

UNIGROUT E 22 H

Grout Plant for stationary or mobile use

B-213



Designed for trailer, truck or railcar mounting.
This complete grout plant is ready for work.

Atlas Copco

Dimensions and general data

byline

Specification

Unigrout is a complete grouting plant ready for immediate use.

A Unigrout always consists of: Mixer, agitator, pump, power unit, control panel and all necessary hoses.

Cemix 203H

A high speed colloidal mixer comprising container and impeller housing. After mixing, the grout is pumped into the Cemag.

Cemag 402H

Agitator comprising cylindrical container with angular base, slow running and inclined mixer shaft fitted with two pairs of blades: One set close to the base and the other in the centre of the tank. A strainer at the intake prevents large particles from entering the mixture.

Pumpac

The PUMPACT™ – Pumpsystem is based on the same efficient double acting pump principle used on the wellknown ZB range of grout pumps. Now even more simple and user friendly.

- Modularized parts.
- Independently and stepless variable pressure and flow.
- Easy and fast change of valve assembly units.
- Environmentally friendly hydraulic fluid.

Power Unit

22 kW hydraulic unit with variable hydraulic pumps and separate independent hydraulic circuits for hydraulically driven pumps, agitators and mixers. Pressure and flow adjustable independent of each other. The pumps, mounted in a row, are lowered into the tank and connected to the electric motor by means of a flexible shaft-coupling. The gear pumps are provided with pressure relief valves set at 210 bar. A water/oil cooler is mounted in the return line before the tank mounted return filter. The hydraulic tank is provided with filler cap with breather and level control with a temperature-gauge and motor cut-out switches for low oil-level.

Grout pump PUMPACT™

Grout cylinder \varnothing 110 mm
Grout flow 0 – 120 l/min

Two grout pressure setting levels

Low pressure 2 – 10 bar
High pressure 8 – 100 bar

Grout cylinder \varnothing 150 mm
Grout flow 0 – 200 l/min

Two grout pressure setting levels

Low pressure 2 – 10 bar
High pressure 8 – 55 bar

Max. granular size 5 mm

Pressure and flow can be adjusted separately during grouting operation.

Hydraulic pump

– flow 0 – 63 l/min
– pressure 0 – 215 bar

Power Unit (PUG 22)

Electric motor 22 kW, 400 V, 50 Hz

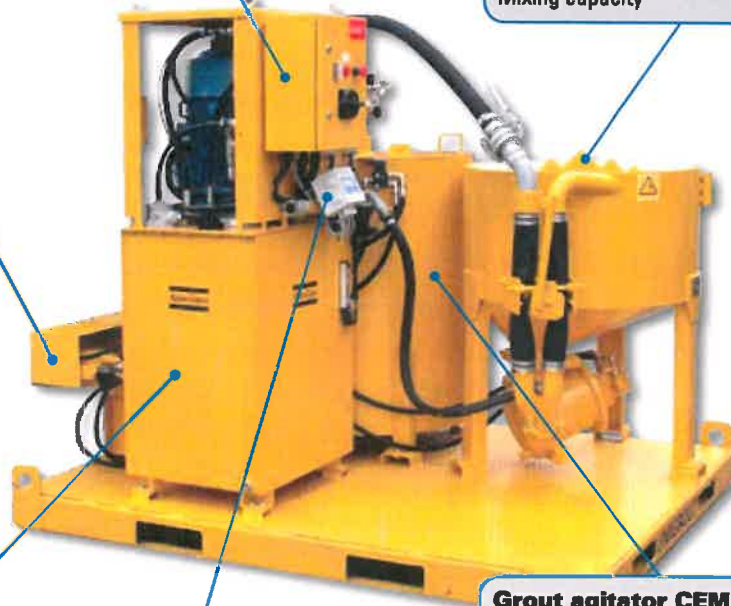
Dimensions

Length 2 000 mm
Height 1 700 mm
Width 1 600 mm
Weight 1 250 kg

Electrical cabinet

Grout mixer CEMIX® 203H

Volume 200 l
Mixing capacity 0 – 3 m³/h



Water meter

Capacity max 190 l/min

Grout agitator CEMAG® 402H

Volume 400 l
Rotation speed of agitator shaft 60 – 70 rpm

Atlas Copco reserves the right to make modifications without prior notice.