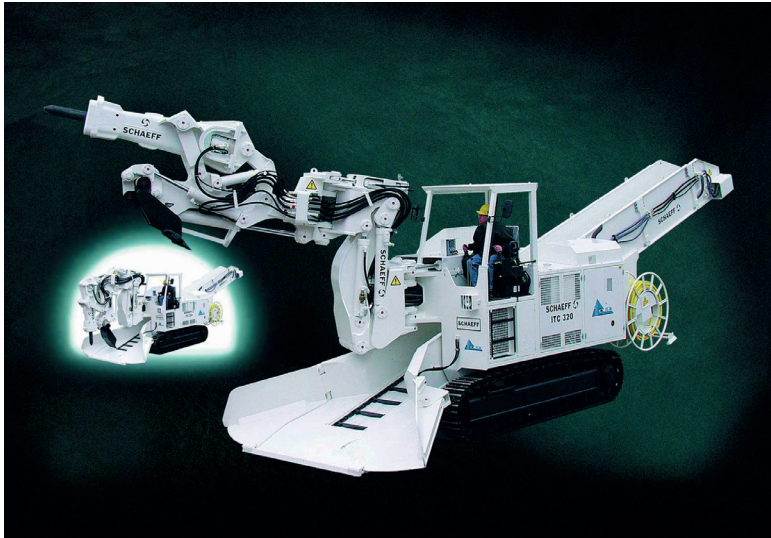


Tunnel heading and loading machine

Model ITC320 V45 #0312



Informations

- Excavation boom equipment for tunnelling in soft and medium hard ground conditions.
- Construction year 2001
- Electric drive 9'076 h
- Diesel drive 2'537 h
- Rock breaker V45 1'497 h

Technical data ITC 320 V45

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 BF4M 1013 EC

Power rating at 2'300 r.p.m 100 kW

Diesel engine complies with emission standard EEC Euro St. 2

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 90 m cable 3x95 + 3x16 mm²

Operator's cab

Operator's cab gives all-round visibility

Roof foldable for transport.

Hydraulic system

Load Sense hydraulic system with combination axial piston pump and gear pump.

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) 600 l

Hydraulic oil tank 500 l

Operating data

Minimal cross section approx. 18 m²

Machine width 2'500 mm

Maximal height 3'300 mm

Transport height 2'750 mm

Length (dep. on conveyor) ~12'000 mm

Width of loading apron (adjust.) 2'200 - 3'500 mm

Width of conveyor (internal) 770 mm

Height of conveyor 800 mm

Conveyor capacity approx. 250 m³/h

Conveyor discharge height 2'500 - 3'500 mm

Operating weight approx. 40 t

Boom Equipment V45

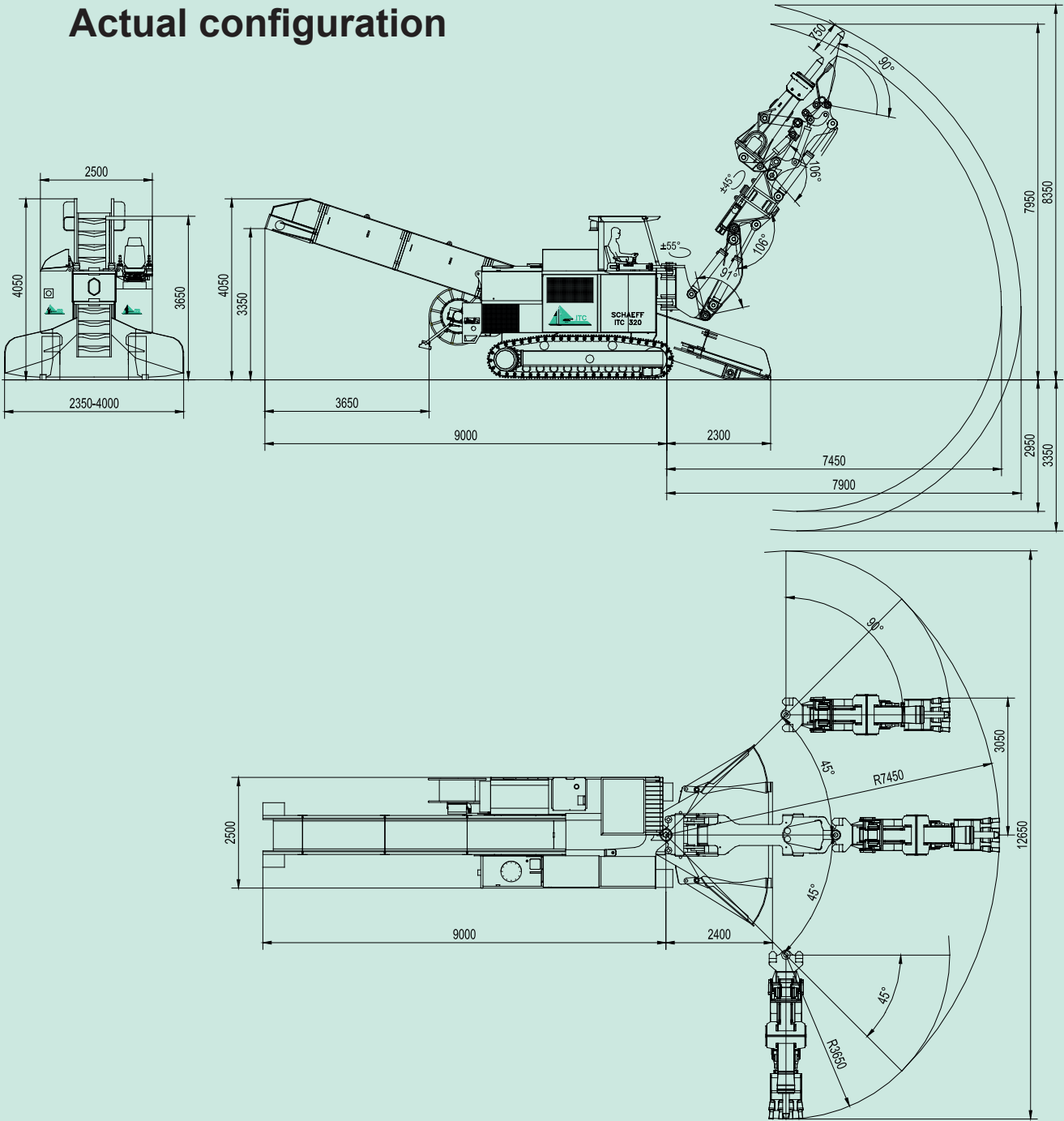
Excavation boom equipment with rock breaker / bucket combination for tunnelling in soft and medium hard ground conditions by using bucket and hydr. hammer, composed of:

- King post with jib and tilt console
- Tool holder with a combination of hydraulic hammer and excavation / loading bucket
- Automatic lubrication system for the Hammer
- Water spraying device
- Loading capacity acc. to rock conditions approx. 2.5 m³/min

Other Equipment

There is the possibility for the attachment of a range of ancillary equipment such as pony-truck, rubber plated, soot filter, etc...

Actual configuration



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