



# TB 225 C

## GENERAL SPECIFICATIONS

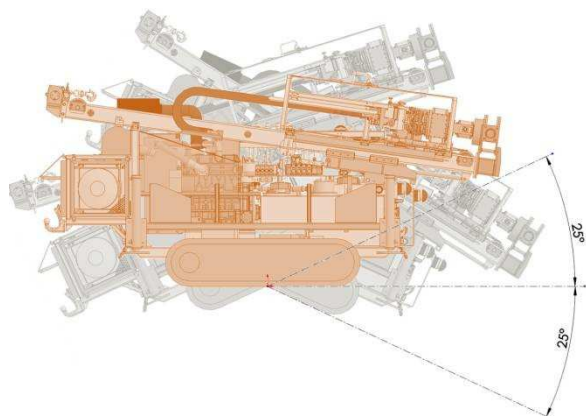
TB 225 C drilling rig is a self-propelled rubber track crawler (classified as a Cat. 2 work site machine as per Recommendation R.372, as amended). The rotary head is driven by a hydraulic back-geared motor. Rig movements are controlled using a remote control. Two side trays provide space for tool storage and battery. All drilling rig functions (except rig movements) are controlled using the control panel; the panel can rotate so that the operator can stand in the right position for drilling. Rig stabilisation is provided by four hydraulic jacks mounted with pilot operated check valves.

## TECHNICAL CHARACTERISTICS

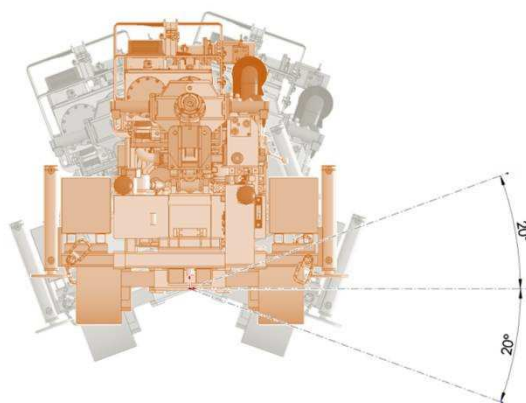
Dimensions	In transport	In operation
Length	4240 mm	3600 mm
Width	1615 mm	1615 mm
Height	1750 mm	4600 mm

Weight: 2700 kg.  
Track width: 250 mm. Length of tracks in contact with ground: 1390 mm.  
Ground clearance: 260 mm.  
Translation speed: 3km/h  
Ground bearing stress: 0.42 bar.

## AUTHORISED STATIC INCLINATION ANGLES



Slope (continuous)



Out of plumb

### HYDRAULIC MOTOR

Perkins motor; 4 jacks, fluid-cooled.  
Useful capacity: 38 kW at 3000 rpm (51 hp).  
3-case and single case gear pumps.  
Hydraulic tank: 100 L.  
Air-cooled, 12 V

### MAST

Hydraulic jack-lifted.  
Jack-driven cart and lifting chain.  
Standard stroke: 2300 mm  
Mast displacement stroke: 800 mm.  
Pullback strength: 5000 daN (theoretical at 200 bars).  
Bearing strength: 3000 daN (theoretical at 200 bars with anchored rig).  
Max. thrust speed at work: 18 m/mn.  
Max. pullback speed in manual mode: 38 m/mn.  
Max. progression speed in manual mode: 3 km/hr.

### HYDRAULIC CLAMPING JAW

The drill rig is equipped with a double clamping jaw.  
Rod clamp: 20 to 180 mm.  
Clamping force: 6000 daN maximum (each).

### ROTARY HEAD WITH HAMMER

Composed of a power divider with reducer, variable cylinder displacement motor, and hydraulic hammer.  
R66 male outlet on right side and R38 female outlet on left side.

Volumetric	Maximum	Minimum
Maximum	250 m.daN	60 m.daN
Maximum	125 rpm	500 rpm

### HANDLING WINCH:

Lifting power: 680 daN.  
Maximum lifting speed: 40 m/mn.  
Hydraulic load restraint system.

### INJECTION PUMP:

Maximum flow: 105 L/mn.  
Maximum pressure: 25 bars.  
Hydraulic drive.

### COMPATIBLE TOOLS (not supplied)

#### DESTRUCTIVE DRILLING

##### Rotary:

Knurled tricône (Ø 66 to 89 mm).  
Three-wing bit (Ø89 mm to 187mm).

##### Rotary with hammer:

Bit (Ø56 to 150 mm).  
Down-the-hole hammer (2v-3v-4v).  
Odex, 76 mm (top hammer).  
Odex, 90-115 mm (down-the-hole hammer).  
**Auger:** Ø63, 85, 102, 140 mm.

#### CORE DRILLING

##### Driven:

Sampler (Ø64, 76, 91, 105, 111, 125 mm).

##### Rotary:

Double core barrel (Ø, 76, 91, 105, 116 mm).  
Single core barrel (Ø101, 116, 131, 146 mm)

#### CAPACITY (depending on soil

conditions):  
70 m in core drilling,  
110 m with a tricône.



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