Tunnel heading and Loading Machine

Model ITC312 #0268

Informations

- Construction year: 1997
- Electric drive: 2117 h
- Diesel drive: 1390 h

Technical data ITC 312

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 F6L912 W
- Power rating at 2'300 r.p.m: 63 kW
- Diesel engine complies with emission standard EEC Euro St. 2

Electrical system
- Total installed power: 95 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 95 m cable: 3x95+3x16 mm²

Operator’s cab
- Operator’s cab gives all-round visibility, demontable 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): 340 l
- Hydraulic oil tank: 270 l

Operating data
- Minimal cross section: approx. 20 m²
- Machine width: 2'300 mm
- Maximal height: 3'850 mm
- Transport height: 2'700 mm
- Length (dep. on conveyor): 11'200 mm
- Width of loading apron (adjust.): 2'100-3'300 mm
- Width of conveyor (internal): 770 mm
- Height of conveyor (internal): 800 mm
- Conveyor capacity: approx. 250 m³/h
- Conveyor discharge height: 3'250 mm
- Operating weight (without boom): approx. 23 t

Other Equipment
- FOPS protection cab with front guard.
Actual configuration
ITC 312

Possible variantes
ITC 312 H1

ITC 312 H3

ITC 312 H6