

# Tunnel Excavator

## Model TE 210 #0551



### Informations

- For heading in soft ground.
- Excavation boom with swivel dipper stick.
- Construction year 2014
- Diesel drive 3'410 h

### Technical data TE 210

#### Drive units

Water-cooled turbocharged diesel engine.	Deutz TCD 2013 L06
Power rating at 2,000 r.p.m	165 kW
Diesel engine complies with emission standard	Eur St. 3a
Fuel tank capacity	410 l

An alternative to the standard Diesel drive is the 132 kW electric drive for increased machine versatility and operation in environments where compressed-air heading method is applied.

#### Crawler-type undercarriage

Undercarriage with dozer blade	2'700 mm
Hydrostatic travel drive via 3-stage planetary gear	
Travel speed	0 - 1,7 / 0 - 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	240 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
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

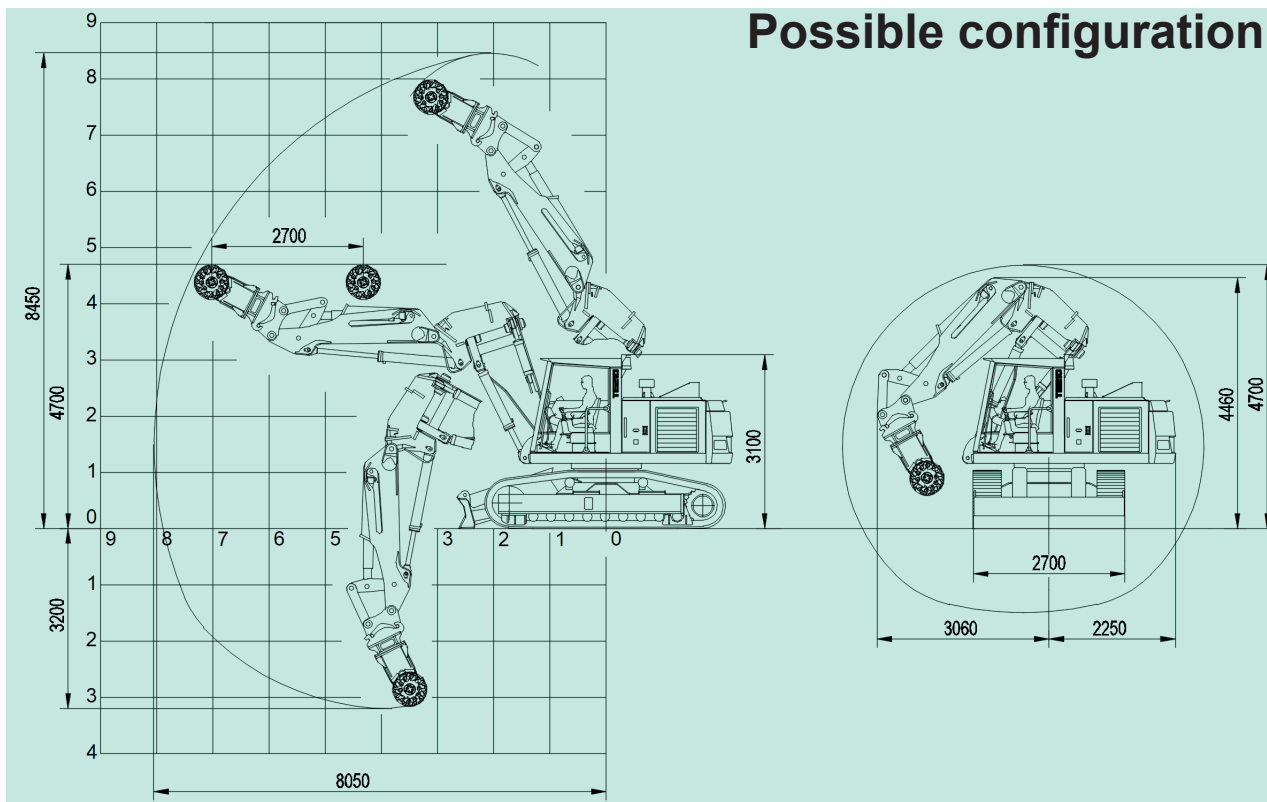
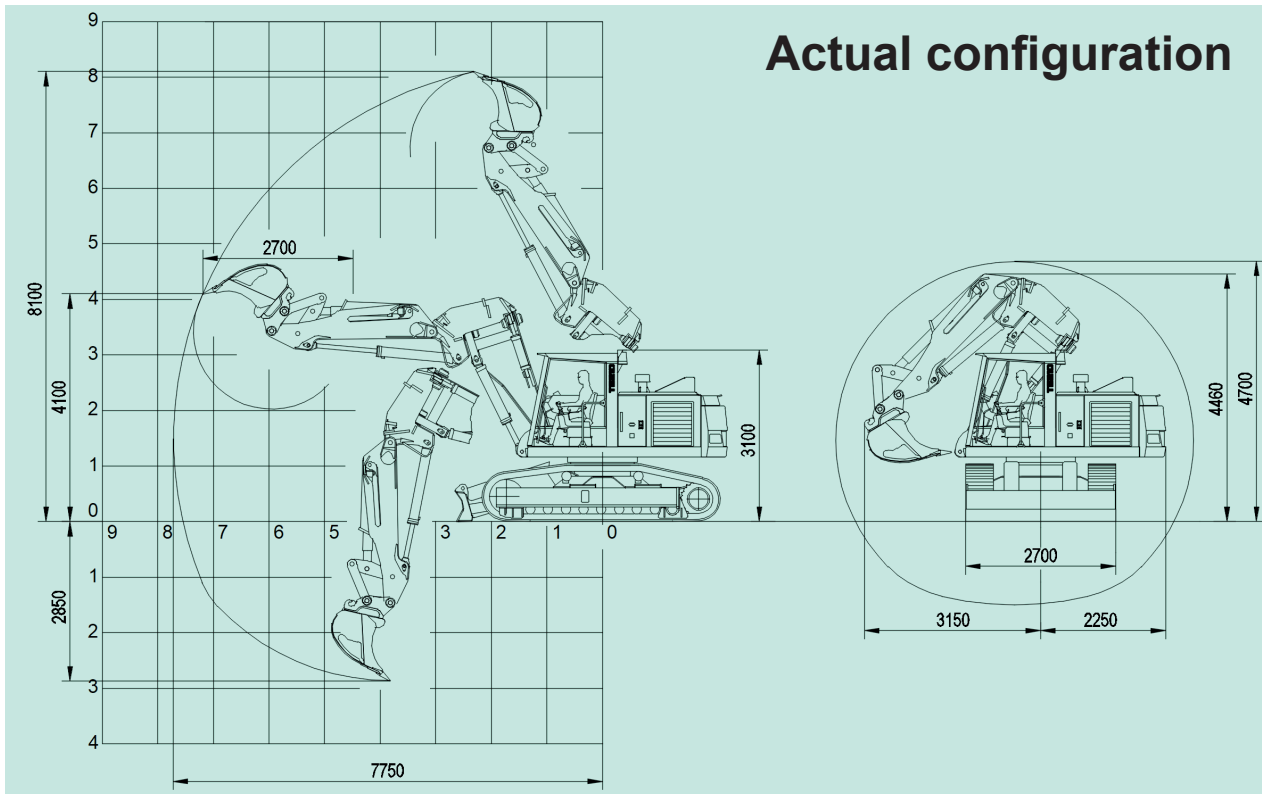
#### Operating data

Maximal vertical reach	8'500 mm
Maximal digging depth	3'900 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 for excavation of soft ground or blasted material, 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
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|--|----------|
| Length of the standard dipper stick                  | 3'780 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   |



ITC- Inter Techno Commerce SA • 122, rue de la Fusion •  
CH-1920 Martigny • Tel +41-277 222 191 • Fax +41-277 222 185

Internet: <http://www.itcsa.com> • email: [info@itcsa.com](mailto:info@itcsa.com)  
<http://www.kaelblegmbh.com> • [info@kaelblegmbh.com](mailto:info@kaelblegmbh.com)