

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 conditionning.

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 m ³ /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

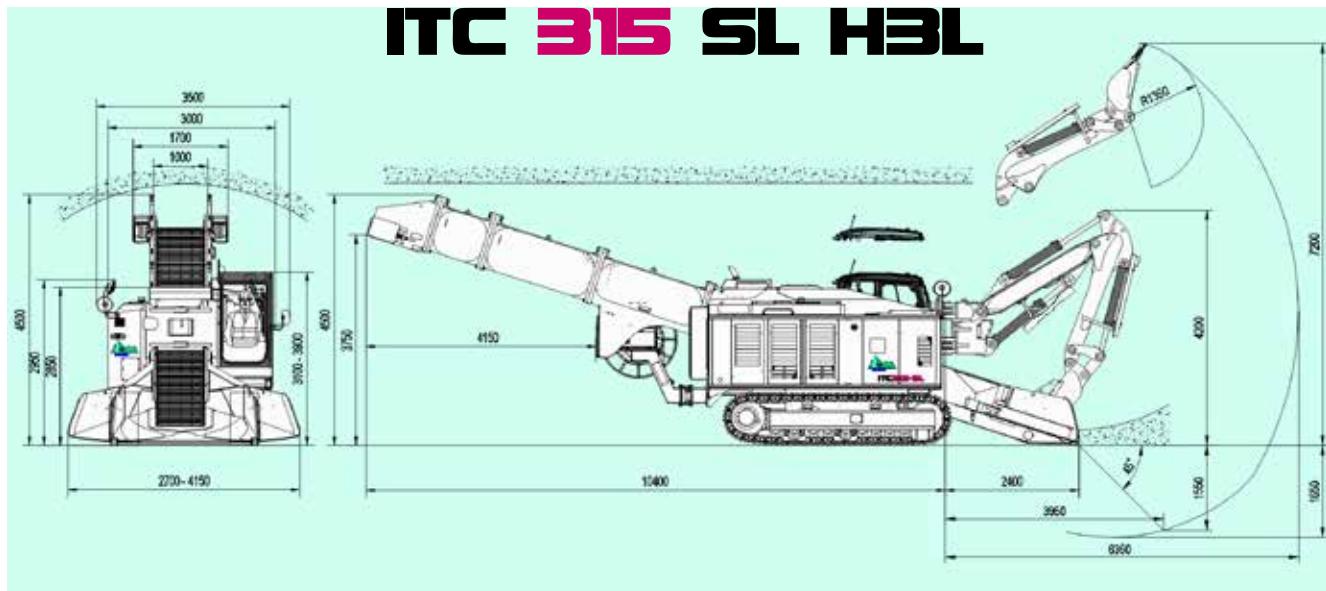
Options (different possibilities on order)

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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