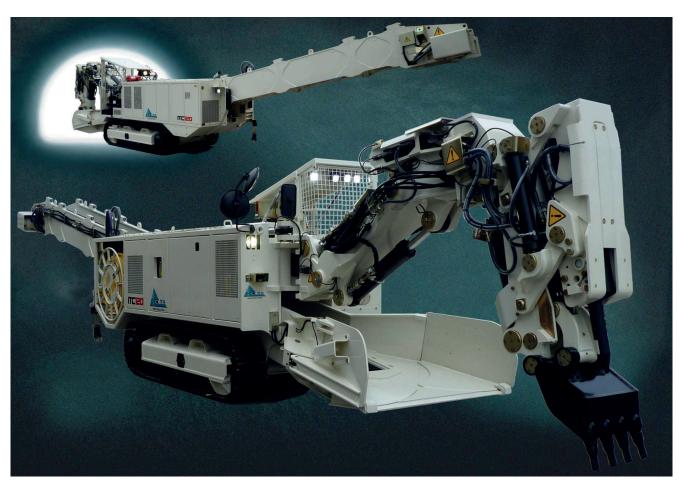


# TUNNEL HEADING AND LOADING MACHINE

# ITC 125 - F2



Excavation boom equipment with rock breaker
 / bucket combination for tunnelling in soft and
 medium hard ground conditions by using bucket
 and hydr. hammer

Diesel drive
 80 kW

Electric drive 75 kW

Operating weight approx. 25 t



## Technical data ITC 125 – F2

#### 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  $\,$  75 kW Diesel drive for travelling and operation without electrical supply

Water-cooled diesel engine, Deutz TCD3.6 L04

Power rating at 2,300 r.p.m 80 kW Diesel engine complies with emission standard EU V, US T4f, EU IV

#### Electrical system

Total installed power

Voltage (standard)

Control voltage

Electrical system acc. to

Cable reel hydraulically driven with 75 m

Cable cross section at 400 V - 50 Hz

Cable 20 (B60529)

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

Hydraulic pump flow rate 280 l/min

Max. hydraulic operating pressure 280-380 bar

Hydraulic oil capacity (incl. tank) 400 l

Hydraulic oil tank 300 l

Operating data (F2 boom equipment)

Mininimal cross section	approx. 9 m <sup>2</sup>
Machine width	1'950 mm
Maximal height	2'400-2'750 mm
Transport height	2400 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. 25 t

# Boom Equipment F2

Excavation boom equipment for heading and loading, includes:

- · King post with jib and swivel & tilt console
- Tool holder with a combination of hydraulic hammer and excavation / loading bucket
- · Automatic lubrication system for the hammer
- Water spraying device (optional)
- Breakaway torque
   Tear-out force over dipper stick
   69 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.



