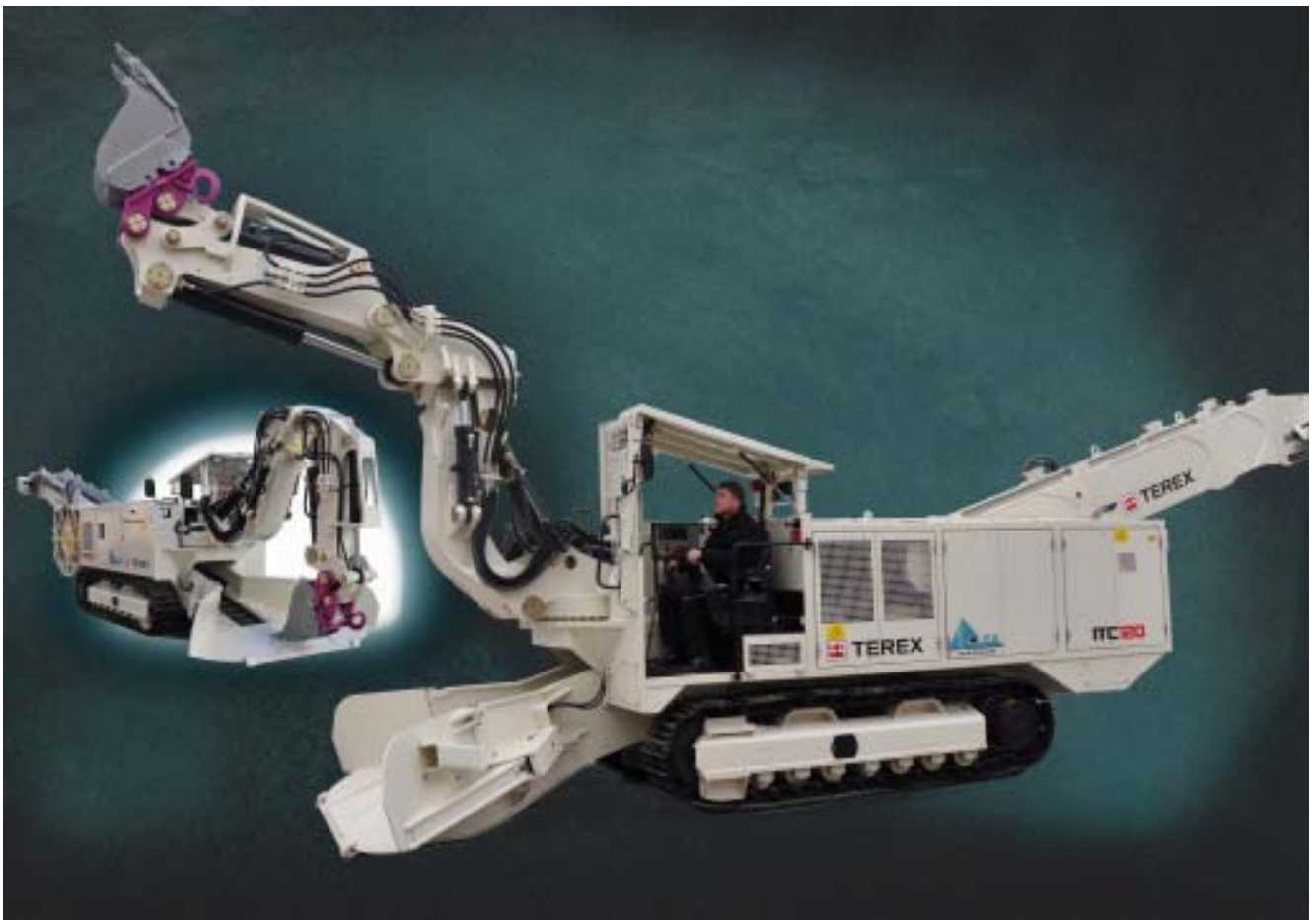




TUNNEL HEADING AND LOADING MACHINE

ITC 120 - F3

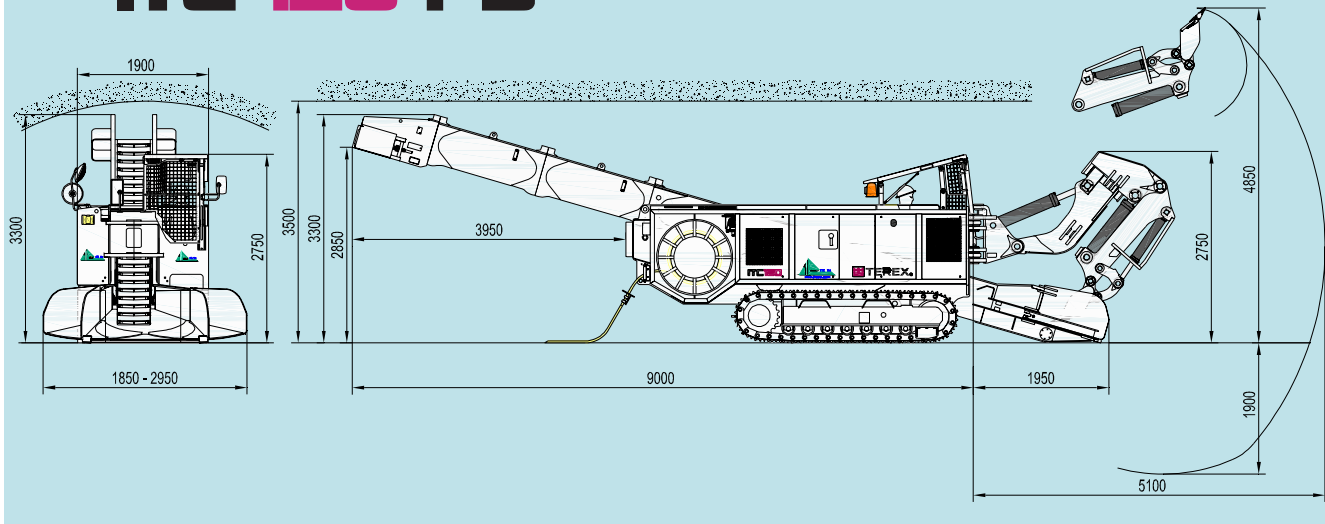


- For heading in soft ground, for scaling and high speed mucking of blasted rock
- Minimal cross section approx. 10 m²
- Diesel drive 74 kW
- Electric drive 55 kW
- Operating weight approx. 21,6 t

Made in Germany by



ITC 120 F3



Technical data ITC 120 – F3

Drive units

Electro-hydraulic and Diesel-hydraulic power packs each with a separate pump units

Electric drive for emission-free work at the face

Air-cooled electric motor, Power at 400 Volt , 50 Hz 55 kW

Diesel drive for travelling and operation without electrical supply

Water-cooled diesel engine, Deutz TCD2012 L04 2V

Power rating at 2,000 r.p.m 74 kW

Diesel engine complies with emission standard Tier 3

Electrical system

Total installed power 60 kW

Voltage (standard) 400 V - 50 Hz AC

Control voltage 24 V DC

Electrical system acc. to EN 60529 (IP54)

Cable reel hydraulically driven with 75 m

Cable cross section at 400 V - 50 Hz 3x50+3x10 mm²

Operator's cab

FOPS-Operator's cab gives all-round visibility, and front protection grill.

Roof foldable for transport

CE conformity incl. video monitoring system for the right and rear side with colour LCD in the cab.

Hydraulic system

Load Sense hydraulic system with combination of axial piston gear pump at each drive

Pilot control sysem for all working functions

Main operation by 2 joysticks in Euro standards

Thermostatic controlled hydr. driven oil cooler

Max. hydraulic operating pressure 280-380 bar

Hydraulic oil capacity (incl. tank) 400 l

Hydraulic oil tank 300 l

Operating data (F3 boom equipment)

Mininimal cross section approx. 10 m²

Machine width 1'900 mm

Maximal height 2'400-2'750 mm

Transport height 2'400 mm

Length (dep. on equipment) ~10'000 mm

Width of loading apron (adjust.) 1'850-2'950 mm

Width of conveyor (internal) 620 mm

Height of conveyor (internal) 650 mm

Conveyor capacity approx. 150 m³/h

Conveyor discharge height 1'800-2'850 mm

Operating weight approx. 21,6 t

Boom Equipment F3

F3 Boom equipment for heading and loading, includes:

- King post with jib, swivel console (2x 45°) and dipper stick
- Excavation and mucking bucket, width 350 - 700 mm
- Hydraulic circuit for a hydraulic rock breaker
- Loading capacity acc. to rock conditions approx. 2,0 m³/min
- Breakaway torque 100 kN
- Tear-out over dipper stick 64 kN
- Lifting power (without working tool) 20 kN

Other Equipment

It is possible to attach a range of ancillary equipment, such as different bucket sizes, ripper tooth, pony truck, rubber plated conveyor, other voltage and frequency, other boom, quick hitch device, transverse cutting unit, soot particle filter, central lubrication device, extinguisher system, etc.

Further details of attachments and accessories available upon request.

Subject to modification without prior notice.



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