

# MD6290

## Rotary Blasthole Drill



### Rated Capacity

Bit/hole diameter	152-244 mm	6-9.625 in
Depth multi-pass (8 m/26 ft 3 in mast)	Up to 45.1 m	Up to 148 ft 0 in
Depth multi-pass (10 m/32 ft 9¾ in mast)	Up to 52.7 m	Up to 173 ft 0 in
Depth multi-pass (11 m/36 ft 0 in mast)	Up to 32.3 m	Up to 106 ft 0 in

### Operating Temperature

Minimum ambient rating (standard)	-1° C	30° F
Cold weather option	-40° C	-40° F
Maximum ambient rating (standard)	52° C	125° F

### Pull-down/Hoisting Capacity

Bit load force	Up to 23 737 kg	Up to 52,321 lb
Rated pull-down capacity	Up to 267 kN	Up to 60,000 lbf
Rated hoist capacity	Up to 210 kN	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 9¾ in mast)	11.79 m	464 in
Head travel (11 m/36 ft 0 in mast)	12.50 m	492 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	6.9 bar	100 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	10.3/24.1 bar	150/350 psi

# MD6290 Rotary Blasthole Drill Specifications

## Engine (Standard) – C15

Model	C15 (Tier 3)	
Rated horsepower	403 kW	540 hp
Fuel tank	1382 L	365 gal
Optional fuel tank	1071 L	283 gal

## Engine (Optional) – C27

Model	C27 (Tier 2)	
Rated horsepower	597 kW	800 hp
Fuel tank	1382 L	365 gal
Optional fuel tank	1071 L	283 gal

## Engine (Optional) – C27

Model	C27 (Tier 2)	
Rated horsepower	652 kW	875 hp
Fuel tank	1382 L	365 gal
Optional fuel tank	1071 L	283 gal

## Operator's Cab

Type	Shock-mounted; two-man, integrated FOPS certified	
Floor area	3 m <sup>2</sup>	32.40 ft <sup>2</sup>
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

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	2.9 km/h	1.8 mph
Two speed	2.0 km/h	1.3 mph
Gradeability mast down	53%/27.9 degrees	
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 <sup>2</sup>	73.8 ft <sup>2</sup>

## Accessories, Tools and Handling Equipment

**Note:** 4-pod carousel for 8 m (26 ft 3 in) and 10 m (32 ft 9¾ in) mast, 2-pod carousel for 11 m (36 ft 0 in) mast

### Drill Pipe (optional)

Diameter	114 mm-	4.5 in-
(customer specification)	178 mm	7.0 in
Wall thickness	19 mm	0.75 in
Length	9.14 m	30 ft
Optional 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

Table bushing (standard)	One (1) piece insert	
Table bushing (optional)	Roller bushing or two-piece	

### Pipe Rack (outside the mast)

Type	Carousel, with stationary breaker plates	
Size of drill pipe/capacity		
8 m (26 ft 3 in) and 10 m (32 ft 9¾ in) mast, 4 pipes	114 mm to 178 mm	4.5 in to 7 in
11 m (36 ft 0 in) mast, 2 pipes	114 mm to 178 mm	4.5 in to 7 in
Length of drill pipe	9.14 m	30 ft
Optional length of drill pipe	10.67 m	35 ft
Location	Outside mast	

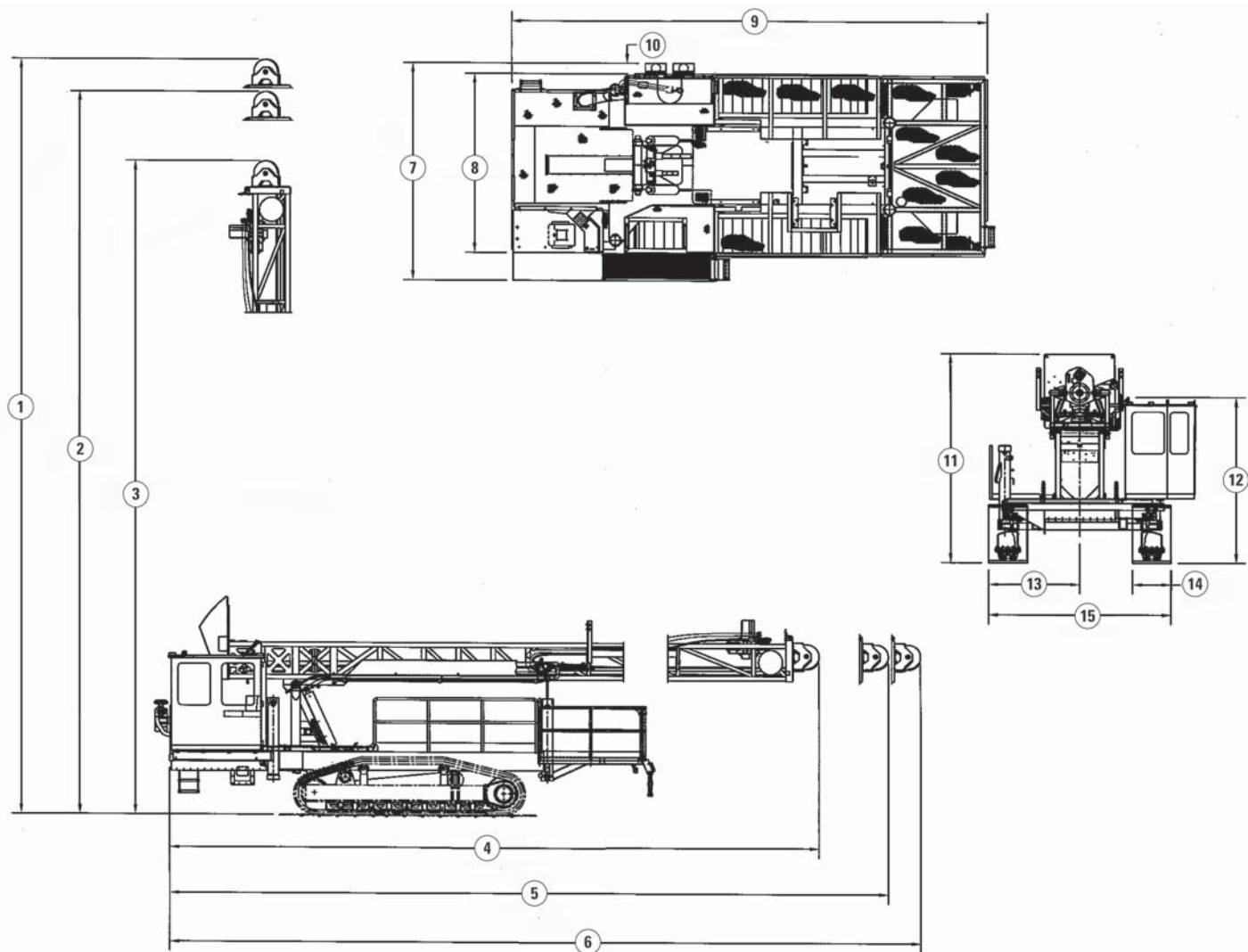
### Winch System (mounted on the mast)

Rating	1587 kg	3,500 lb
Cable size	13 mm	0.5 in

# MD6290 Rotary Blasthole Drill Specifications

## Dimensions

All dimensions are approximate.



<b>1</b>	16.59 m	653.28 in
<b>2</b>	15.88 m	625.28 in
<b>3</b>	14.36 m	565.28 in
<b>4</b>	14.28 m	562.37 in
<b>5</b>	15.81 m	622.37 in
<b>6</b>	16.52 m	650.37 in
<b>7</b>	4.78 m	168.04 in
<b>8</b>	3.93 m	154.78 in

<b>9</b>	10.46 m	411.90 in
<b>10</b>	0.23 m	9.25 in
<b>11</b>	4.59 m	180.72 in
<b>12</b>	3.64 m	143.34 in
<b>13</b>	2.01 m	78.98 in
<b>14</b>	0.75 m	29.5 in
<b>15</b>	3.91 m	154.25 in

# MD6290 Rotary Blasthole Drill

Materials and specifications are subject to change without notice.

Featured machines in photos may include additional equipment.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

© 2015 Caterpillar  
All Rights Reserved.

CAT, CATERPILLAR, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

Product ID: MD6290

AEHQ6540-02  
(Replaces AEHQ6540-01)

January 2015

