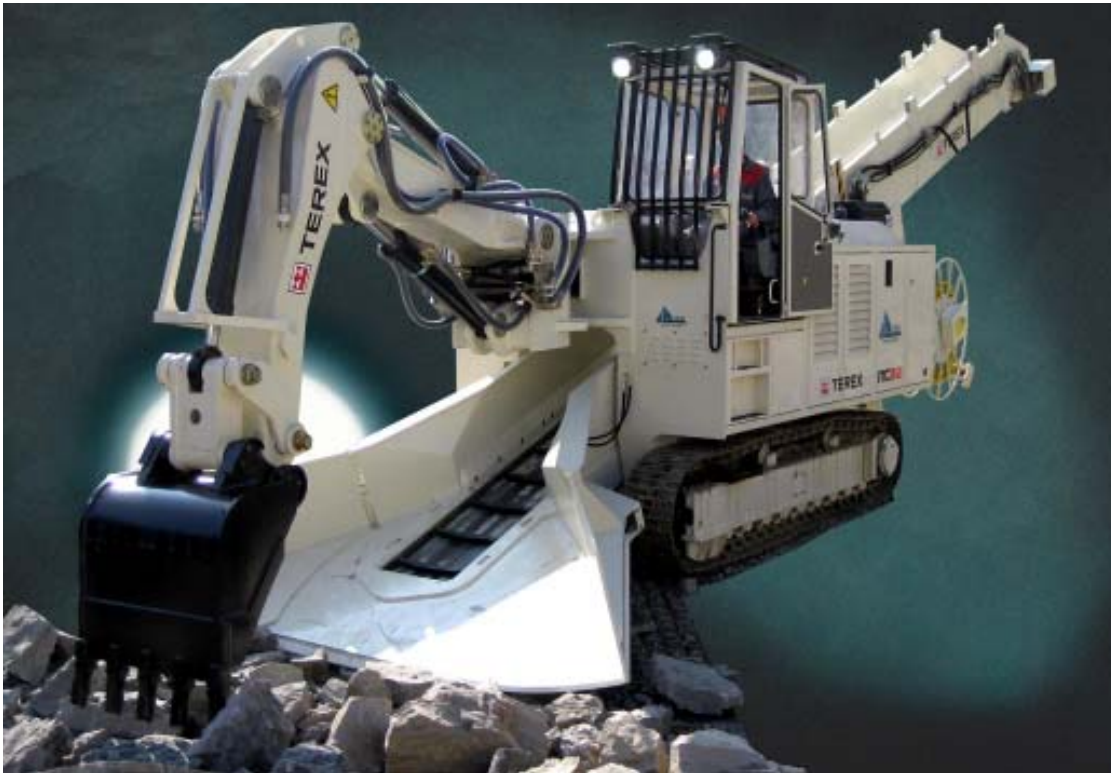


## TUNNEL LOADING MACHINE

# ITC 312 - H3

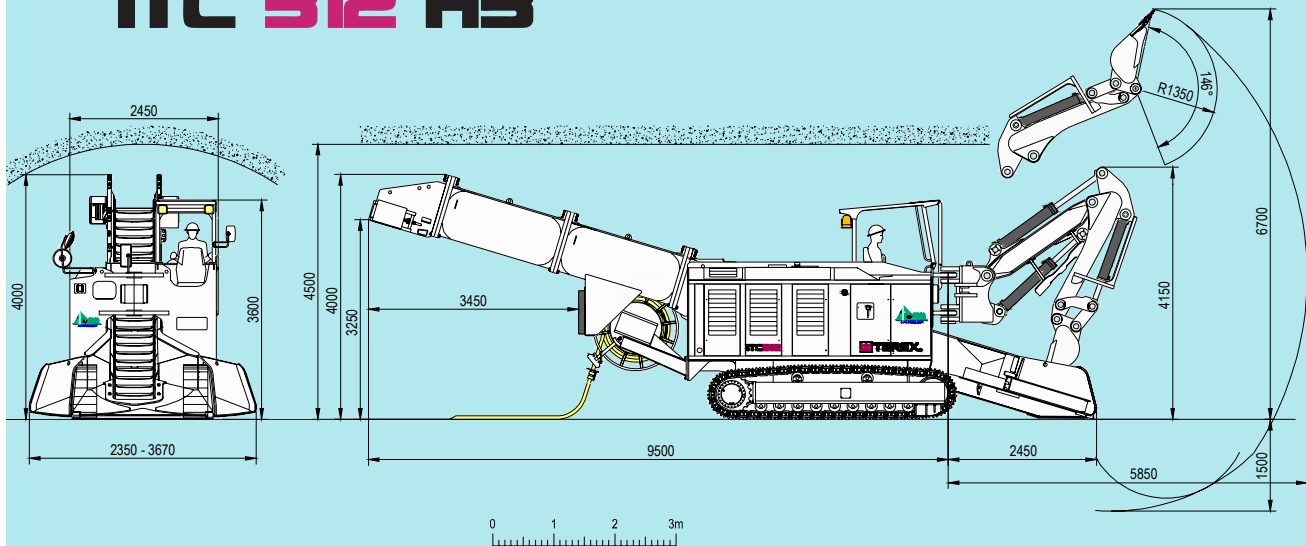


- For heading in soft ground and high speed mucking of blasted rock
- Minimal cross section            approx. 15 m<sup>2</sup>
- Diesel drive                            165 kW
- Electric drive                         90 kW
- Operating weight                    approx. 34 t

Made in Germany by



# ITC 312 H3



## Technical data ITC 312 – H3

### 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	COM 3 Tier 3
Diesel fuel Tank	420 l

### 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 mm <sup>2</sup>

### Operator's cab

Operator's cab FOPS 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 2 combination axial piston pump and gear pump	
Hydr. pilot control for travelling and main working functions	
Boom control with 2 joysticks in ISO standards	
Thermostatic controlled hydr. driven oil/air cooler	
Max. hydraulic operating pressure	250-320 bar
Hydraulic oil tank	400 l
Diesel pump delivery	440 l/min
Electro pump delivery	500 l/min
Hydraulic oil capacity incl. circuit	450 l

### Operating data (H3 boom equipment)

Minimal cross section	approx. 15 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.)	2'355-3'670 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. 34 t

### Boom Equipment H3

H3 Boom equipment for loading of soft ground or blasted material, includes:

- King post with jib 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 - 5 m<sup>3</sup>/min

### Other Equipment

It is possible to attach a range of ancillary equipment, such as different bucket sizes, ripper tooth, 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.



Sales &  
Rental Corp.

PO Box 681 State College, PA 16804 USA  
Ph: +1 814.466.7134 Fax: +1 814.355.0046