Tunnel Heading Machine.

Model ITC312SL H3L #0530

ITC SA
INTER TECHNO COMMERCE SA

Informations

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

• Construction year	2016
• Electric drive	1'057 h
• Diesel drive	420 h

Technical data ITC 312SL 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 TCD2013 L06 2V

Power rating at 2,000 r.p.m	165 kW
Diesel engine complies with emission standard	Euro St. 3a

Electrical system

Total installed power	115 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	3x120+3x25 mm²

Operator's cab

FOPS Operator's cab gives all-round visibility
Roof foldable for transport.
CE conformity incl. video monitoring system for the right and rear side with colour LCD in the cab.

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. 17 m²
Machine width	2'750 mm
Maximal height	3'650 mm
Transport height	3'350 mm
Length (dep. on conveyor)	~13'000 mm
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. 600 m³/h
Conveyor discharge height	2'500-3'500 mm
Operating weight	approx. 40 t

Boom Equipment H3L

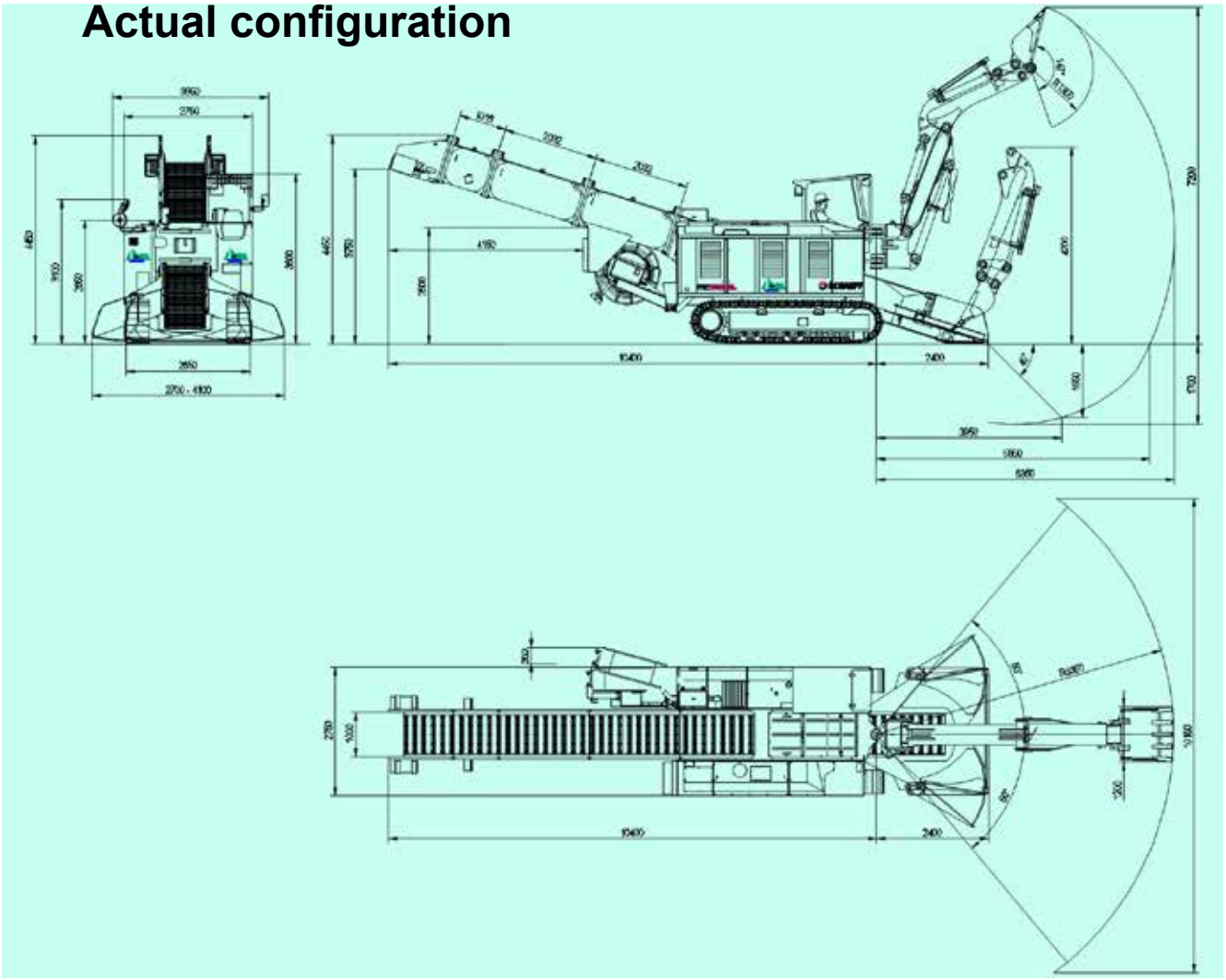
H3 Boom equipment for loading of soft ground or blasted material, includes:

· 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

It is possible to attach a range of anxillary equipment, such as different bucket sizes, ripper tooth, pony truck, rubber plated conveyor, transverse cutting unit, soot particle filter, closed cab, central lubrication device, etc.

Actual configuration



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