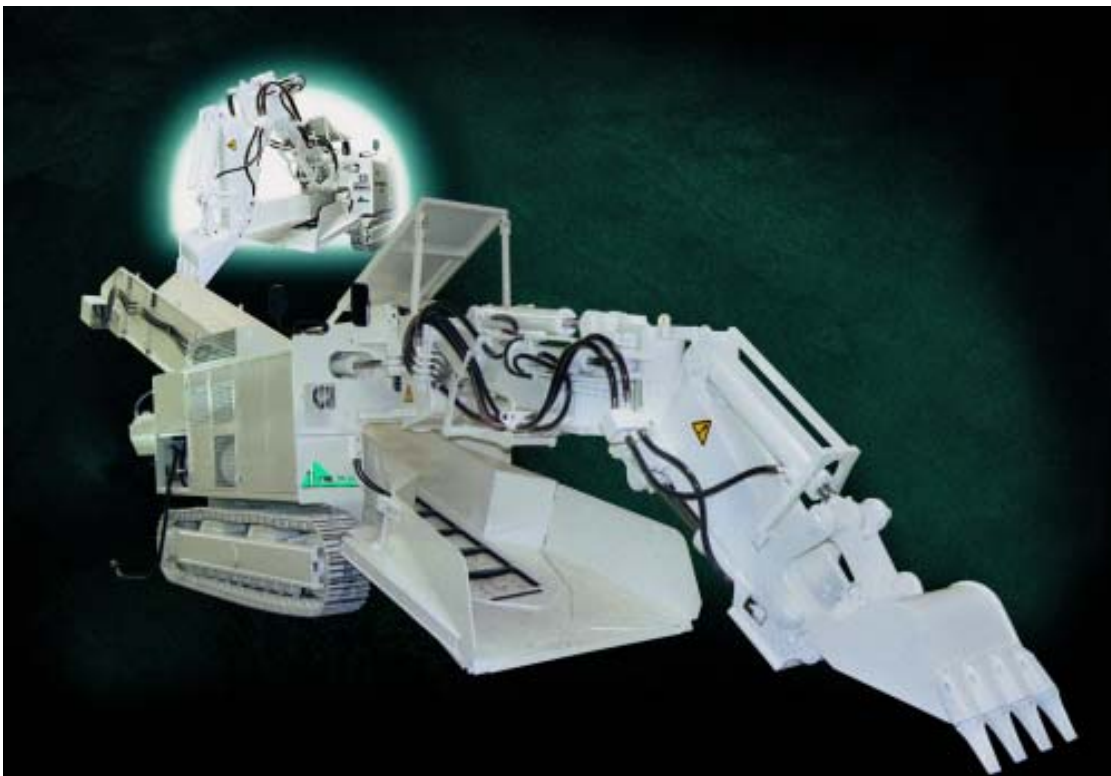




TUNNEL HEADING AND LOADING MACHINE

ITC 312 - H1

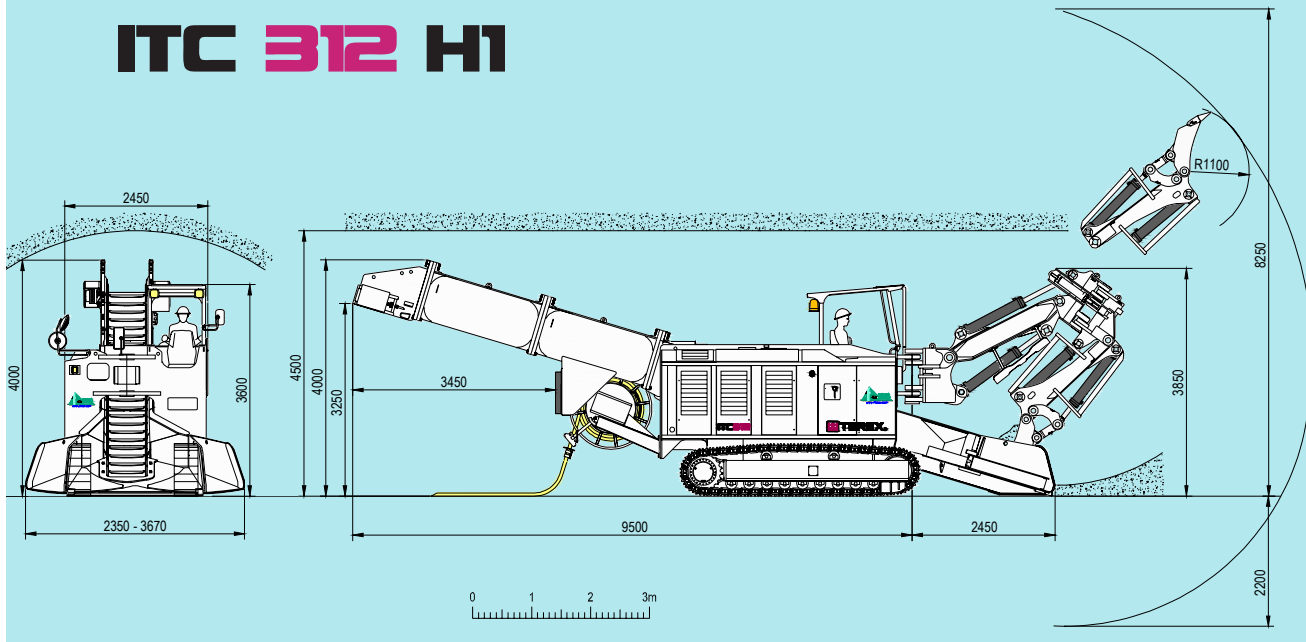


- Excavation boom with swivel dipper stick for heading in soft ground
- Minimal cross section approx. 18 m²
- Diesel drive 165 kW
- Electric drive 90 kW
- Operating weight approx. 35,2 t

Made in Germany by



ITC 312 H1



Technical data ITC 312 – H1

Drive units

Electro-hydraulic and Diesel hydraulic power packs each with a separate pump unit with variable flow rate
 Electric drive for emission-free work at the face
 Air-cooled 4-poles electrical motor with automatic star-delta starter, power at 400 Volt , 50 Hz 90 kW
 Diesel drive for travelling and operation without electric supply.
 Water-cooled diesel engine. Deutz TCD2013 L06 2V
 Power rating at 2'000 r.p.m 165 kW
 Diesel engine complies with emission standard EEC Euro 3

Electrical system

Total installed power 90 kW
 Voltage (standard) 400 V - 50 Hz AC
 Control voltage 230 V - 24 V DC
 Electrical system acc. to EN 60529 (IP54)
 Cable reel hydraulically driven with 90 m cable 3x95+3x16 mm²

Operator's cab

Operator's cab gives all-round visibility.
 CE conformity incl. video monitoring system for the right and rear side with colour LCD in the cab.

Hydraulic system

Load Sense hydraulic system with combination axial piston pump and gear pump
 Hydr. pilot control for travelling and main working functions
 Boom control with 2 joysticks in Euro standards
 Thermostatic controlled hydr. driven oil/air cooler
 Max. hydraulic operating pressure 250-350 bar
 Hydraulic oil tank capacity 400 l

Operating data (H1 boom equipment)

Minimal cross section	approx. 18 m ²
Machine width	2'400 mm
Maximal height	3'600 mm
Transport height	2'700 mm
Length (dep. on conveyor)	~12'000 mm
Width of loading apron (adjust.)	2'350-3'700 mm
Width of conveyor (internal)	800 mm
Height of conveyor (internal)	800 mm
Conveyor capacity	approx. 300 m ³ /h
Conveyor discharge height	2'500-3'500 mm
Operating weight	approx. 35,2 t

Boom Equipment H1

H1 Boom equipment for excavation and loading of soft ground or blasted material, includes:

- King post with jib, tilt-swivel console and dipper stick
- Excavation and mucking bucket, width 350 -900 mm
- Hydraulic circuit for a hydraulic rock breaker
- Loading capacity acc. to rock conditions approx. 3 m³/min

Other Equipment

It is possible to attach a range of ancillary equipment, such as pony truck, rubber plated conveyor, transverse cutting unit, soot particle filter, central lubrication device, etc.

Further details of attachments and accessories available upon request.
 Subject to modification without prior notice.



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