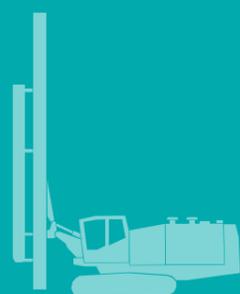


# D700

DOWN-THE-HOLE DRILL RIGS



BUILD THE FUTURE

# EVERDIGM

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[www.youtube.com/user/everdigm01](http://www.youtube.com/user/everdigm01)



[www.facebook.com/EverdigmCo](http://www.facebook.com/EverdigmCo)

# EVERDIGM

# D700

## EVERDIGM Down-the-hole drill rigs provide supreme advantage at diversified mining and quarry sites.

### Great versatility

Operator safety and ergonomics contributes to our drill rigs high long-term value. Simple and rugged, EVERDIGM also offers features such as angular and depth measurement, rotation and direction finder, all tailored to the customers specific requirements.

From its very beginning, the line was never about just selling a machine that drills holes. It was always about the customer's profitability and machines that added value efficiently. We have engineered drill rigs with more operator comfort, fuel efficiency, and ease of maintenance in mind.

### Main application

- Open-pit mining - Quarries - Construction



### Improved quality

- Productivity and dependability
- Powerful rotation unit and engine
- Serviceability and longevity
- ROPS/FOPS approved cabin in accordance with mining safety requirements
- Spacious and well designed cabin for more comfortable operation
- Durability with heavy duty parts
- Easy maintenance and fuel efficiency
- Developing Product Life cycle Management(PLM) system based on 3D design
- Constructing product reliability by utilizing structural analysis and finite elements method programs such as ANSYS and midas NFX



### Support & Committed service

- Customized education program
- Fast response and customer oriented attitude
- Giving practical solution working with major components company
- Professional technicians and engineers with foreign language and drilling terminology

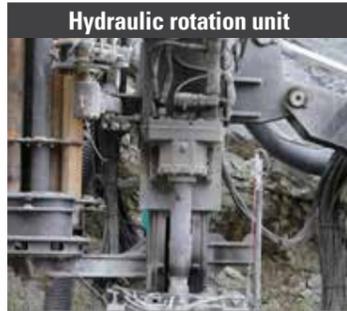


### World wide network

- EVERDIGM has wide network of professional service technicians spread in every corner of the world
- They are only a local phone call away, when you need help.

# STANDARD FEATURES

## GREATER PENETRATION AND PERFORMANCE!



**Hydraulic rotation unit**

ERD65  
- Max RPM 53 RPM, Max Torque 5,700 Nm



**Feed system**

Feed cylinder + Rope system  
- Feed force, max 8,992 lbf (40 kN)  
- Tractive pull, max 11,240 lbf (50 kN)



**Track oscillation system**

Independent oscillation  
- Angle 20° (F10° / 10°)  
- Easy movement on rugged ground condition



**Monitoring system**

- Engine condition monitoring  
- Compressor condition monitoring  
- Drilling pressures display  
- Failure log recording, Mast X-Y angle



**Cabin**

- Easy joy-stick control  
- Hydraulic and electronic combine  
- Spacious and well designed cabin for more comfortable operation  
- Air-conditioning and heater as standard  
- ROPs and FOPs approved cabin  
- Noticeable monitoring system



**Centralized auto greasing system for easy lubrication**



**Engine & Air compressor**

- CAT C13 Tier3 Engine Installed  
- Pump-Engine-Comp. Direct mounting  
-> Minimize loss of engine power  
- Compressor : GHH (Germany)



**Rear stabilizer**

To support machine for better straightness of drilling hole and maintenance



**Drilling depth & Angle indicator**

Efficient drilling support



**Water misting system**

Prevent hole crumbling and bit jamming during drilling



**Hydraulic winch**

Handling and lifting tube for installing and removing from ARC



**Electric pre-heating system**

Engine start below -50°C temperature  
Engine coolant hiting system by diesel fuel  
Webasto installed



**Electric re-fueling pump**

Fuel pump operated by electric control  
(For refilling fuel in a job site)



**Rear view camera**

To check an object on the rear side for safety



**Safety guard**

Protecting cabin glass from relatively bigger flying object



**Start motor shut down switch**

To cut electric line completely for parts safety during maintenance

# SPECIFICATION

Engine	
Model	Caterpillar C13, Tier 3
Rated output	328 kw (440 hp) at 1,800 rpm
Fuel tank capacity	206 gal (780 liter)

Hole range	
Hammer size	4" 5" 6" (102, 127, 152 mm)
Hole depth	180' (55 m)
Hole size	4.5" - 7.0" (115 - 178 mm)

Feed	
Max. feed rate	217 ft/min (1.1 m/s)
Max. hoisting	11,240 lbf (50 kN)
Max. pull-down	8,992 lbf (40 kN)
Total length	35.4' (10,800 mm)
Travel length	24.8' (7,570 mm)
Feed extension	4.3' (1,300 mm)

Compressor	
Model	HR2.5 (GHH rand)
Type	Two stage screw type
Working pressure max.	25 bar
FAD at 1800 rpm Max. working pressure	883 cfm (25 m <sup>3</sup> /min)

Rotary head	
Model	ERD65 (by EVERDIGM)
Max rpm	53 rpm
Max torque	5,700 Nm

Boom	
Type	One stage boom
Length	6.3' (1,920 mm)
Swing angle	L10° / R20°

Carousel	
Capacity, standard	8+1
Max. drill tube diameter	4.5" (140 mm)
Min. drill tube diameter	3.5" (89 mm)
Drill tube length	20' (6 m)

Electrical system		
Voltage	24V	
Batteries	2 x 12 V, 150 Ah	
Alternator	24 V, 80 A	
Working lights	Front	4 x 24 W
	Rear	3 x 24 W
	Working lights, feed	1 x 24 W

Dimensions	
Weight	54,013 lbs (24,500 kg)
Overall height	12.8' (3,900 mm)
Overall length	36' (11,000 mm)
Transportation height	11.5' (3,500 mm)
Transportation width	8.2' (2,500 mm)
Overall width	9.9' (3,020 mm)

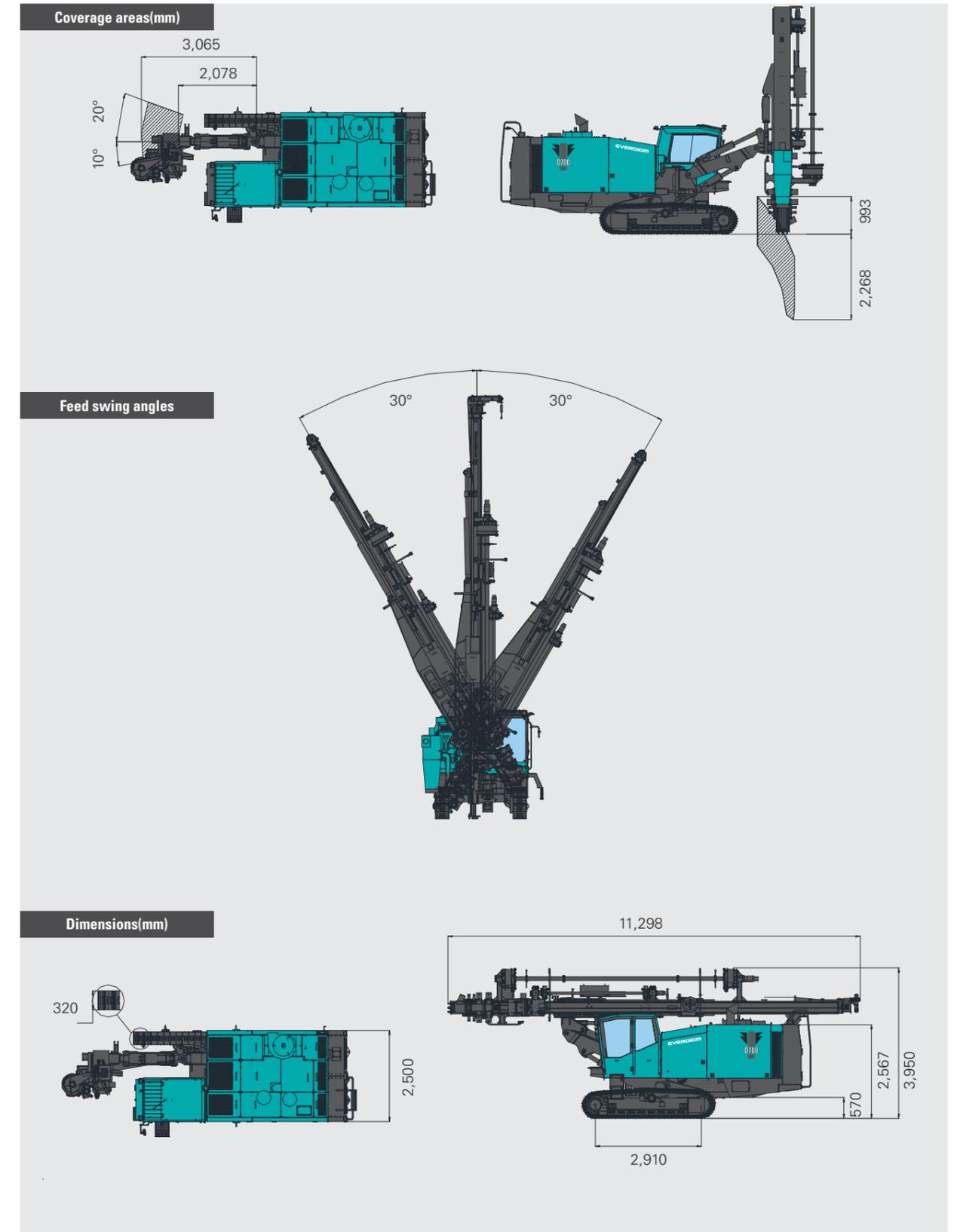
Tramming	
Tramming speed	2.4 mph (3.8 km/hr)
Grade ability	30°
Track oscillation (Independent)	20° (F 8.5° / R 8.5°)
Ground clearance	1.5' (450 mm)
Max. traction force	140 kN

Dust collector	
Suction capacity	2,472 cfm (70 m <sup>3</sup> /min)
Number of filters	18
Extraction methods	Auto air pulse jet
Max. cleaning air pressure	8 bar
Pre-cleaner	Standard

Hydraulic system	
Variable discharge	Axial piston pump (Load sensing) x 1
Fixed discharge	Gear pump x 5
Hydraulic oil tank capacity	98 gal (370 liter)
Hydraulic oil cooler	Proportional system
Filtration rate	10 μm absolute

Cabin	
Air conditioner, heater	
ROPS and FOPS approved	
Electric / Hydraulic joy stick control	

Selection of optional equipment	
Drilling depth & Angle indicator	
Water misting system	
Hydraulic winch system	
Electric pre-heating system	
Electric refueling pump	
Rear view camera	
Cabin safety guard	
Start motor shut down switch	
Rotating beacon	



\* Specifications contained in this catalog may be changed without prior notice for improvement of quality and performance.