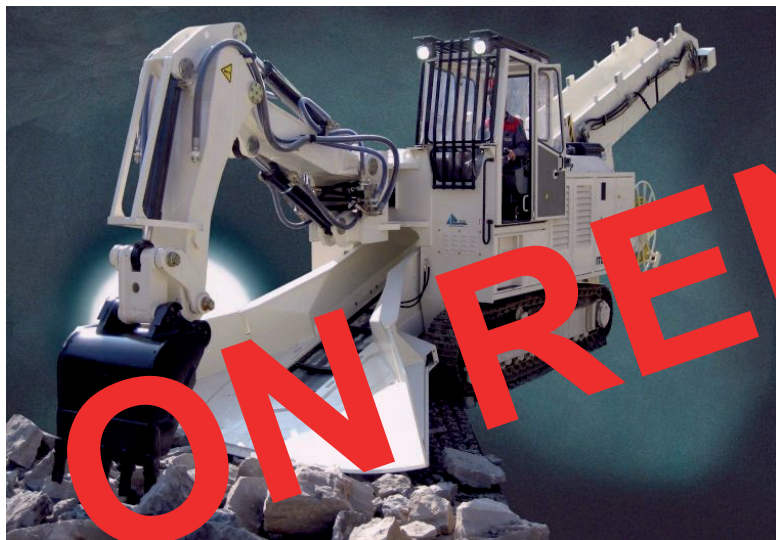


# Tunnel Loading Machine available.

## Model ITC312N H3 #0537



### Informations

- For loading in soft ground and high speed mucking blasted rock.
- Construction year 2015
- Electric drive 1'195 h
- Diesel drive 1'172 h

### Technical data ITC 312N 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 EEC Euro St. 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 for 85 m cable 3x95 + 3x25 mm<sup>2</sup>

#### Operator's cab

FOPS Operator's cab gives all-round visibility  
 Roof foldable for transport.

#### Hydraulic system

One axial piston double pump in swash plate design with constant power control for travelling and main working functions. One gear pump for pilot pressure supply.  
 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 capacity (incl. tank) 500 l  
 Hydraulic oil tank 400 l

#### Operating data

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.) 2'350 - 3'650 mm  
 Width of conveyor (internal) 800 mm  
 Height of conveyor 800 mm  
 Conveyor capacity approx. 300 m<sup>3</sup>/h  
 Conveyor discharge height 2'500 - 3'500 mm  
 Operating weight approx. 32 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
- Breakaway torque 119 kN
- Tear-out force over dipper stick 96 kN
- Lifting power (without working tool) 20 kN

#### Additional equipment installed

- Rubber plated chain
- Hose reel
- Flood light
- Protection grid right of cab
- Central greasing

