

Tunnel Excavator

Model TE 210 D #0553



Informations

- For heading in soft ground.
- Short excavation boom with swivel dipper stick.
- Construction year 2014

Technical data TE 210

Drive units

- Liquid-cooled turbocharged diesel engine Deutz TCD 2013 L06 2V
- Power rating at 2,000 r.p.m 165 kW
- Particules filter device Physitron
- Diesel engine complies with emission standard Eur Stage 3a
- Fuel tank capacity 410 l

Crawler-type undercarriage

- Undercarriage with dozer blade 2'700 mm
- Hydrostatic travel drive via 3-stage planetary gear
- Travel speed 0 - 1,7 / 4,5 km/h
- Crawler chain type B60
- Length 3'450 mm
- Width of triple grouser shoes 500 mm (in option 400 mm)
- Crawler chain drawbar pull 280 kN
- Gradeability max. 100%

Hydraulic system

- Output controlled dual axial piston pump with «load-sense» control and electronic power limit control
- Pump capacity 520 + 90 l/min
- Hammer / TCU control circuit 280 l/min
- Max. hydraulic operating pressure 350 bar
- Hydraulic capacity (incl. system) 450 l
- Hydraulic oil tank capacity 370 l
- Hydraulic oil filter: Full-flow return filter with contamination indicator
- Filter fineness: 10 µm

Operating data

- Maximal vertical reach 8'100 mm
- Maximal digging depth 2'850 mm
- Minimal operating height 4'700 mm
- Minimal overhead clearance 3'300 mm
- Machine width lower carriage 2'500 mm
- Machine width upper carriage 2'700 mm
- Machine height over cab 3'100 mm
- Machine height for transport 3'300 mm
- Rear swing radius 2'250 mm
- Minimal swing radius 3'670 mm
- Operating weight, acc. to equipment 28 t

Boom Equipment

- Monobloc tunnel boom equipment composed of:
- a basic jib with double lift rams
- a tunnel swivel console 2x45°
- a dipper stick with double lift rams and integrated bucket ram
- Length of the standard dipper stick 2'880 mm
- Dipper stick crowd distance (in 4,7m height) 2'400 mm
- Width of standard ripper bucket with 2 teeth Esc V51 660 mm
- Bucket radius 1'175 mm
- Ripping force 100 kN
- Breakout force 140 kN

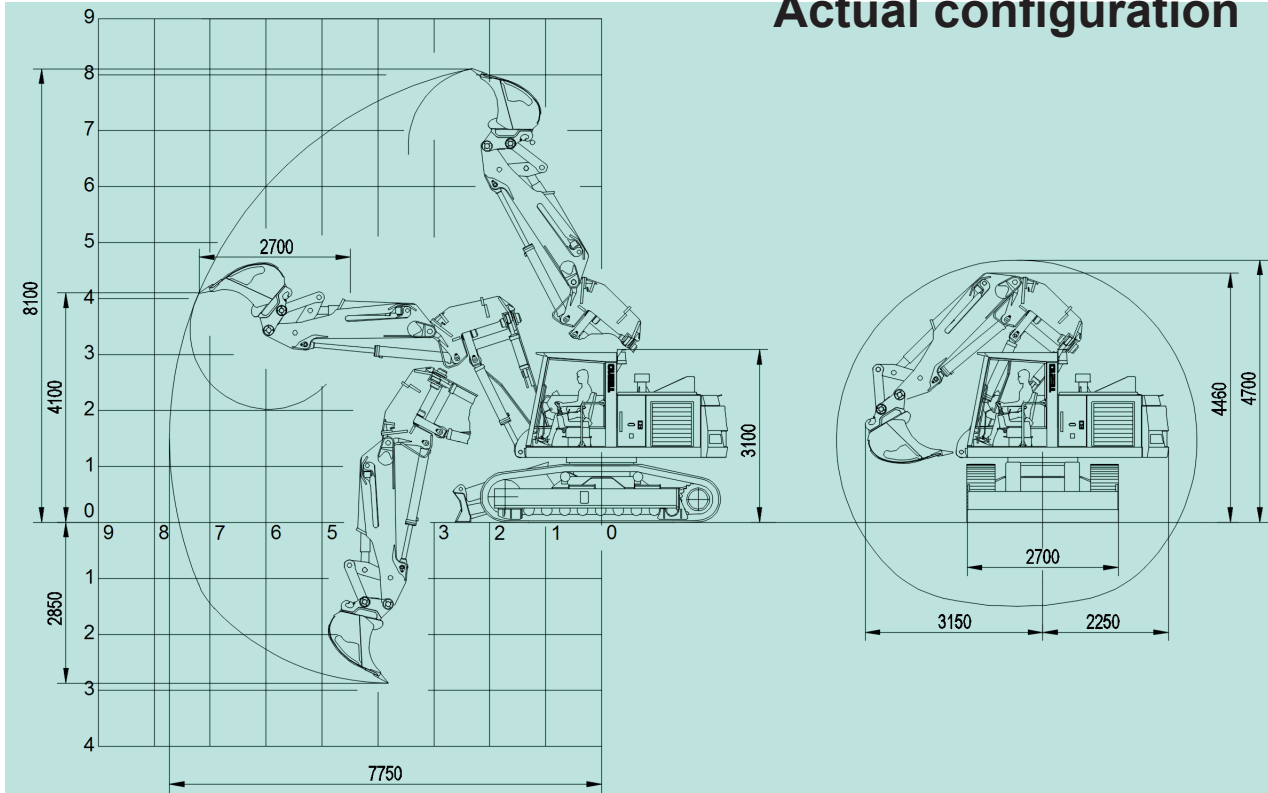
Installed options:

- Hydraulic circuit for Rock breaker, TCU
- Non-return valve on boom cylinders
- Central greasing device
- Fire extinguishing device

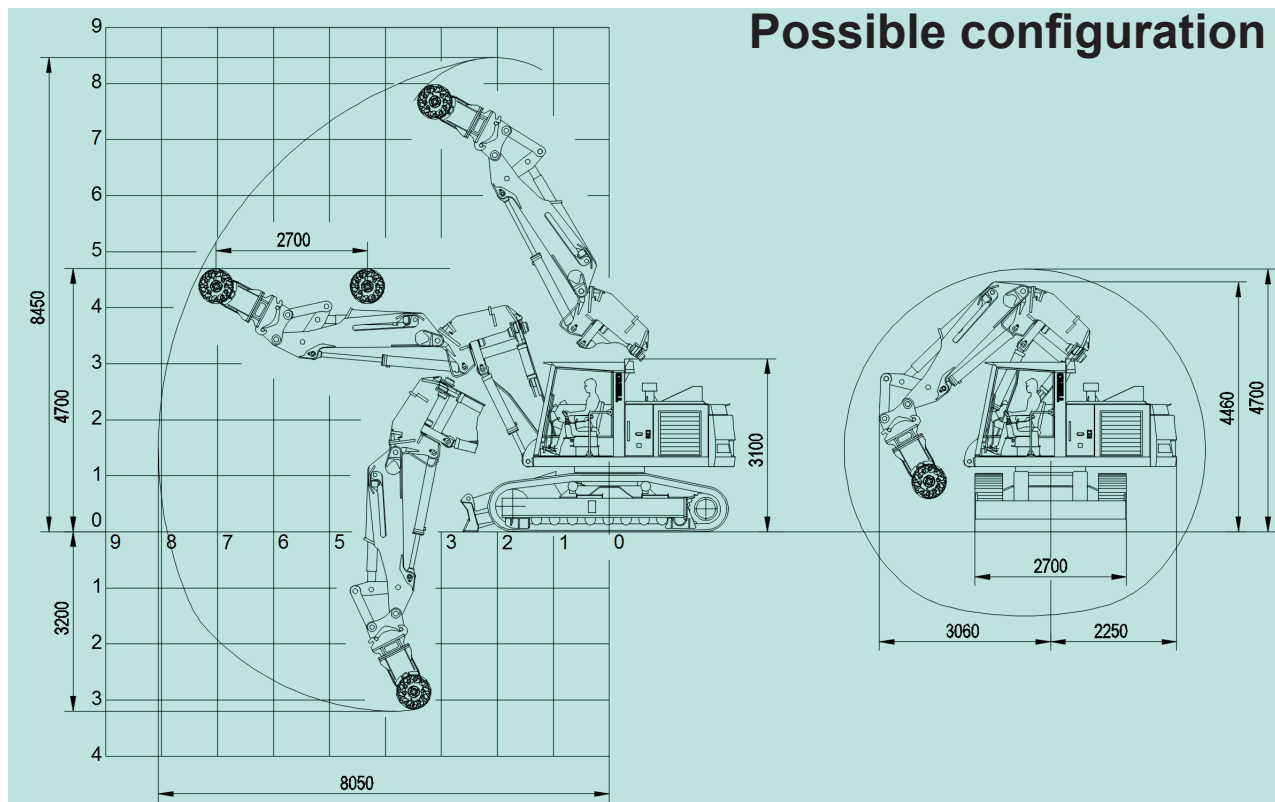
Options:

- Excavation bucket
- Loading bucket
- Quick hitch

Actual configuration



Possible configuration



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