

Mixing Plant OM 500-3-3A



Application area: grouting, anchors, flush-drilling
Mixing material: solid agent suspensions
Holding tank without pump-off function
Mixer valves manually operated
Steel tank



Technical data:

Drive		: Electric
Mixer and agitator drives		: 12.1 kW
Total drive power		: 12.4 kW plus helical conveyors
Total required power		: 13.2 kW incl. special equipment
Connections	- electric	: CEE 32 A/ 380 V, 50 Hz
	- water	: C-coupling
	- suspension outlet	: 1 x ID 80 3 x ID 50
	- controlled plug	: _____ for controlled switch cabinets ES-15/ ES-30
Dimensions (L, W, H)		: 2690 x 1600 x 2350 (mm)
Weight		: ca. 1000 kg

Performance

Mixer		
Manually charging up to	: 10 m ³ /h	at 20 cycles
Charging with FS-DK up to	: 13 m ³ /h	at 26 cycles

required power without helical conveyors

technical data as of Nov. 1999, subject to change

OM 500-3-3A Assembly groups/machine technology

Frame:

- Tubular steel,
- Central lifting eye,
- Fork lift slots,
- Tip-up step,
- Exterior paint RAL 3000 (red)

Operating elements:

- ON/OFF switch for mixer motor,
- ON/OFF switch for the agitator motor at the holding tank,
- ON/OFF button for the semi-automatic water dosage,
- Manually operated valves for the mixer functions
- Circulation/Pumping off

Mixing tank:

- Round steel tank, conical bottom,
- Cleaning hatch at the bottom,
- Tank capacity: 650 l, working capacity: 500 l
- Hopper with sack ripper

Holding tank:

- Round steel tank, bottom upwards conical,
- Cleaning hatch at the bottom,
- Tank capacity: 1150 l, working capacity: 1000 l

Special equipment:

SA Liquid inlet:

SA1 Water distributor with flushing connection ID 50/R 2"

SB Solid agent adding:

SB1 Dust-removing filter

SC Liquid outlet:

SC4 Controlled, compressed air operated outlet and flushing valves

SD Unit control / Data registration:

SD1 Fully automatic control incl. ultrasound filling level switch in the holding tank, for volumetric solid agent dosage with FS-DK (no menu control)

SF Others:

SF1 Compressed air operated valves for circulation/pumping off and water outlet incl. pre-control

SF2 Compressor LK01, 0.75 kW, with compressed air tank V = 10 l, pressure switch, pressure reducer and maintenance kit

SF7 Choice of power supply socket

SF8 Choice of drive voltage and frequency

Electrics:

- Electric motor for mixer drive in the mixing tank
11 kW, 380 V, 50 Hz, IP 54,
- Electric motor for agitator drive
1.1 kW, 380 V, 50 Hz, IP 54,
- Main switch, motor protection switch,
- Autom. phase correction, ground wire not necessary

Water dosage:

- Water distributor
- Water holding and dosing tank V = 500 l,
- Adjustable overflow,
- Manually operated water outlet valve,
- Magnetic valve for water inlet

Tools in the mixing tank:

- Primary mixing tools:
- Two high-speed mixing tools on the same shaft with pump-off function.
- Drive bearings above the mixer level;
no package seals, therefore no problems when running dry.

Tools in the holding tank:

- Agitator tools:
- slow rotation, spiral configuration,
- drive bearings above the mixer level;
- no package seals, therefore no problems when running dry

Accessories:

- Special tools for operation and maintenance
- Operation manual and spare part list

Optional extras:

ZWB Solid agent adding:

ZWB2 Helical conveyors FS-DK...

ZWB5 Silo outlet hose

ZWB6 Hopper with sack ripper

ZWD Unit control / Data registration:

ZWD2 Controlled switch cabinets ES-15/ ES-30

ZWF Others:

ZWF1 Spare part sets

ZWF2 Specail tool set

ZWF3 Hose-binding tool

Complementary equipment:

Grouting containers, grouting pumps, pressure and volume recorders, helical conveyors, water supply stations