

# Tunnel Loading Machine.

## Model ITC315 SL #0612



### Informations

- For heading in soft ground and high speed mucking of blasted rock.
- Construction year 2024
- Electric drive 325 h
- Diesel drive 366 h

### Technical data ITC 315 SL

#### 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 1000 Volt , 50 Hz 132 kW  
Diesel drive for travelling and operation without electric supply.  
Water-cooled diesel engine, Deutz TCD 6.1  
Diesel engine complies with emission standard: EU V, US T4f  
Power rating at 2'300 r.p.m 180 kW  
Fuel tank 420 l

#### Electrical system (other tension and frequency upon request)

Total installed power 140 kW  
Voltage (standard) 1000 V - 50 Hz AC  
Pilot voltage 220 V CA  
Control voltage thermic drive 24 V CC  
Electrical system acc. to EN 60529 (IP54)  
Cable reel hydraulically driven with abt 75 m cable capacity

#### Operator's stand

Comfortable Volvo closed cab gives all-round visibility, FOPS canopy and front protection grid.  
Air conditioning.  
CE conformity incl. video monitoring system for the right and rear side with color LCD in the cab.

#### Hydraulic system

Load Sense hydraulic system with combination of a double 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  
Pump delivery Diesel engine 520 l/min  
Pump delivery Electric motor 540 l/min  
Hydraulic oil capacity (incl. tank) 500 l

#### Operating data

Machine width 2'750 mm  
Maximal height 3'650 mm  
Transport height 3'350 mm  
Transport length with folded equipment ~13'000 mm

#### Conveyor system

Width of loading apron (adjust.) 2'700 - 4'100 mm  
Width of conveyor (internal) 1000 mm  
Height of conveyor (internal) 800 mm  
Conveyor capacity approx. 720 m³/h  
Conveyor discharge height 2'500-3'500 mm

#### Boom H3L

- Minimal cross section approx. 20 m²
- Boom equipment for loading of soft ground or blasted material, includes:
- King post with jib and dipper stick
  - Excavation and mucking bucket, width 400-1200 mm
  - Hydraulic circuit for a hydraulic rock breaker
  - Loading capacity acc. to rock conditions approx. 5-12 m³/min
  - Operating weight approx. 43 t

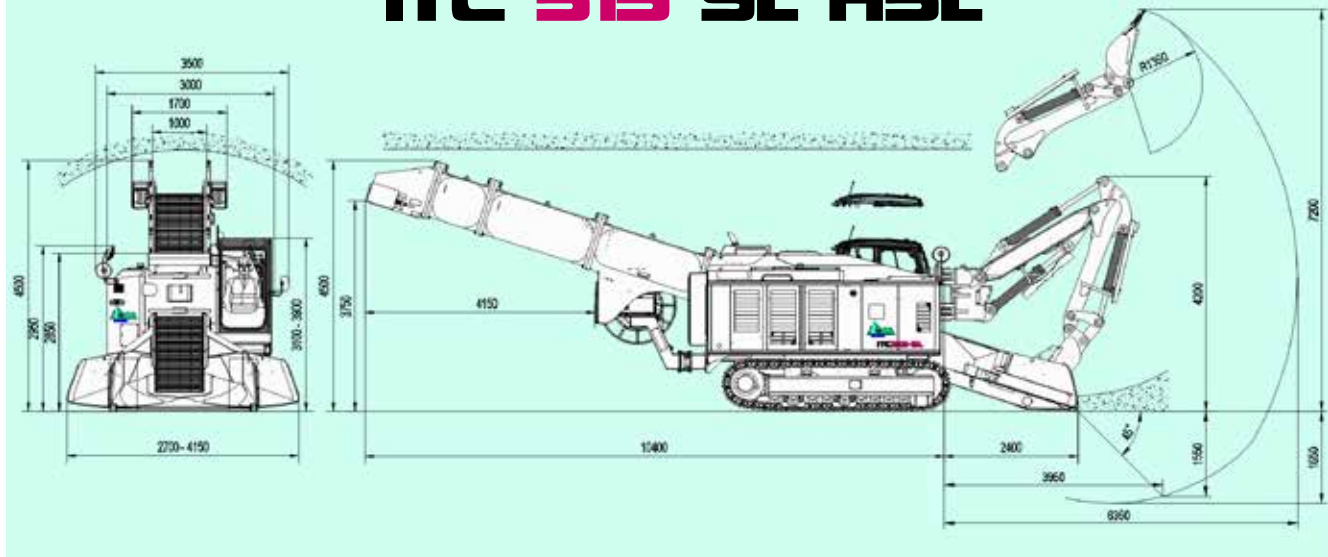
#### Options (different possibilities on order)

Elevator cabin, conveyor extension elements, rubber plate conveyor, automatic grease central, automatic fire extinguisher system, quick couplers, other loading and / or excavation tools, water spraying system for dust reduction with hose reel, etc.

Other details, executions (ATEX) and accessories on request.  
Subject to change without notice.

## Actual configuration

### ITC 315 SL H3L



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