

Powered by **Innovation**



DEVELON

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DEVELON

DR305

DR375

DR305 | DR375

Engine Power: 294 kW/1,800 rpm | 331 kW/1,800 rpm

Operating Weight: 105t | 115 ton

Max Pile Diameter: 2,500 mm |

Max Torque: 305 kN·m | 375 kN.m



DR305 DR375

DR305/DR375 is the rotary drilling rig specially designed by DEVELON in accordance with the NR4 emission standard.

It is widely applicable to the foundation work in the construction of high-speed railway, highway, bridge, real estate, and rail traffic.



- Reliable Brand, Trusted Engineering

- DEVELON's decades of experience in construction equipment industry ensures the knowledge and ability.
- Adequate developing and testing with the industry leading process bring superior design and proven quality in market.



- Best-in-class Components

- World renowned Scania engine calibrated for the drilling rig; Outstanding power and fuel economy
- Top performance Rexroth hydraulic product lineup
- Dedicatedly designed undercarriage with extended width



- More Optimizing, More Responsive

- Advanced FEH system controls the pump flow precisely and reduces response time.
- Efficient rock drilling; multiple and configurable working modes for different soil condition
- Auto-dump, stepless speed adjusting and auto-drilling allow more comfort in operation.

- Operating with Comfort and Safety

12.4-inch touch screen displays all useful information at a glance.

Automotive air conditioning system, heated air-suspension seat, excellent cab visibility and sealing, ergonomically designed joysticks and switches.

Top Performance



Engine

With more than a century of cutting-edge engineering and continuous improvement, Scania engine are designed and built to last and to save. It produces the required power with less fuel consumption.



Hydraulic Hose



The marketing-leading Parker hydraulic hose delivers high performance and can withstand the harshest working environments.

Undercarriage



The undercarriage is specially designed for the drilling rig. It is more stable in working and convenient in transportation. The rollers and track shoes are sourced from same suppliers of DEVELON excavators with proven quality in field.

Smart Heat Management System



DEVELON smart heat management system controls the independent oil cooler and radiator. It adjusts the fan speed dynamically based on hydraulic oil temperature and ensures the best state of engine and hydraulic system.

Hydraulic Components

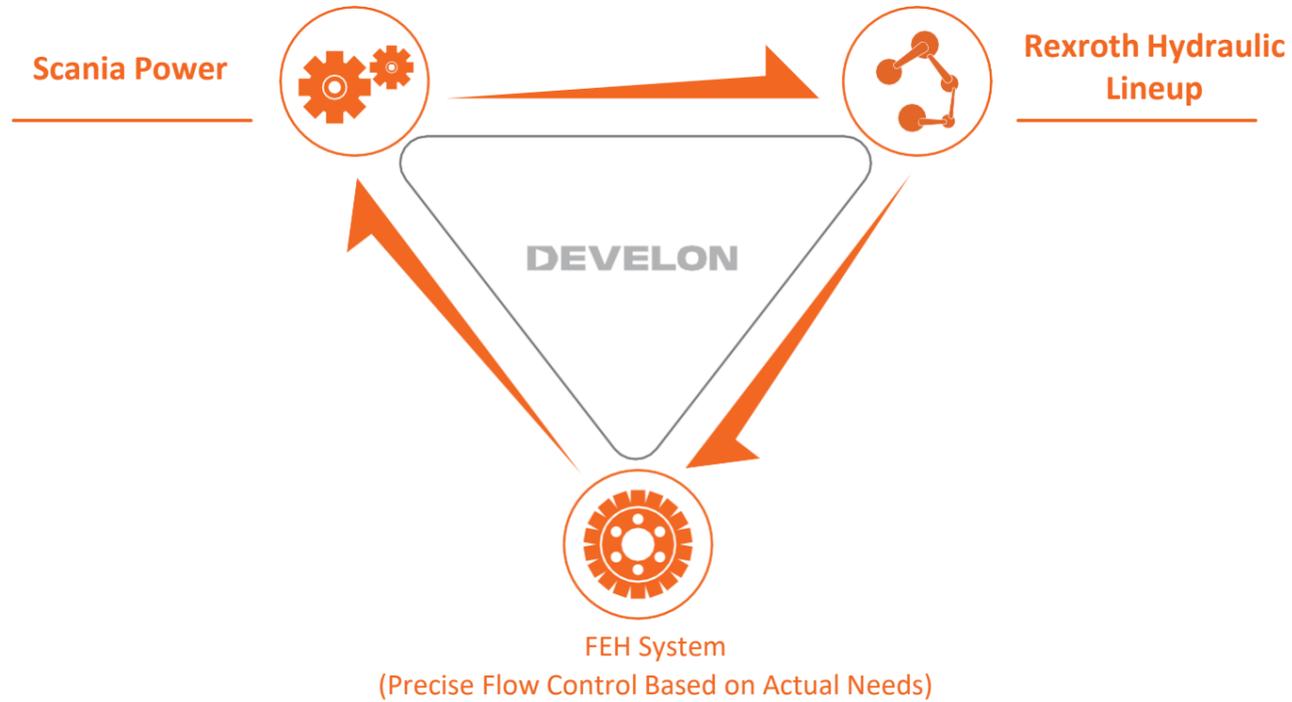


Rexroth electric main pump can output the required torque based on the real operating needs. All the key hydraulic components are from Rexroth lineup. They produce stable power with reliable quality.

More Optimizing, More Responsive

Benefits of Full Electric Hydraulic (FEH) System

1. More responsive to operator's action
2. Better control on micro and proportional actions
3. Modularized software architecture enhanced service convenience
4. Built-in Rexroth LLC40 load limitation function maximizes engine performance and fuel economy.



Multiple Working Modes

Along with the advanced EPOS system, the built-in multiple working modes can provide the best power with the best fuel efficiency based on the soil conditions.



Operating in Safety and Comfort

The 'Business-class' Cabin

- Vibration Damping
- Heated & Suspension Seat
- 360° All-around Visibility

Emergency Engine Stop

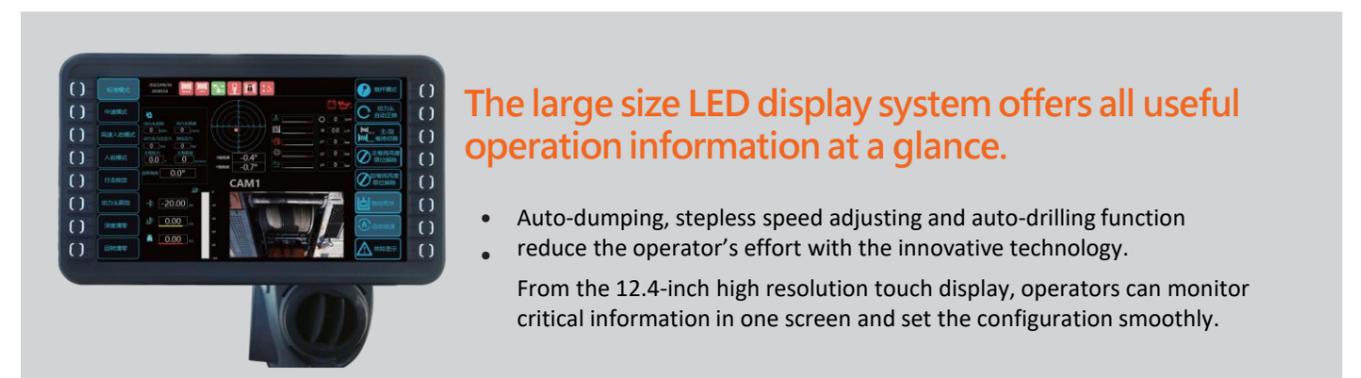
- In case of abnormal operation, use button can engine stop

Multi-function Joystick

- Ergonomically designed joystick offers easy and convenient control.

Entertainment

- 12V USB Charging port provides safety power supply for phone and other devices.



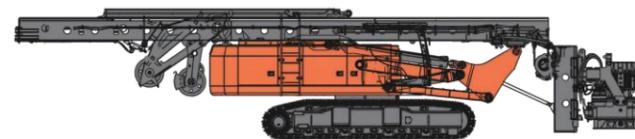
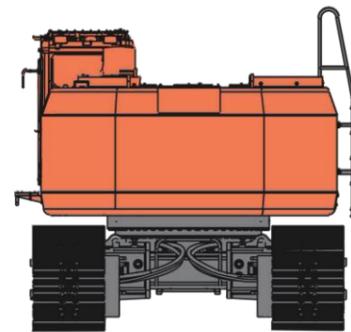
The large size LED display system offers all useful operation information at a glance.

- Auto-dumping, stepless speed adjusting and auto-drilling function
 - reduce the operator's effort with the innovative technology.
- From the 12.4-inch high resolution touch display, operators can monitor critical information in one screen and set the configuration smoothly.

DR305

Pile	
Max pile dia.	2,500mm
Max pile depth	Friction94m/Interlocking61m
Rotary Drive	
Max output torque	305kN.m
Speed of rotation	5~23rpm
Crowd System	
Crowd force	260kN
Line pull	335kN
Stroke	6,000mm
Main Winch	
Line pull	340kN
Rope dia.	36mm
Max line speed	72m/min
Aux. Winch	
Line pull	90kN
Rope dia.	20mm
Max line speed	70m/min
Mast Inclination	
Forward/backward	5/90°
Lateral	+4°
Overall Machine	
Operating weight	105t
Overall height	25,400mm
Transport width	3,520mm
Transport height	3,720mm
Engine	
Engine model	Scania DC13
Engine power	294kW/1,800rpm
Chassis	
Track length	6,130mm
Undercarriage width	3,460/4,760mm
Track shoe width	800mm
Swing radius	4,720mm
Kelly Bar	
Friction Kelly bar	∅508×6×17m (Opt)
Interlocking Kelly bar	∅508×4×16m (Opt)
Interlocking Kelly bar	∅508×4×17m

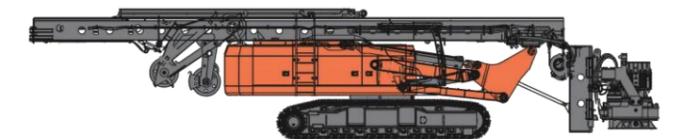
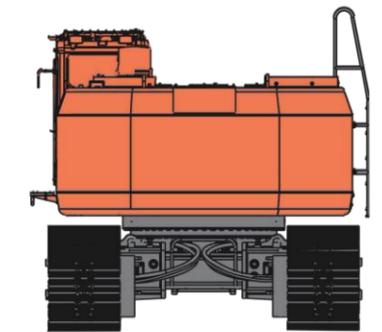
Note: Machine customization is available based on customer needs.



DR375

Pile	
Max pile dia.	2,500mm
Max pile depth	Friction100m/Interlocking65m
Rotary Drive	
Max output torque	375kN.m
Speed of rotation	5~26rpm
Crowd System	
Crowd force	300kN
Line pull	335kN
Stroke	6,000mm
Main Winch	
Line pull	365kN
Rope dia.	36mm
Max line speed	72m/min
Aux. Winch	
Line pull	90kN
Rope dia.	20mm
Max line speed	70m/min
Mast Inclination	
Forward/backward	5/90°
Lateral	+4°
Overall Machine	
Operating weight	113t
Overall height	26,460mm
Transport width	3,600mm
Transport height	3,675mm
Engine	
Engine model	Scania DC13
Engine power	331kW/1,800rpm
Chassis	
Track length	6,450mm
Undercarriage width	3,540/4,900mm
Track shoe width	800mm
Swing radius	5,510mm
Kelly Bar	
Friction Kelly bar	∅530×6×17m (Opt)
Interlocking Kelly bar	∅530×4×17m (Opt)
Interlocking Kelly bar	∅530×4×18m

Note: Machine customization is available based on customer needs.

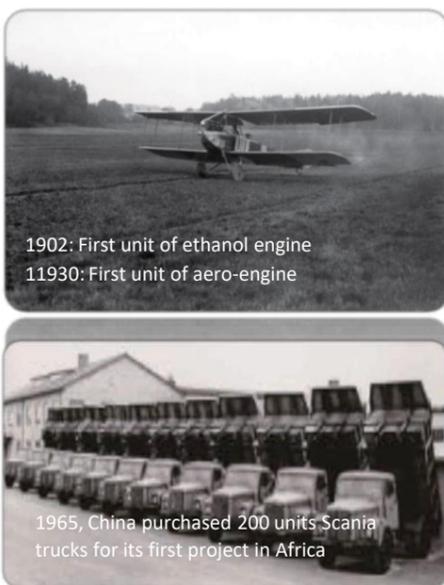


Scania: The Century-legend Power Provider

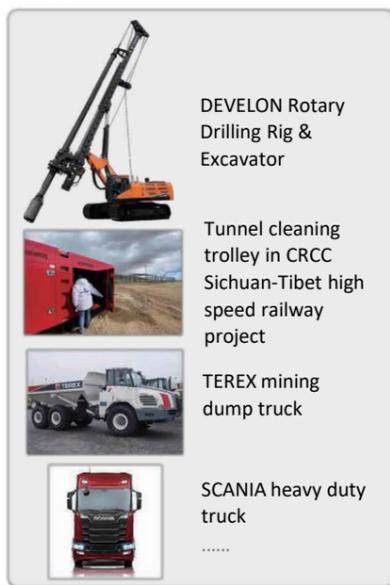
A Volkswagen Brand



Founded in 1897 with 50-year experience in China.



Supreme Power, Wide Application

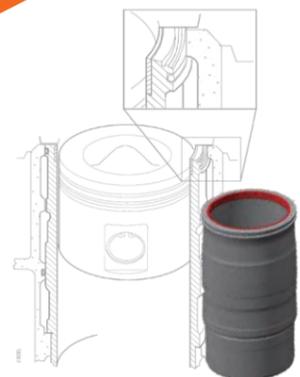


Promoted Caring, Attentive Service

DevelonCARE Service Program

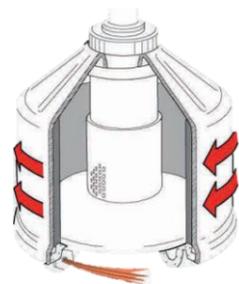


Benefits of Scania Engine

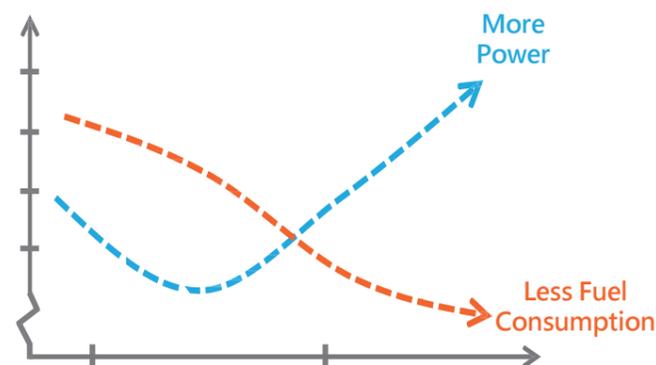


Carbon Scraper

Start cleaning and caring the engine in daily work



Centrifugal Engine Oil Pre-cleaner



High efficiency with low fuel cost

DEVELON Rotary Drilling Rig After Service

01

2-4-1 All-round Caring

Construction method consulting & field resident support

02

Prolonged Warranty

Reliable quality, no concern in the ownership

03

Intimate Service

One time purchase brings lifetime comfort

04

Convenient Service Network

Fast response to maximize machine uptime

The Global Parts Distribution Center Network

PDCs had been set up as shown below, including Mother PDC in Ansan, Korea. The nine other PDCs include one in China (Yantai), three in USA (Atlanta, Seattle and Miami), two in Europe (Germany and the UK), one in the Middle East (Dubai) and two in Asia (Singapore and Indonesia).

