

TUNNEL LOADING MACHINE

ITC 315N H3

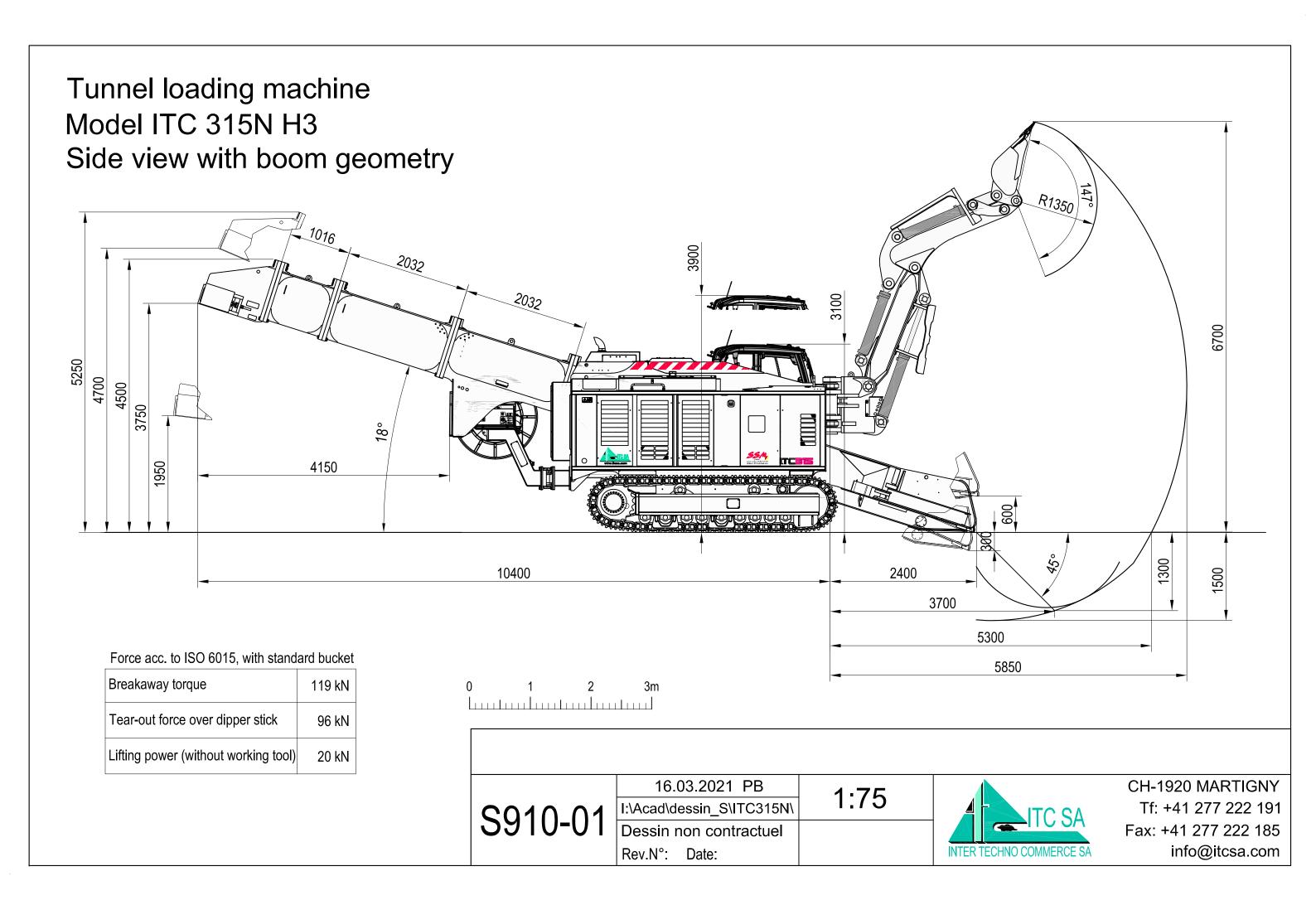


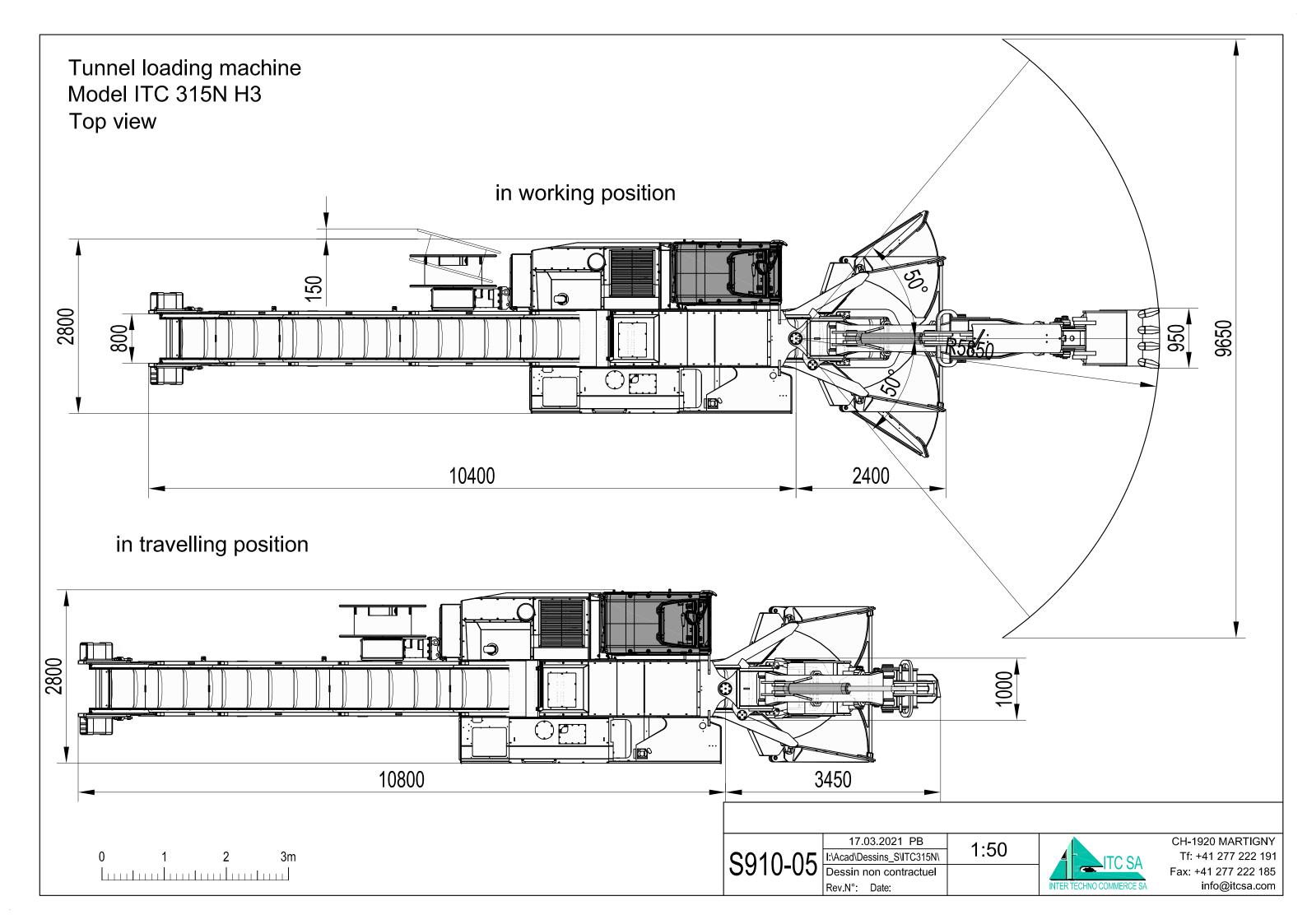
image not contractual, may contain optional equipment.

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

•	Minimal cross-section	approx. 18 m ²
•	Thermal drive	180 kW
•	Electric drive	110 kW
•	Operating weight	35,4 t







separate pump unit with variable flow rate

Electric drive for emission-free work at the face

Air-cooled electric motor, power at 400 Volt, 50 Hz 110 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 ready, US T4f,

Option: ROW

Power rating at 2'300 r.p.m 180 kW Fuel tank 420 I

Electrical system (other tension and frequency upon request)

Total installed power 140 kW Voltage (standard) 400 V - 50 Hz AC 220 V CA Pilot voltage 24 V CC Control voltage thermic drive 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

250-350 bar Max. hydraulic operating pressure Hydraulic oil tank capacity 400 I Pump delivery Diesel engine 520 I/min Pump delivery Electric motor 540 I/min Hydraulic oil capacity (incl. tank) 500 I

Machine width	2'800 mm
Maximal height	3'100 - 3'900 mm
Transport height	3'200 mm
Transport length with folded equipment	~13'000 mm

Conveyor system

Width of loading apron (adjust.)	2'500 - 3'950 mm
Width of conveyor (internal)	800 mm
Height of conveyor (internal)	800 mm
Conveyor capacity	approx. 600 m ³ /h
Conveyor discharge height	2'500-3'800 mm

Boom H3

- Minimal cross section approx. 18 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. 35,4 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, Electric motor 132kW, etc.

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





TUNNEL LOADING MACHINE

ITC 315N H3L

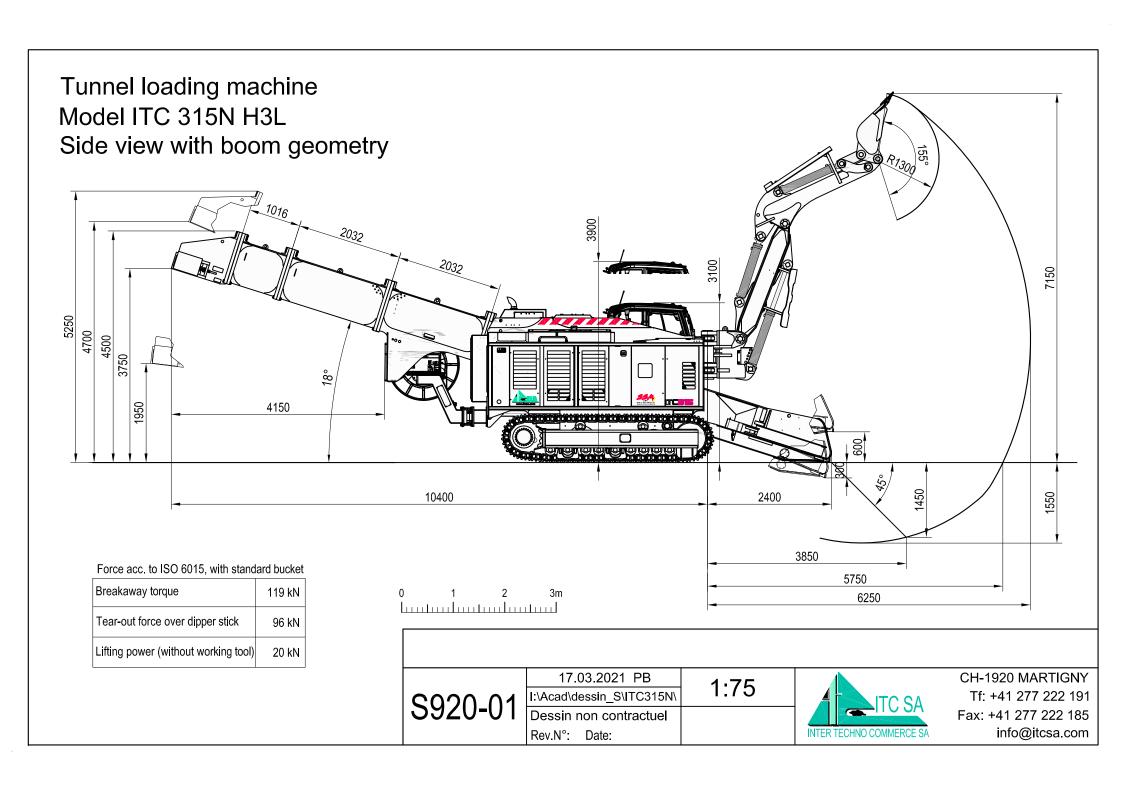


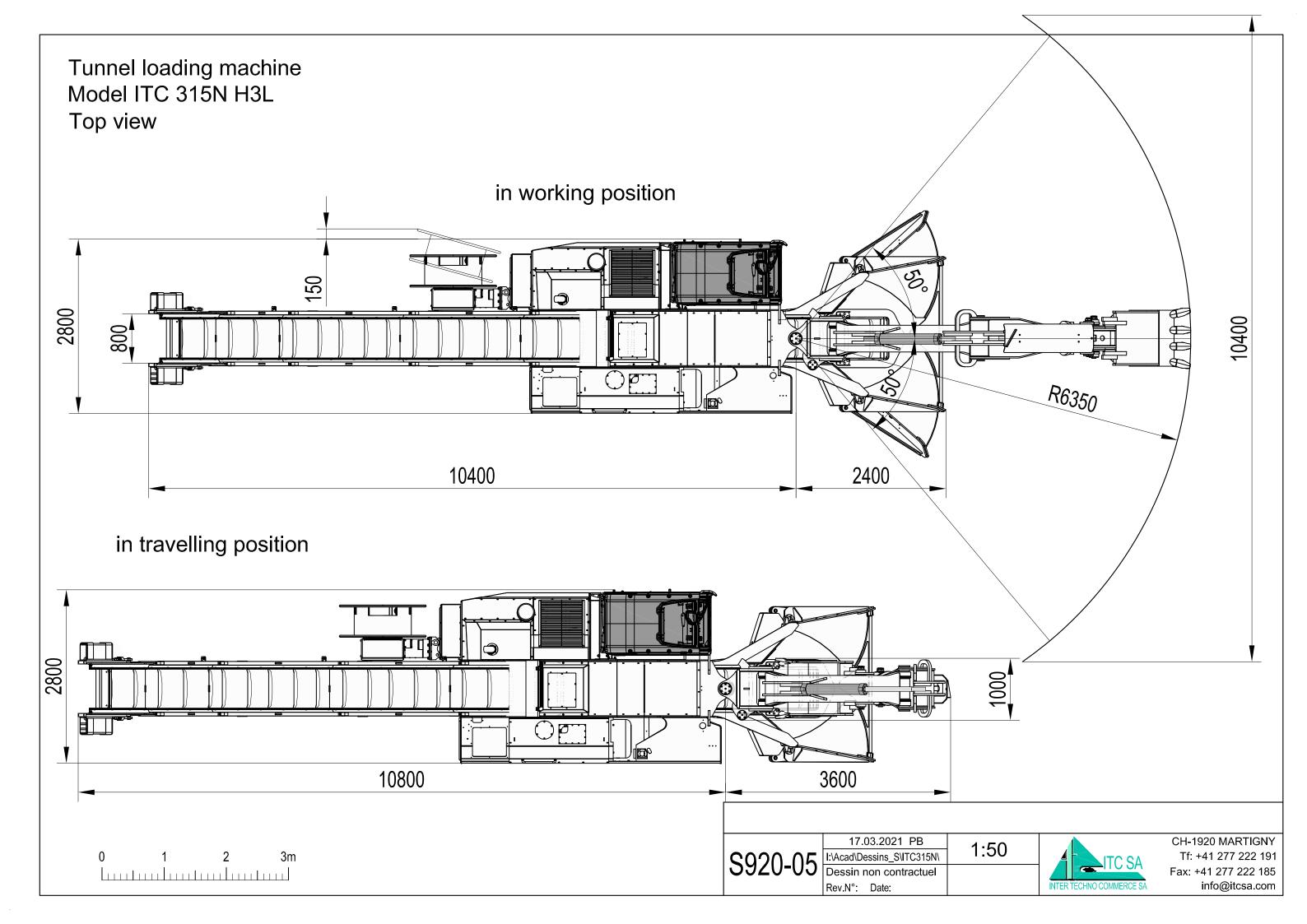
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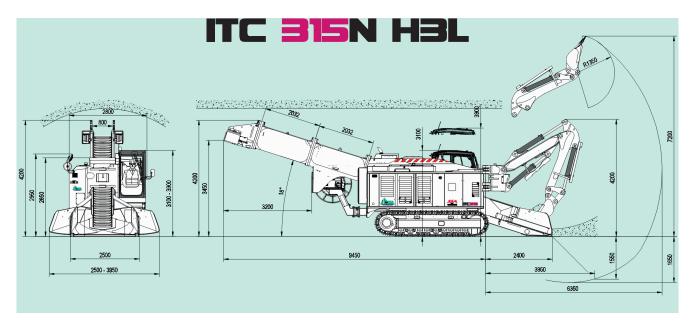
 For heading in soft ground and high speed mucking of blasted rock

•	Minimal cross-section	approx. 18 m ²
•	Thermal drive	180 kW
•	Electric drive	110 kW
•	Operating weight	35,8 t









Technical data ITC 315N H3L

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 400 Volt , 50 Hz 110 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 ready, US T4f,

Option: ROW

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) 400 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 pressure250-350 barHydraulic oil tank capacity400 IPump delivery Diesel engine520 I/minPump delivery Electric motor540 I/minHydraulic oil capacity (incl. tank)500 I

Operating data

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Maximal height	3'100 - 3'900 mm
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Transport length with folded equipment	~13'000 mm

Conveyor system

Width of loading apron (adjust.)	2'500 - 3'950 mm
Width of conveyor (internal)	800 mm
Height of conveyor (internal)	800 mm
Conveyor capacity	approx. 600 m ³ /h
Conveyor discharge height	2'500-3'800 mm

Boom H3L

- Minimal cross section approx. 18 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. 35,8 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, Electric motor 132kW, etc.

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TUNNEL LOADING MACHINE

ITC 315N H3s

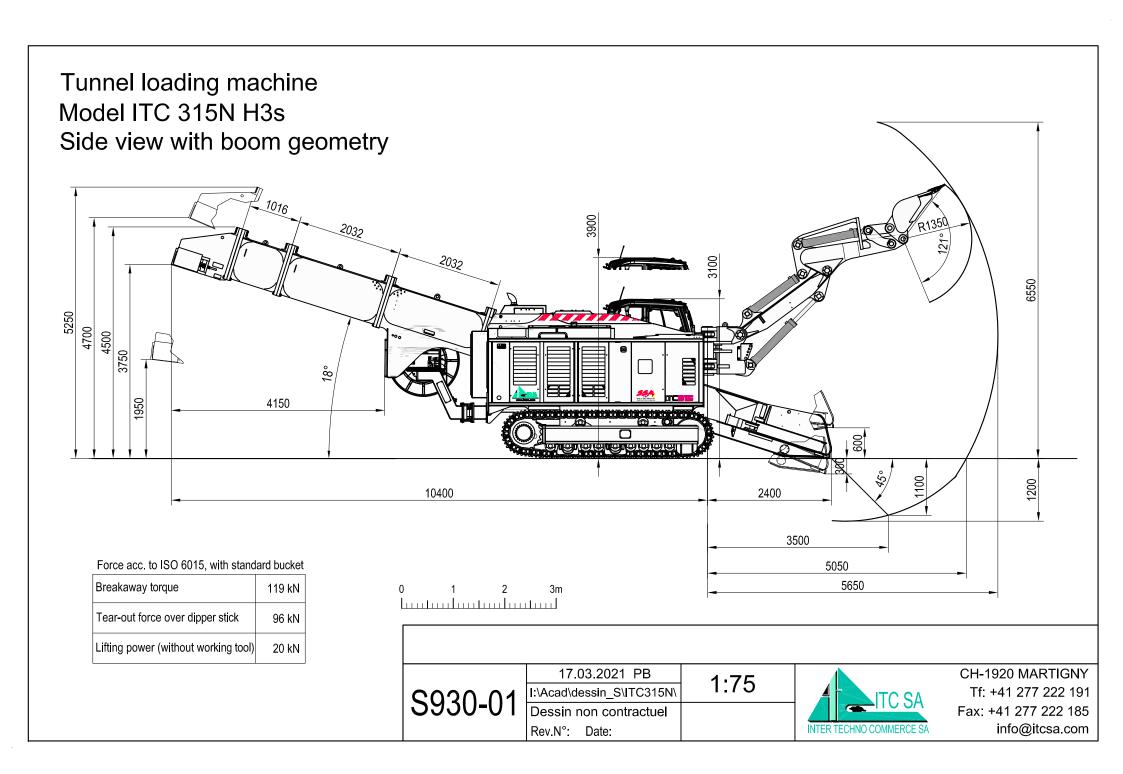


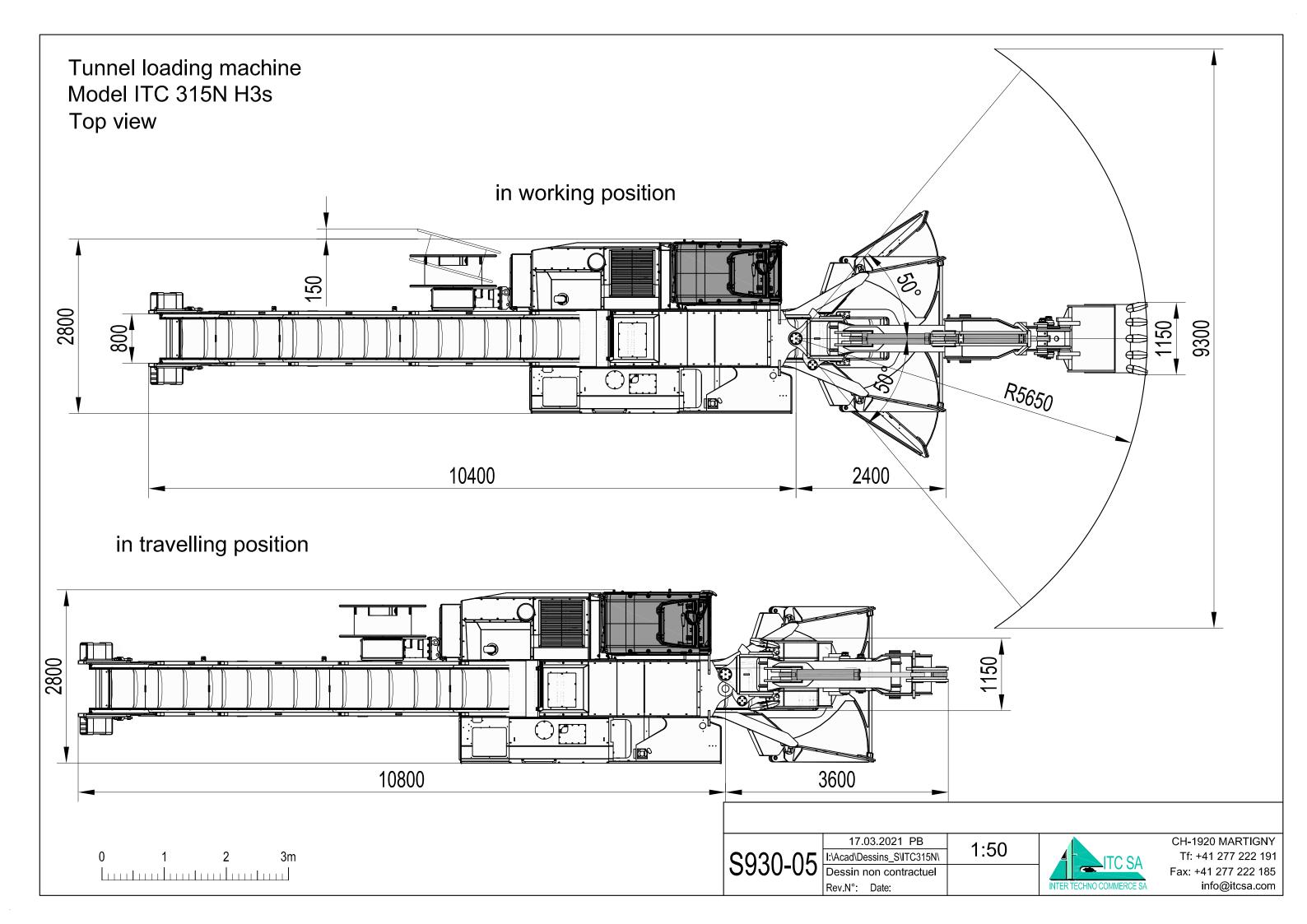
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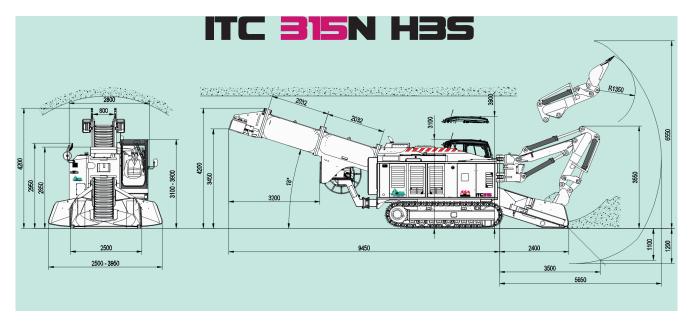
 For heading in soft ground and high speed mucking of blasted rock

Minimal cross-section	approx. 18 m ²
Thermal drive	180 kW
Electric drive	110 kW
Operating weight	34,8 t
	Minimal cross-section Thermal drive Electric drive Operating weight









Technical data ITC 315N H3s

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

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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 ready, US T4f,

Option: ROW

Power rating at 2'300 r.p.m 180 kW Fuel tank 420 l

Electrical system (other tension and frequency upon request)

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

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Hydr. pilot control for travelling and main working functions

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Thermostatic controlled hydr. driven oil/air cooler

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Transport height	3'200 mm
Transport length with folded equipment	~13'000 mm

Conveyor system

Width of loading apron (adjust.)	2'500 - 3'950 mm
Width of conveyor (internal)	800 mm
Height of conveyor (internal)	800 mm
Conveyor capacity	approx. 600 m ³ /h
Conveyor discharge height	2'500-3'800 mm

Boom H3s

- Minimal cross section approx. 18 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
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