

Tunnel Loading Machine.

Model ITC312N H3 #0483



Informations

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

Construction year	2012
• Electric drive	880 h
• Diesel drive	2'136 h

Technical data ITC 312N H3

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 2'000 r.p.m 165 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 3'600 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 H3

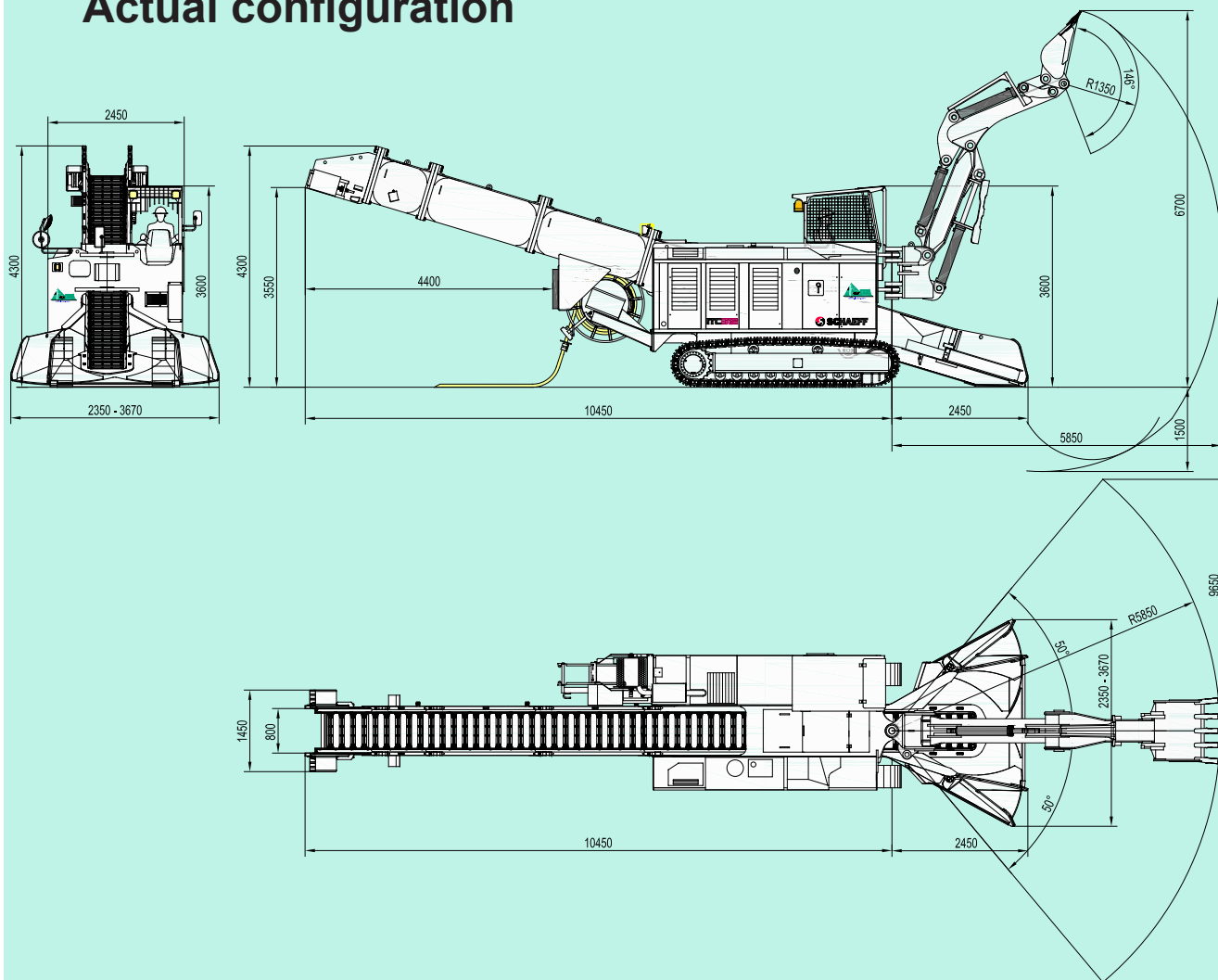
H3 Boom equipment for loading of soft ground or blasted material, includes:

- 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

Additional equipment installed

- Rubber plated chain
- Hose reel
- Flood light
- Protection grid right of cab
- Central greasing
- Automatic extinguisher device Fogmaker

Actual configuration



ITC- Inter Techno Commerce SA • 122, rue de la Fusion •
CH-1920 Martigny • Tel +41-277 222 191 • Fax +41-277 222 185

Internet: <http://www.itcsa.com> • email: info@itcsa.com • www.terex-cmt.de
• info@terex-schaeff.com