

TUNNEL HEADING AND LOADING MACHINE

ITC 315N N1

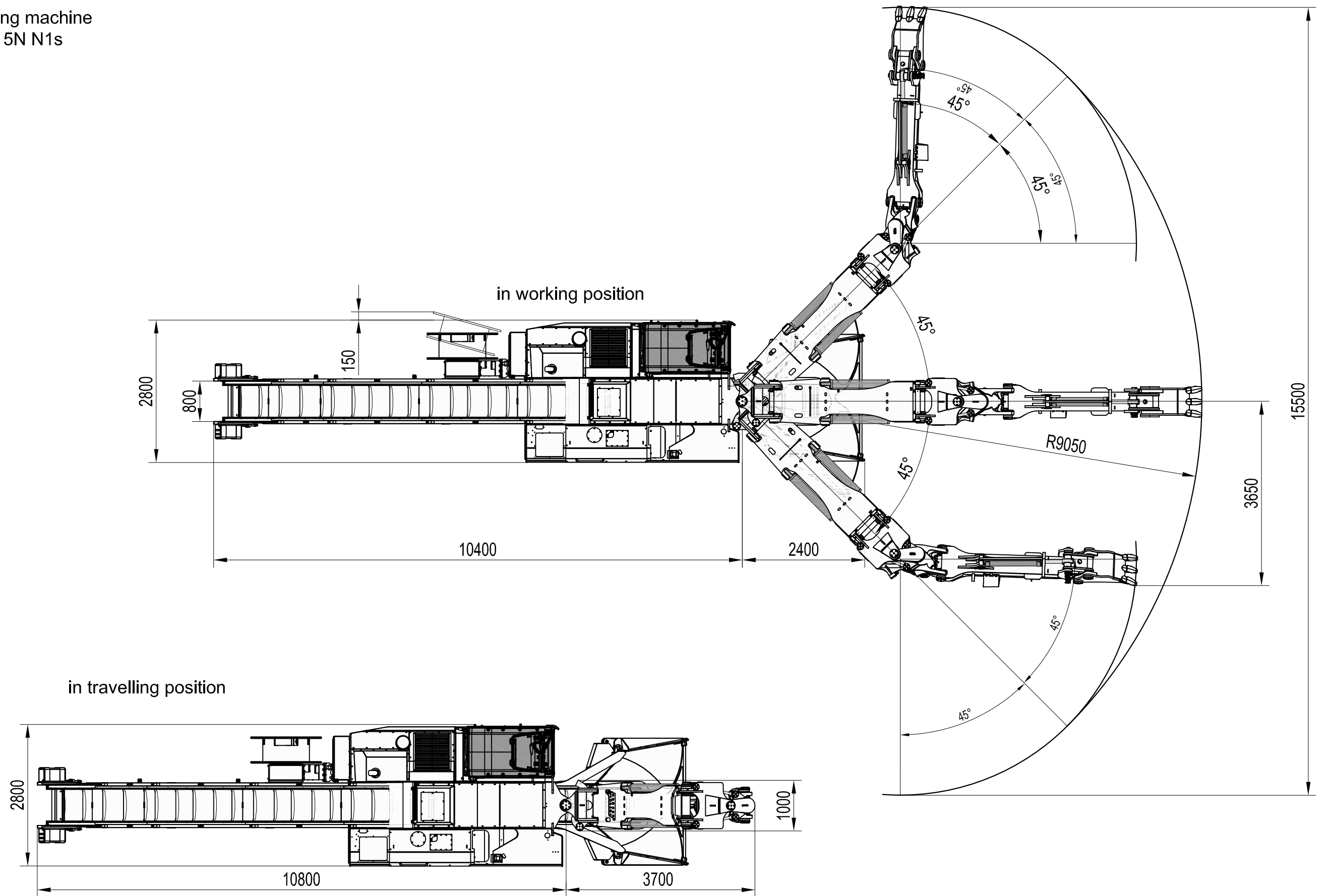



image not contractual, may contain optional equipment.

- Excavation boom with swivel dipper stick for heading in soft ground
- Minimal cross-section approx. 25 m²
- Thermal drive 180 kW
- Electric drive 110 kW
- Operating weight 37,5 t

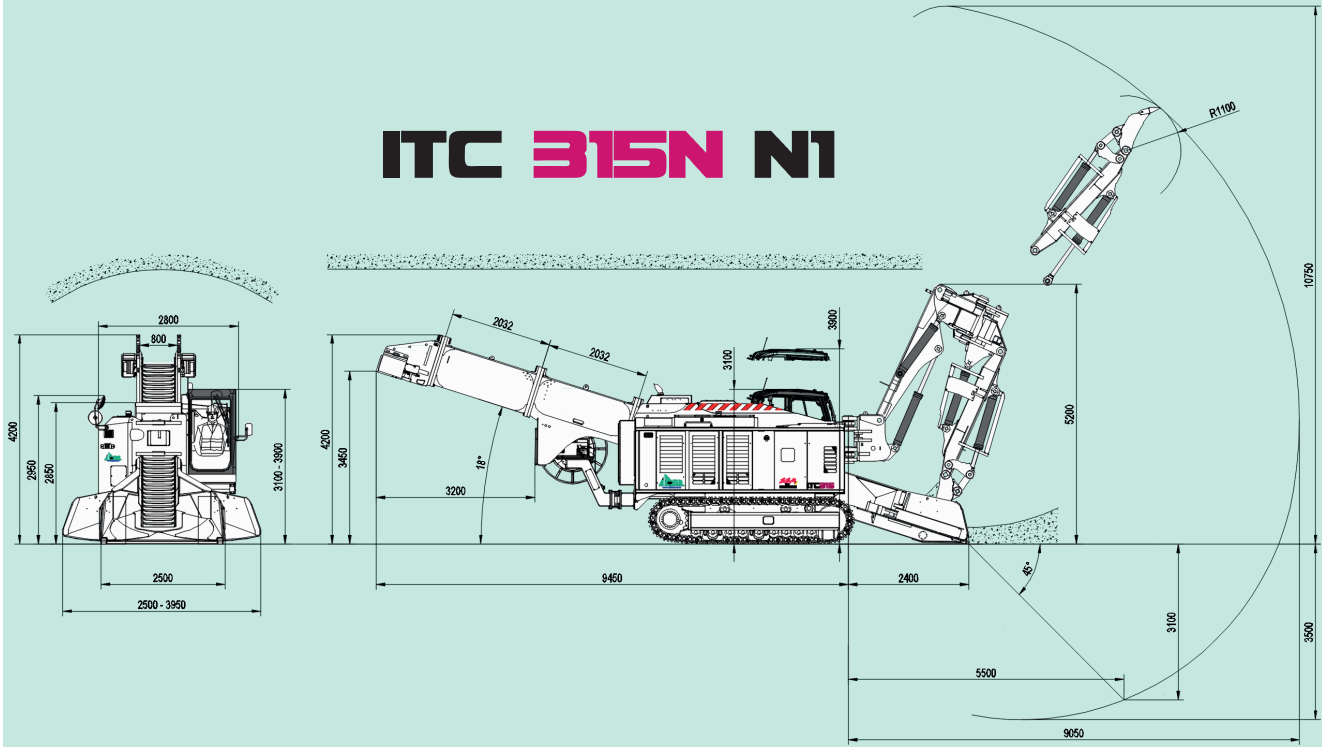


Tunnel heading machine
 Model ITC 315N N1s
 Top view



S950-05	18.03.2021 PB	1:75	 INTER TECHNO COMMERCE SA	CH-1920 MARTIGNY
	I:\Acad\dessin_S\ITC315N\			Tf: +41 277 222 191
	Dessin non contractuel			Fax: +41 277 222 185
	Rev.N°: Date:			info@itcsa.com

ITC 315N N1



Technical data ITC 315N N1

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 conditioning.
 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 2'800 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. 300 m³/h
 Conveyor discharge height 2'500-3'800 mm

Boom N1

- Minimal cross section approx. 25 m²

N1 Boom equipment for excavation and loading of soft ground or blasted material, includes:

- King post with jib, tilt-swivel console and dipper stick
- Excavation and mucking bucket, width 350 -900 mm
- Hydraulic circuit for a hydraulic rock breaker
- Loading capacity acc. to rock conditions approx. 3 m³/min
- Operating weight 37,5 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.

