

# New Tunnel Loading Machine available.

## Model ITC312 SL #0547



### Informations

- For handling soft ground and high speed mucking of blasted rock.
- Construction year 2018
- Electric drive 1'118 h
- Diesel drive 1'368 h

### Technical data ITC 312 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 1'000 Volt , 50 Hz 110 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 Euro St. 3a

#### Electrical system

Total installed power 115 kW  
Voltage (standard) 1'000 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 3x120+3x25 mm<sup>2</sup>

#### Operator's cab

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

#### 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. 17 m<sup>2</sup>  
Machine width 2'750 mm  
Maximal height 3'650 mm  
Transport height 3'350 mm  
Length (dep. on conveyor) ~13'000 mm  
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. 600 m<sup>3</sup>/h  
Conveyor discharge height 2'500-3'500 mm  
Operating weight approx. 40 t

#### Boom Equipment SL

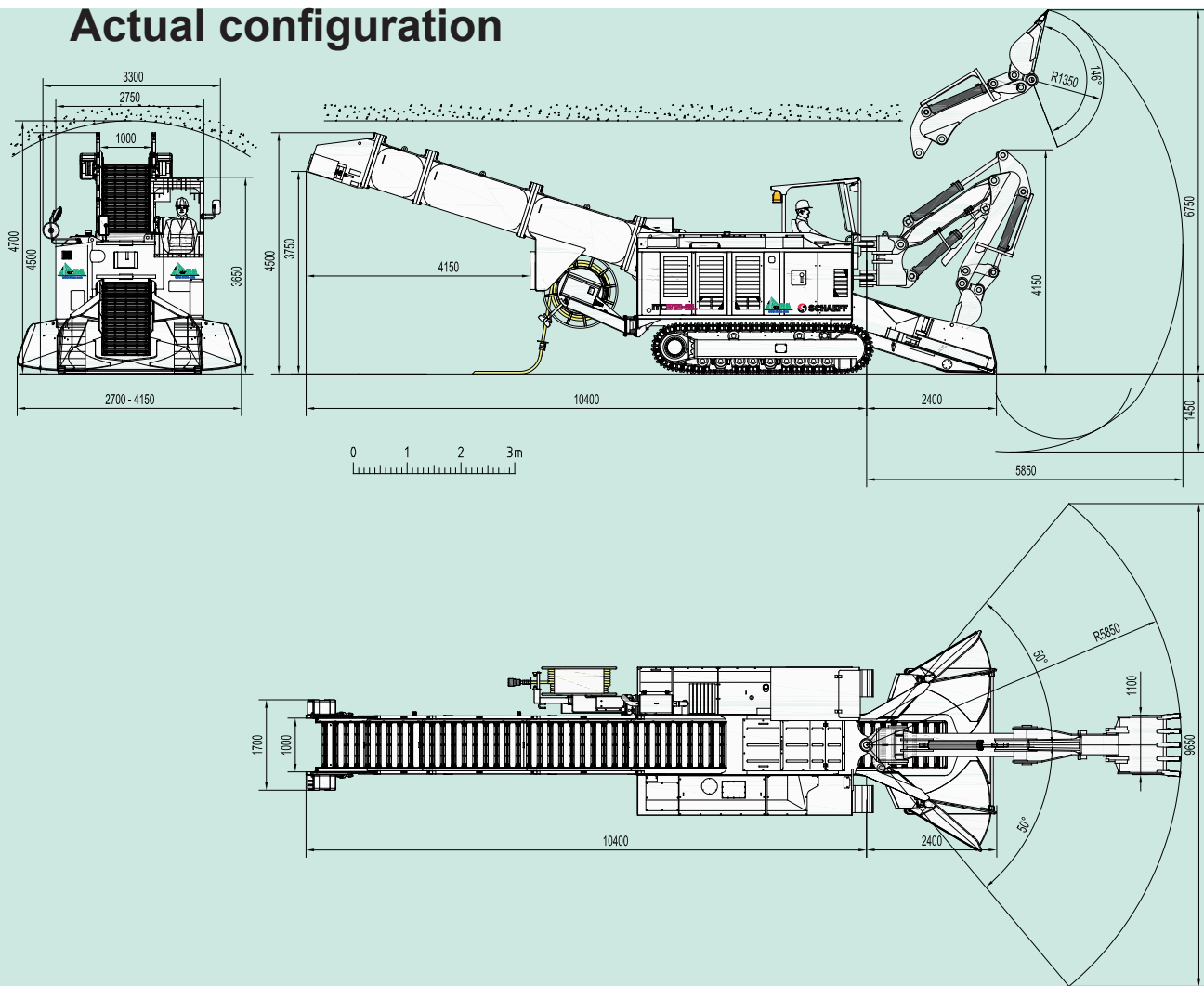
Boom equipment for loading of soft ground or blasted material, includes:

- King post with jib and dipper stick
- Excavation and mucking bucket, width 600 - 1200 mm
- Hydraulic circuit for a hydraulic rock breaker
- Loading capacity acc. to rock conditions approx. 4 - 10 m<sup>3</sup>/min

#### Other Equipment

It is possible to attach a range of anllary equipment, such as different bucket sizes, ripper tooth, pony truck, rubber plated conveyor, transverse cutting unit, soot particle filter, closed cab, central lubrication device, etc.

# Actual configuration



ITC- Inter Techno Commerce SA • 122, rue de la Fusion •  
CH-1920 Martigny • Tel +41-277 222 191 • Fax +41-277 222 185

Internet: <http://www.itcsa.com> • email: [info@itcsa.com](mailto:info@itcsa.com)  
<http://www.itc-ssm.net> • [info@itc-ssm.de](mailto:info@itc-ssm.de)