

Tunnel Loading Machine

Model ITC312N H3s #0425



Informations

- For heading in soft ground and high speed mucking of blasted rock.
- Construction year 2008
- Electric drive 1'575 h
- Diesel drive 4'770 h

Technical data ITC 312N 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
Air-cooled electric motor, power at 400 Volt , 50 Hz 90 kW
Diesel drive for travelling and operation without electric supply.
Water-cooled diesel engine. Deutz TCD2013 L06 2V
Power rating at 1'800 r.p.m 140 kW
Diesel engine complies with emission standard EEC Euro St. 3

Electrical system

Total installed power 90 kW
Voltage (standard) 400 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 3x95 + 3x25 mm²

Operator's cab

FOPS Operator's cab gives all-round visibility
Roof foldable for transport.

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. 15 m²
Machine width 2'400 mm
Maximal height 3'300 mm
Transport height 2'700 mm
Length (dep. on conveyor) ~12'000 mm
Width of loading apron (adjust.) 2'350 - 3'650 mm
Width of conveyor (internal) 800 mm
Height of conveyor 800 mm
Conveyor capacity approx. 300 m³/h
Conveyor discharge height 2'500 - 3'500 mm
Operating weight approx. 32 t

Boom Equipment H3s

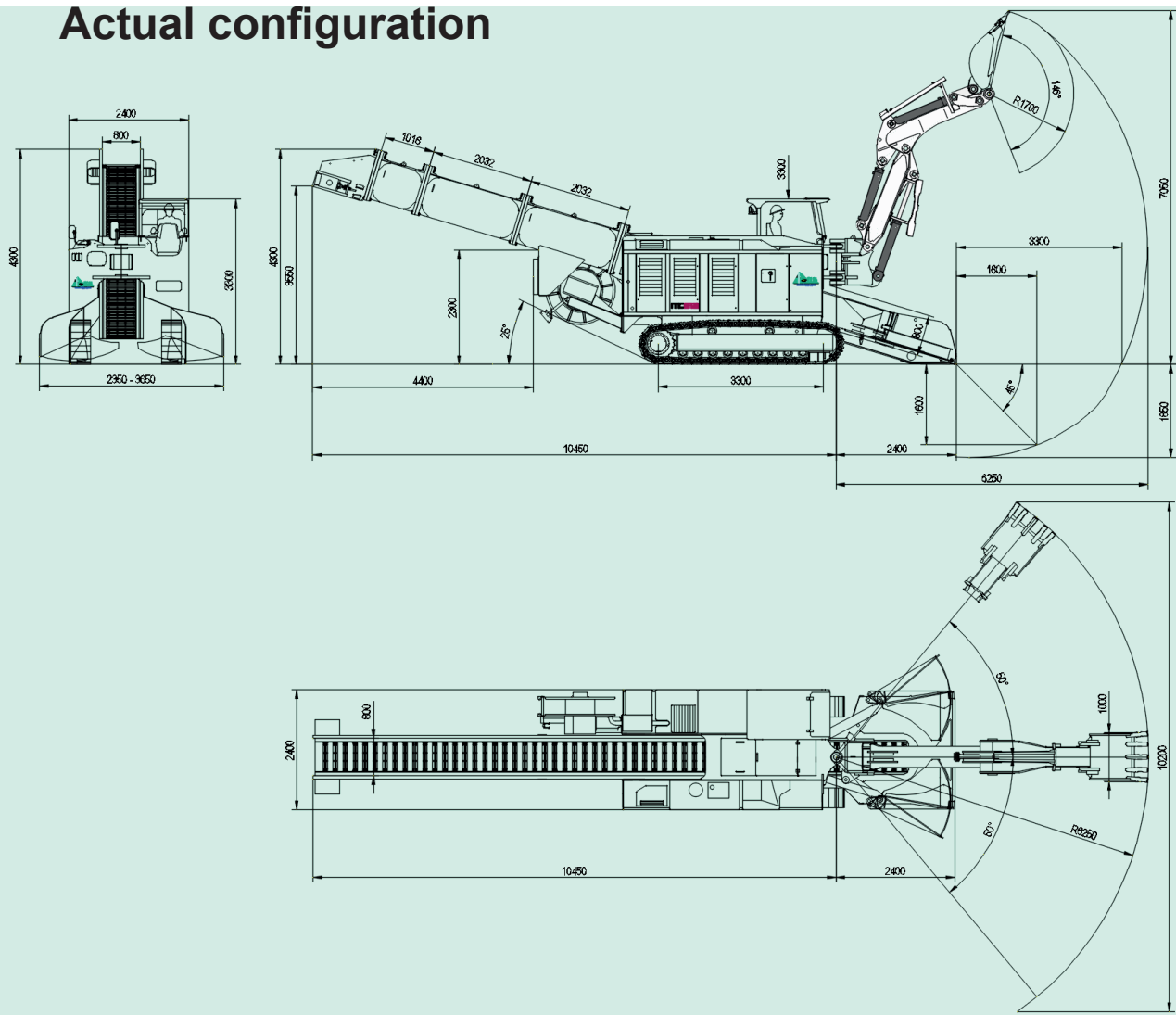
H3 Boom equipment for loading of soft ground or blasted material, includes:

- King post with jib 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 - 5 m³/min
- Breakaway torque 119 kN
- Tear-out force over dipper stick 96 kN
- Lifting power (without working tool) 20 kN

Other Equipment

Central greasing, Pony-truck, short dipper stick 1600mm,
Bucket R= 1'700 mm.

Actual configuration



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