



**TUNNEL HEADING AND LOADING MACHINE**

# **ITC 312N - H6**

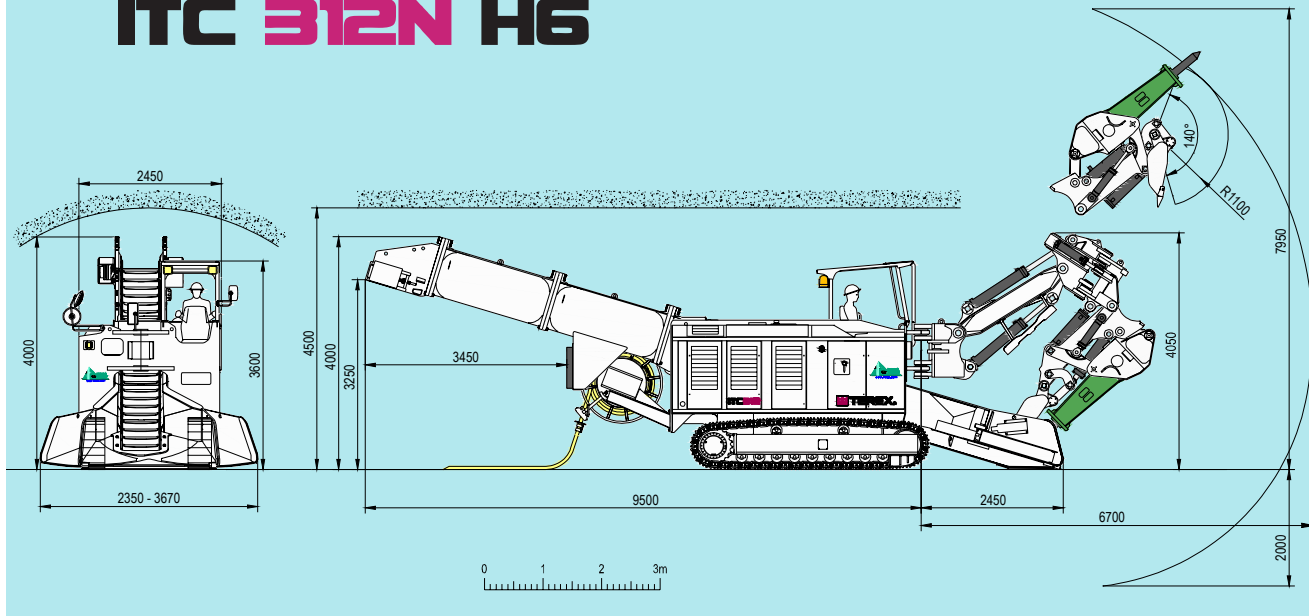


- Excavation boom equipment with rock breaker / bucket combination for tunnelling in soft and medium hard ground conditions by using bucket and hydr. hammer
- Minimal cross section            approx. 18 m<sup>2</sup>
- Diesel drive                            165 kW
- Electric drive                        90 kW
- Operating weight                    approx. 37,5 t

Made in Germany by



# ITC 312N H6



## Technical data ITC 312N – H6

### 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 electric motor, 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 1'800 r.p.m 165 kW  
 Diesel engine complies with emission standard EEC Euro 3

### Electrical system

Total installed power 95 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 mm<sup>2</sup>  
 Optional: other voltage or other frequency

### Operator's cab

FOPS operator's cab with front protection grid 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 400 l

### Operating data (H6 boom equipment)

Minimal cross section	approx. 18 m <sup>2</sup>
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.)	2'350-3'600 mm
Width of conveyor (internal)	800 mm
Height of conveyor (internal)	800 mm
Conveyor capacity	approx. 300 m <sup>3</sup> /h
Conveyor discharge height	2'500-3'500 mm
Operating weight	approx. 37,5 t

### Boom Equipment H6

Excavation boom equipment with rock breaker / bucket combination for tunnelling in soft and medium hard ground conditions by using bucket and hydr. hammer, including:

- King post with jib and tilt-swivel console
- Tool holder with a combination of hydraulic hammer and excavation / loading bucket
- Automatic lubrication system for the hammer
- Water spraying device

### Other Equipment

It is possible to attach a range of ancillary equipment, such as closed cab, air conditioning, pony truck, rubber plated conveyor, transverse cutting unit, soot particle filter, central greasing device, fire suppressing device, water hose reel, diesel fuel and or hydraulic oil filling pump, etc.

Further details of attachments and accessories available upon request