New Tunnel Loading Machine available.

Model ITC315 SL #0603

Informations

- For heading in soft ground and high speed mucking of blasted rock.

• Construction year	2021
• Electric drive	164 h
• Diesel drive	2’383 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 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:

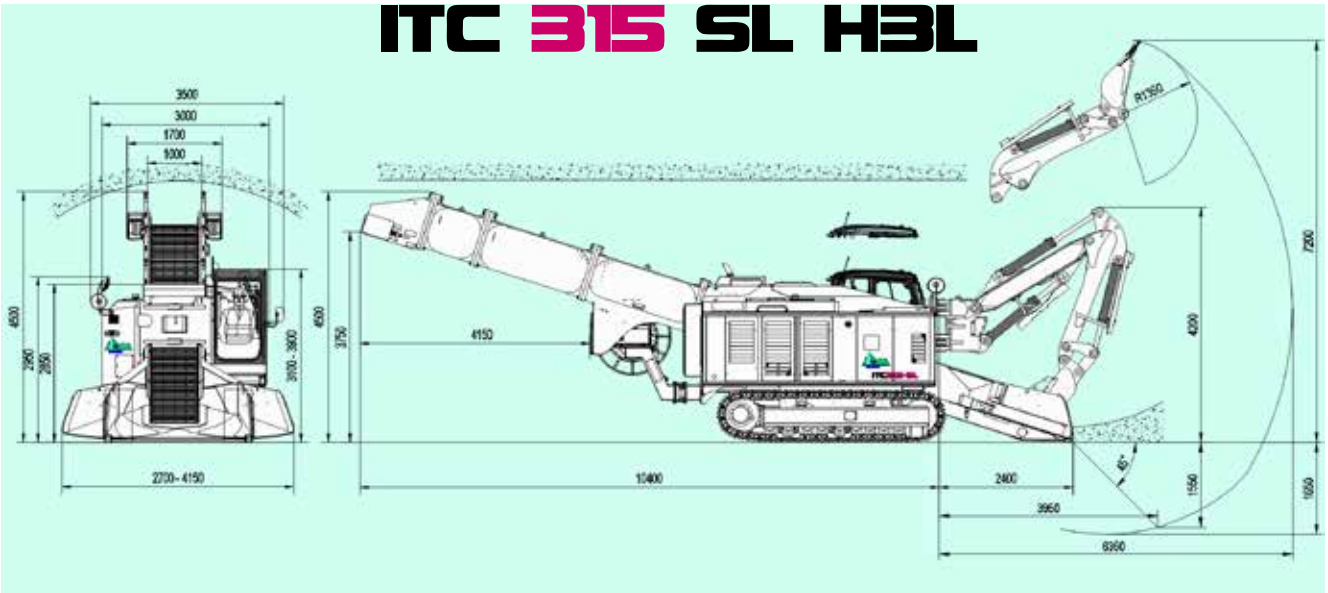
• King post with jib and dipper stick	
• Excavation and mucking bucket, width	400-1200 mm
• Hydraulic circuit for a hydraulic rock breaker	
• Loading capacity acc. to rock conditions	approx. 5-12 m³/min
• Operating weight	approx. 43 t

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



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