

Tunnel Loading Machine.

Model ITC312 SL #0453



Informations

- For loading in soft ground and high speed mucking blasted rock.
- Construction year 2012
- Electric drive 60 h
- Diesel drive 2'608 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 132 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 110 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 mm²

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 m²
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 m³/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 m³/min

Other Equipment

It is possible to attach a range of anillary 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

