 ft³/min
Maximum operating pressure	8.6 bar	125 psi

Type	Oil-flooded, single-stage screw	
Discharge air flow (sea level)	48 m³/min	1,700 ft³/min
Maximum operating pressure	8.6 bar	125 psi

Type (high-pressure)	Oil-flooded, two-stage screw	
Discharge air flow (sea level)	33 m³/min	1,150 ft³/min
	38 m³/min	1,350 ft³/min
	43 m³/min	1,500 ft³/min
Maximum operating pressure	24.1 bar	350 psi

MD6290 Rotary Blasthole Drill Specifications

Engine (Standard) – C15

Model	C15 ACERT*	
Rated horsepower	403 kW	540 hp
Fuel tank	1382 L	365 gal
Optional fuel tank	1071 L	283 gal

Engine (Optional) – C27

Model	C27 ACERT**	
Rated horsepower	597 kW	800 hp
Fuel tanks	1382 L	365 gal
	1071 L	283 gal

Engine (Optional) – C27

Model	C27 ACERT**	
Rated horsepower	652 kW	875 hp
Fuel tanks	1382 L	365 gal
	1071 L	283 gal

*U.S. EPA Tier 3/EU Stage IIIA equivalent

**Tier 2 equivalent

Operator's Cab

Type	Shock-mounted; two-man, integrated FOPS certified	
Floor area	3 m ²	32.40 ft ²
Height inside	1943 mm	76.50 in
Windows (tinted safety glass in rubber mounting)	6 mm	0.25 in
Number of windows	10	
Number of doors	2 with windows (included in above)	
Climate Control	Wall mounted, AC/heating/pressurizing unit	
Other	Window wipers and washers	

Undercarriage – Cat® 336L

Number of rollers on each side	10	
Rock guards/chain guides	Standard full-length guards	
Maximum drive horsepower per track	146 kW	196 hp
Brakes	Spring set, hydraulic release	
Brake release	Automatic	
Tram speed		
Maximum	3.14 km/h	1.95 mph
Low speed	2.0 km/h	1.3 mph
Front	Three-point oscillating type	

Mainframe

Jacks, mast pivot and deck	Welded integrally to mainframe	
Machine deck	Access both sides	

Leveling Jacks

Number	4	
Lift capacity (each)	290 kN	66,500 lbf
Pad diameter	610 mm	24 in

Drill Table and Work Deck

Table height off ground	1321 mm	52 in
Drill deck area	6.86 m ²	73.8 ft ²

Accessories, Tools and Handling Equipment

Note: 4-pod carousel 10 m (32 ft 9¾ in) mast

Drill Pipe (optional)

Diameter (customer specification)	127 mm- 178 mm	5.0 in- 7.0 in
Wall thickness	19 mm	0.75 in
Length	10.67 m	35 ft
Threads	Depends on pipe diameter	

Top Adapter Sub

Diameter	Depends on pipe diameter	
Length	711 mm	28 in
Top thread (API Reg.)	140 mm	5.5 in
Bottom thread	Depends on pipe diameter	

Bit Sub (deck bushing)

Table bushing	Roller bushing or two-piece	
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Pipe Rack (outside the mast)

Type	Carousel, with stationary breaker plates	
Size of drill pipe/capacity		
10 m (32 ft 9¾ in) mast, 4 pipes	127 mm to 178 mm	5.0 in to 7 in
Length of drill pipe	10.67 m	35 ft
Location	Outside mast	

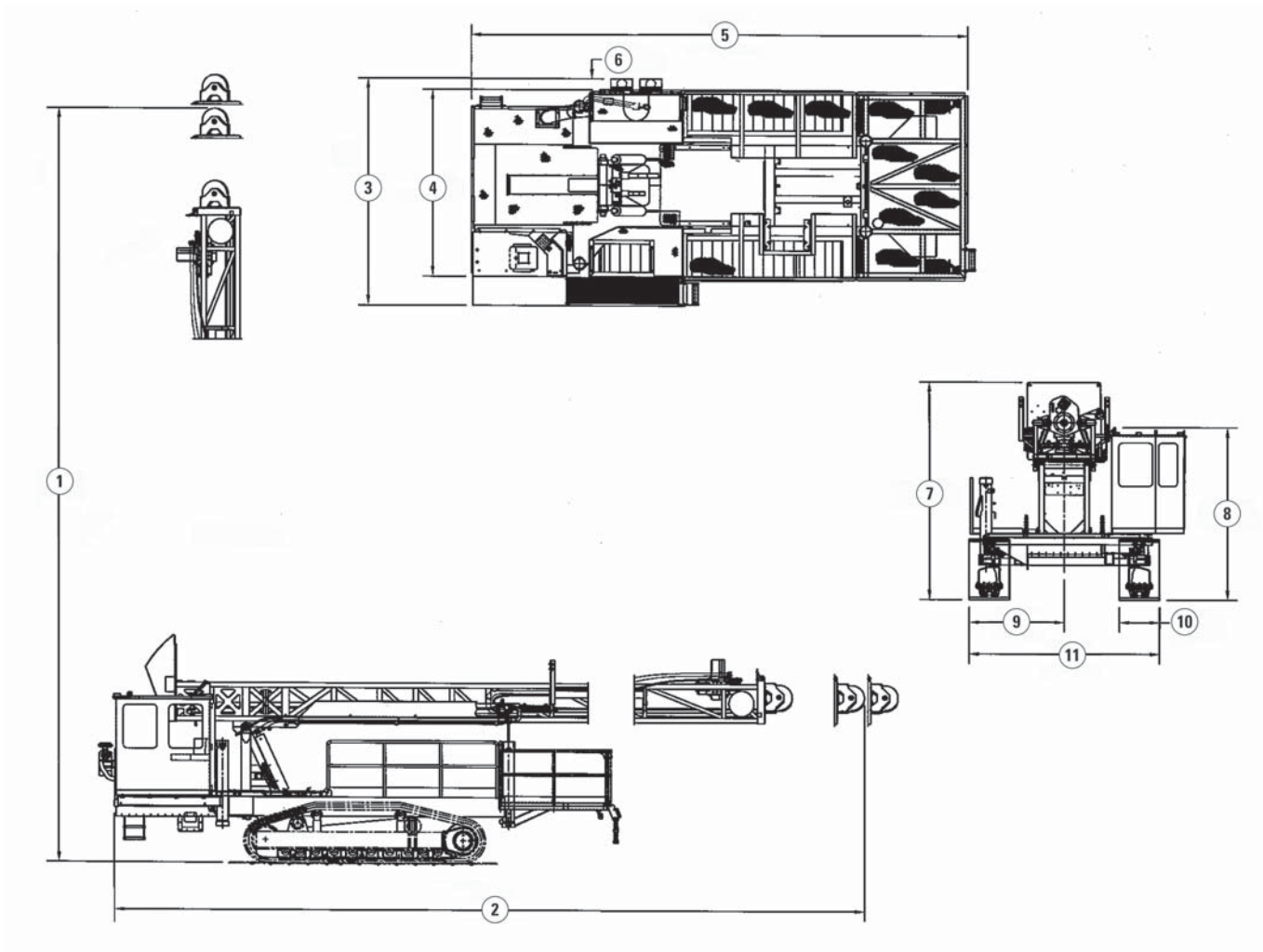
Winch System (mounted on the mast)

Rating	3629 kg	8,000 lb
Cable size	13 mm	0.5 in

MD6290 Rotary Blasthole Drill Specifications

Dimensions

All dimensions are approximate.



1	15.88 m	625.28 in
2	15.81 m	622.37 in
3	4.78 m	168.04 in
4	3.93 m	154.78 in
5	10.46 m	411.90 in
6	0.23 m	9.25 in

7	4.59 m	180.72 in
8	3.64 m	143.34 in
9	2.01 m	78.98 in
10	0.75 m	29.5 in
11	3.91 m	154.25 in

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