

# SpeedROC 2F

Surface drill rig for marble, granite, and limestone in the dimension stone industry.

Hole diameter: 28–45 mm (1.1"–1.8")





# High productivity all-in-one

SpeedROC 2F is a complete solution to meet our customers' needs for increased productivity and reduced costs in the dimension stone industry.

Reliable SpeedROC 2F is a productive drill rig for the dimension stone industry. It is highly productive thanks to its long reach and fast positioning. This versatile machine has a flexible drilling capacity and excellent tramming stability. It is the perfect choice for granite, marble and limestone quarries.

## + Main benefits

**Fast drilling and positioning** offers high productivity

**360° carrier rotation and extensive boom reach** means large coverage area

**Outstanding terrainability and low fuel consumption** means efficiency in operations

# An on-shelf solution with productivity in mind

SpeedROC 2F is an on-shelf, CE-marked solution that assures fast and accurate drilling with well proven rock drills. This rotatable, radio remote controlled drill rig will live up to your expectations of safety and productivity.



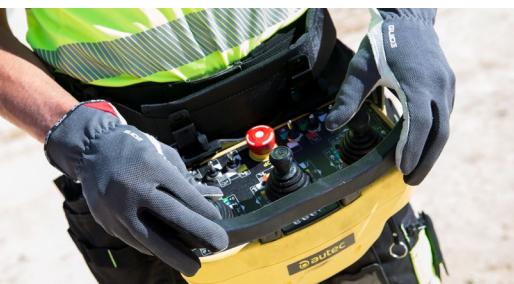
## + Two is better than one

Ideal for the dimension stone industry quarries, the SpeedROC 2F is equipped with two well-proven hydraulic rock drills. It assures fast and intuitive positioning and high speed drilling, which provides an impressive boost in productivity. The 360° rotatable boom swing saves time in both positioning and tramming.



## + Up to the vertical challenge

The design of the SpeedROC 2F, a four-wheel drive rig, makes it a stable partner for fast, steady movement even in difficult terrains. It is suitable for vertical drilling. For even safer drilling, it is designed with four support legs that ensures the stability of the machine even when it is used to the maximum of its capacity.



## + Safer operations

The CE-market machine is a result of the cooperation between Epiroc and Doosan, which meets our customers' needs of reliability in the whole operation. The Radio Remote Control allows the operator to always work in safe conditions and the optional tramming feature gives the advantage of easier positioning and a better overview of operations. Depending on conditions and environmental rules, the dust collector or the water mist system ensures a better working environment.



# A comprehensive service offering

Even the best equipment needs to be serviced regularly to make sure it sustains peak performance. An Epiroc service solution offers peace of mind, maximizing availability and performance throughout the lifetime of your equipment. We focus on safety, productivity and reliability.

By combining genuine parts and an Epiroc service from our certified technicians, we safeguard your productivity – wherever you are.

# Technical specifications

## Main Components

- 6 cylinder Doosan DL06 engine Tier 3A/Tier 4 Final
  - Two hydraulic rock drills
  - Two independent feed systems with rail bar
  - Device for asynchronous approach to the ground of the feeds
  - Dust Collection System
- Fast system steel retainer
  - Full Radio Remote Control (drilling/boom movement/tramming)
  - Four independent hydraulic stabilizer legs
  - Electronic Control System (ECS)
  - Protective Guard according to EN 16228

## Hole range (recommended)

| Available tophammer rock drill and hole range | Metric   | US          |
|-----------------------------------------------|----------|-------------|
| DF 500X, DF530X                               | 28–45 mm | 11"–18"     |
| Starter rod drill steel (hexagonal shape)     | 22 mm    | 0.9"        |
| Length                                        | 3.2–4 m  | 10.5'–13.1' |

## Engine

|                           | Power rating                 | Fuel consumption |
|---------------------------|------------------------------|------------------|
| Doosan DL06P Tier 4 Final | 139 kW/186 hp (at 1 900 rpm) | 11 l/h           |
| Doosan DL 06 Tier 3A      | 120 kW/161 hp (at 2 000 rpm) | 2.9 US gal/h     |

## Hydraulic system

|                                                    |        |
|----------------------------------------------------|--------|
| Axial pistons variable displacement main pumps x 2 | 120 cc |
| Gear pilot pump                                    | 14 cc  |

## Electrical system

|                                            |               |
|--------------------------------------------|---------------|
| Voltage                                    | 24 V          |
| Batteries                                  | 2x12 V 100 Ah |
| Alternator                                 | 80 A          |
| Additional working lights on drilling unit | 2x70 W        |
| Rear camera for tramming                   |               |
| Tramming lights                            |               |

## Drilling unit

|                                       |
|---------------------------------------|
| Oil heating system                    |
| Oil cooling system                    |
| Proportional control hydraulic valves |

## Volumes

|                               | Metric | US       |
|-------------------------------|--------|----------|
| Hydraulic oil tank (Tier 3)   | 118 l  | 31.2 gal |
| Hydraulic oil tank (Tier 4)   | 128 l  | 33.8 gal |
| Hydraulic oil, total (Tier 3) | 205 l  | 54.2 gal |
| Hydraulic oil, total (Tier 4) | 207 l  | 54.7 gal |
| Compressor oil                | 6.5 l  | 1.7 gal  |
| Diesel engine oil             | 27 l   | 7.1 gal  |
| Diesel tank (Tier 3)          | 350 l  | 92.5 gal |
| Diesel tank (Tier 4)          | 292 l  | 77.1 gal |

## Selection of options

- Cameras
  - Automatic drilling device
- Tramming by radio remote
  - Protective Guard

## Carrier

|                                              | Metric | US                 |
|----------------------------------------------|--------|--------------------|
| Tramming speed, max                          | 9 km/h | 5.6 mph            |
| Ground clearance: Tier 3                     | 350 mm | 13.8"              |
| Ground clearance: Tier 4                     | 335 mm | 13.2"              |
| 4WD                                          |        |                    |
| Four hydraulic stabilizer legs               |        |                    |
| Tramming angles downward/upward max          | 15°    | Cannot be combined |
| Tramming angles laterally, max (left, right) | 12°    |                    |

## Feed

| Chain feed, hydraulically driven | Metric         | US            |
|----------------------------------|----------------|---------------|
| Feed extension                   | 600 mm         | 23.6"         |
| Feed force, max                  | 6.5 kN         | 1461 lbf      |
| Tractive pull, max               | 6.5 kN         | 1461 lbf      |
| Total length                     | 4 000–4 800 mm | 157.5'–189.0' |
| Travel length                    | 2 550–3 350 mm | 100.4'–131.9' |

## Control system

|                                                         |
|---------------------------------------------------------|
| Electronically controlled                               |
| Radio Remote Control (Tramming/boom movements/drilling) |
| Drilling low start concerning feed force and percussion |
| Automatic Drilling device                               |
| Advanced anti jamming device                            |

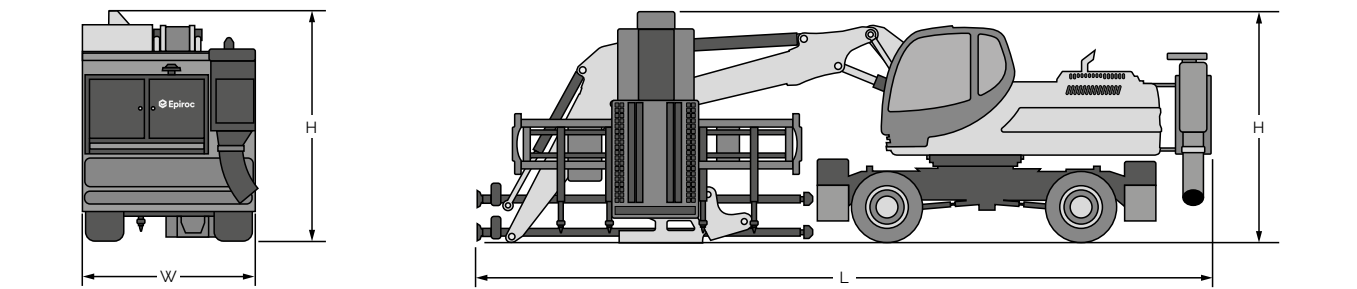
## Dust collector DCT 110D

|                       | Metric    | US         |
|-----------------------|-----------|------------|
| Filtering area        | 11 m²     | 1118 sq.ft |
| Suction capacity      | 200 L/s   | 424 cfm    |
| Suction hose diameter | 60–100 mm | 2.4"–3.9"  |
| Number of filters     | 11        |            |
| Auto-cleaning filters |           |            |

## Compressor

| Atlas Copco Ekomak IML 00602 | Metric   | US      |
|------------------------------|----------|---------|
| Air flow                     | 28.3 l/s | 60 cfm  |
| Maximum pressure             | 8 bar    | 116 psi |

Technical specifications

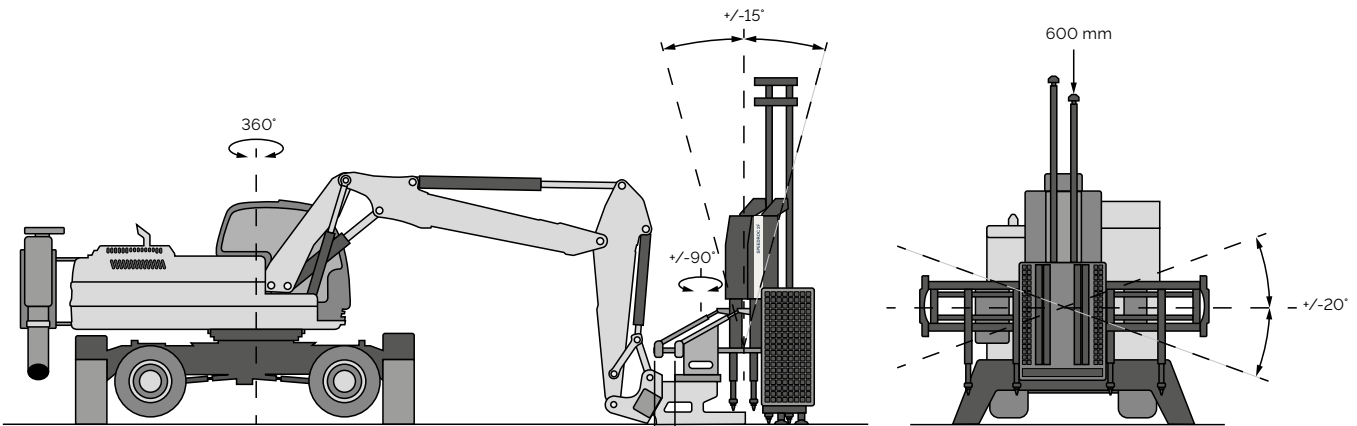


Height and length

|            | Metric    | US     |
|------------|-----------|--------|
| Height (H) | 3 300 mm  | 129.9' |
| Length (L) | 11 000 mm | 433.1' |
| Width (W)  | 2 550 mm  | 100.4' |

Weight

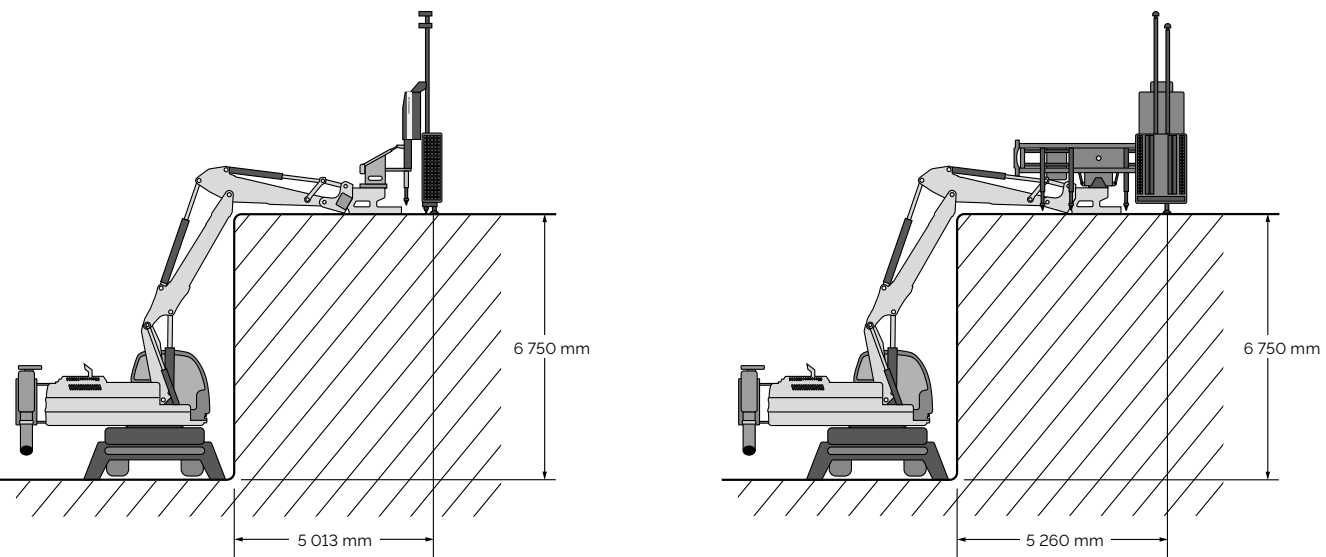
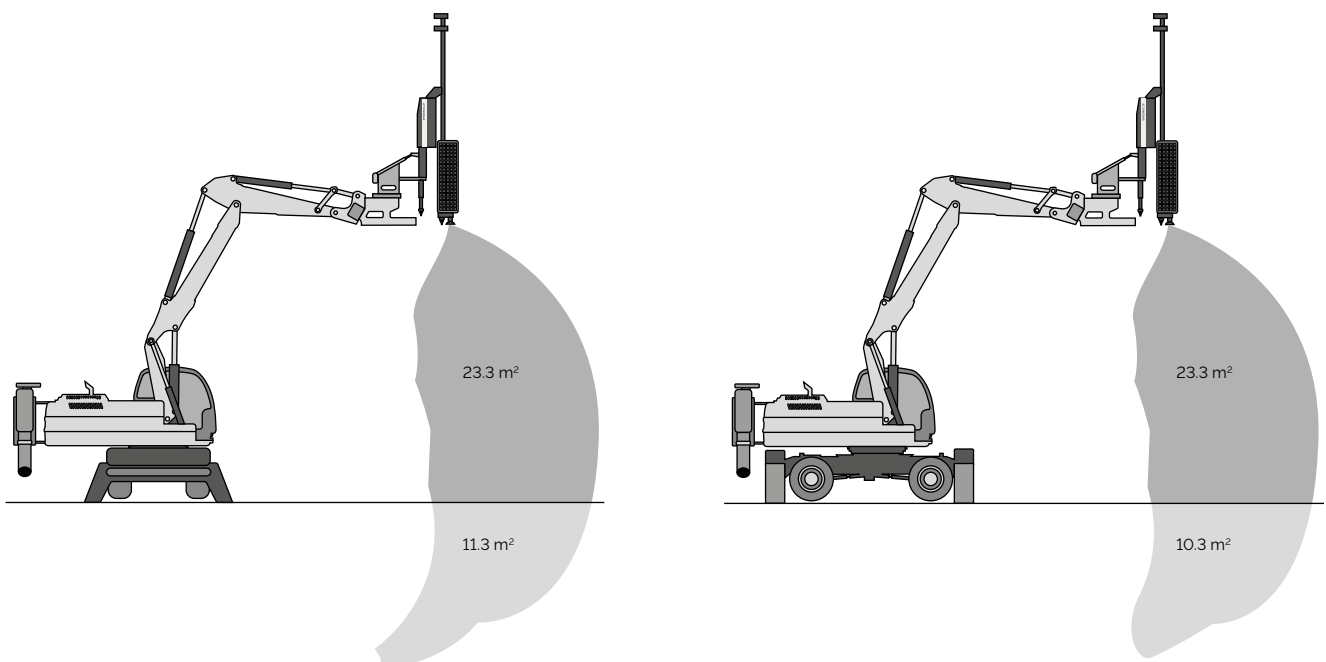
|                                                           | Metric    | US        |
|-----------------------------------------------------------|-----------|-----------|
| Standard unit excluding all options and drill rod, Tier 3 | 25 000 kg | 55 115 lb |
| Standard unit excluding all options and drill rod, Tier 4 | 26 100 kg | 57 540 lb |



Drilling angles, side view

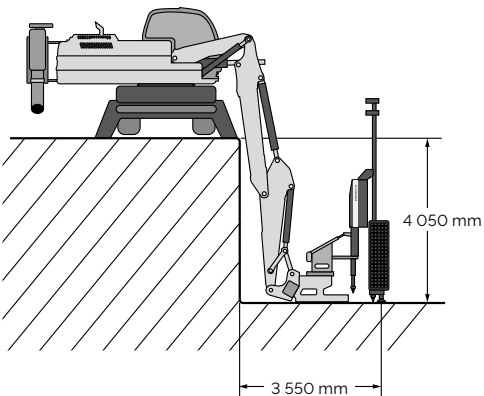
Drilling angles, front view

Technical specifications



Maximum height

Maximum height, rail rotated 90°



Minimum height

## United in performance. Inspired by innovation.

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