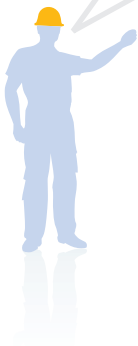


STEP 120

The screw pump for the professional plasterers with conventional mortar and premixed materials

APPLICATIONS

For spraying and pumping conventional mortar and premixed plasters, fibre-reinforced and refractory mortars, grouting, fireproof materials, self-levelling screeds, for reinforcing injections at controlled pressure.



✓ Optional planetary mixer for conventional mortar and premixed plasters

50 Hz
 ↓ **STEP 120 230V/50Hz**
 2.2 kW Sph
 Cod. 1106090

↓ **STEP 120 400V/50Hz**
 with 2 speed - 3.6/4.8 kW Tph
 Cod. 1106091



✓ Loading height 1.20 m

✓ Mixer with mixing capacity max. 90 l and possibility of reverse rotation of the mixing paddles

✓ Max. flow rate 35 l/min.

✓ Max. pumpable grain size 8 mm

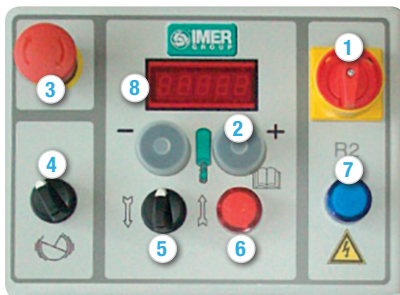
✓ Pumping distance: up to 60 m*
 Material hose Ø 35 mm

✓ Integrated compressor

✓ High capacity hopper provided with a vibrating grid: loading height fitted for being charged by a traditional concrete mixer (120 l)

CONTROL PANEL

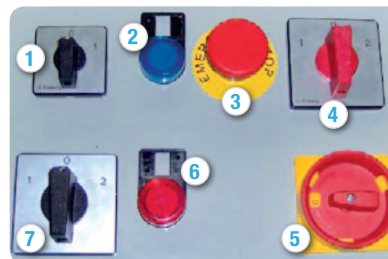
(Single-phase version)



- 1 Main switch
- 2 Speed selector
- 3 Emergency stop button
- 4 Vibrating grid switch
- 5 On-off reverse switch (material flow / pressure discharge)
- 6 Grid failure light
- 7 Power on-off light
- 8 Digital display / hour meter

CONTROL PANEL

(Three-phase version)



- 1 Screw pump main switch
- 2 Power light
- 3 Emergency stop button
- 4 Phase inverter
- 5 Main switch
- 6 Vibrating grid light
- 7 Electric motor speed selector (1/2)

Standard Equipment (Cod. 1106090 230V/50Hz)

- ✓ Electric panel with inverter
- ✓ Stator and rotor for conventional mortar (IM 25L)
- ✓ Spraying gun for conventional/premixed mortar
- ✓ Vibrating grid
- ✓ 250 l/min. compressor
- ✓ 30 m (20+10) of material hose Ø 35 with cam couplings
- ✓ 31 m of air hose Ø 13 with quick couplings
- ✓ Accessory box for conventional mortar spraying

Standard Equipment (Cod. 1106091 400V/50Hz)

- ✓ Electric panel
- ✓ Stator and rotor for conventional mortar (IM 25L)
- ✓ Spraying gun for conventional/premixed mortar
- ✓ Vibrating grid
- ✓ 310 l/min. compressor
- ✓ Pneumatic remote control
- ✓ 30 m (20+10) of material hose Ø 35 with cam couplings
- ✓ 31 m of air hose Ø 13 with quick couplings
- ✓ Accessory box for conventional mortar spraying

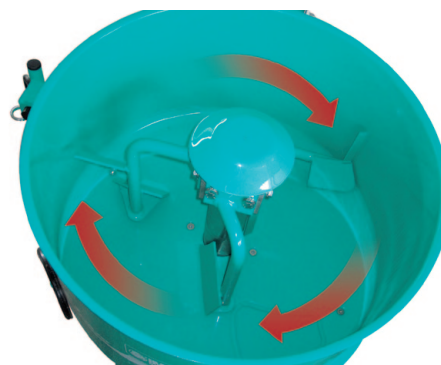


PLANETARY MIXER

- Mixer capacity: 120 l
- Output per cycle: 90 l
- Loading height: 1230 mm
- Motor: 1,1 kW three-phase / 1,4 kW single-phase
- Reverse rotation of mixing paddles



FAST AND HOMOGENEOUS MIXING



Thanks to the planetary mixing system at forced speed the mixing time is short: for mixing 80 litres of lean mortar it takes approximately 40 seconds.



Planetary mixer
230V/50Hz 1,4 kW Sph
Cod. 1107572



Planetary mixer
220V/60Hz 1,1 kW Sph
Cod. 1107596



Planetary mixer
400V/50Hz 1,4 kW Tph
Cod. 1107573



Planetary mixer
220V/60Hz 1,1 kW Tph
Cod. 1107509

		STEP 120 230V/50Hz		STEP 120 400V/50Hz	
		with mixer	without mixer	with mixer	without mixer
Supply	-				
Motor power rate	kW	2,2	2,2	3,6 at 1 speed/4,8 at 2 speed	3,6 at 1 speed/4,8 at 2 speed
Mixer power rate	kW	1,4	-	1,1	-
Electric compressor	-	kW 0,75 l/min 250	kW 0,75 l/min 250	kW 2,2 l/min 310	kW 2,2 l/min 310
Max grain size (IM 25L)	mm	8	8	8	8
Maximum flow rate	l/min	from 4 to 20	from 4 to 20	17/35	17/35
Horizontal pumping distance (*)	m	40	40	60	60
Vertical pumping distance (*)	m	15	15	30	30
Hopper capacity	l	120	120	120	120
Mixer capacity	l	120	-	120	-
Dimensions width/length/h	mm	820/2040/1275	820/2040/960	820/2040/1275	820/2040/960
Weight	kg	404	280	404	280

(*) The pumping distance may vary depending on: the type of material used, pumping height, material consistency, type of pump installed.

STEP 120



50 Hz

↓ **STEP 120 F**
400V/50Hz Tph
Cod. 1106089

Standard Equipment:

- ✓ Electric supply and control board
- ✓ 20 m of electric supply cable
- ✓ Pre-arrangement for electric remote control
- ✓ Electric motor (3,6/4,8kW for three-phase)
- ✓ Stator and screw for traditional/premixed mortar (IM25L)
- ✓ Spray gun for premixed/traditional mortar Ø 35
- ✓ Deflectors Ø12 and Ø14 for premixed mortar
- ✓ Rubber deflectors Ø14 and Ø16 for traditional mortar
- ✓ Vibrating grid
- ✓ Compressor 310 l/min
- ✓ 30 m hose for material (20m DN35+10m DN50) with cam couplings
- ✓ 30 m air hose Ø13 (20+10 m) with quick couplings
- ✓ Hose holder
- ✓ Accessory box
- ✓ Hard Wheels
- ✓ Kit for hose cleaning DN50
- ✓ Kit cleaning sponges DN50
- ✓ Kit cleaning sponges DN35



60 Hz

↓ **STEP UP 120** 220V/60Hz Sph
towable with planetary mixer
Cod. 1106098

Standard Equipment:

- ✓ Electric supply and control board
- ✓ 20 m of electric supply cable
- ✓ Prearrangement for electric remote control
- ✓ Electric motor (2,2kW for single-phase)
- ✓ Stator and screw for traditional/premixed mortar (IM25L)
- ✓ Spray gun for premixed/traditional mortar Ø 35
- ✓ Deflectors Ø 12 and Ø 14 for premixed mortar
- ✓ Rubber deflectors Ø 14 and Ø 16 for traditional mortar
- ✓ Vibrating grid
- ✓ Compressor 250 l/min
- ✓ 30 m hose for material (20+10m) Ø35 with cam couplings
- ✓ 31 m air hose Ø13 with quick couplings
- ✓ Hose holder
- ✓ Accessory box
- ✓ Kit for hose cleaning DN50
- ✓ Towable kit



50 Hz

↓ **STEP 120** 230V/50 Hz Sph
grouting without planetary mixer
Cod. 1106088

Standard Equipment:

- ✓ Electric supply and control board
- ✓ 20 m of electric supply cable
- ✓ Prearrangement for electric remote control
- ✓ Electric motor (2,2 kW for single-phase)
- ✓ Stator and screw for traditional/premixed mortar (IM25L)
- ✓ Vibrating grid
- ✓ 30 m hose for material (20+10m) Ø 35 with cam couplings
- ✓ Hose holder
- ✓ Accessory box
- ✓ Hard Wheels
- ✓ Kit for hose cleaning DN50

60 Hz

↓ **STEP 120** 220V/60 Hz Sph
grouting without planetary mixer
Cod. 1106088



60 Hz

↓ **STEP 120** 220V/60Hz Sph
without planetary mixer
Cod. 1106097

Standard Equipment:

- ✓ Electric supply and control board
- ✓ 20 m of electric supply cable
- ✓ Prearrangement for electric remote control
- ✓ Electric motor (2,2kW for single-phase)
- ✓ Stator and screw for traditional/premixed mortar (IM25L)
- ✓ Spray gun for premixed/traditional mortar Ø 35
- ✓ Deflectors Ø12 and Ø14 for premixed mortar
- ✓ Rubber deflectors Ø14 and Ø16 for traditional mortar
- ✓ Vibrating grid
- ✓ Compressor 250 l/min
- ✓ 30 m hose for material (20+10m) Ø35 with cam couplings
- ✓ 31 m air hose Ø13 with quick couplings
- ✓ Hose holder
- ✓ Accessory box
- ✓ Hard Wheels
- ✓ Kit for hose cleaning DN50



60 Hz



STEP 120 220V/60Hz Tph
without planetary mixer
Cod. 1106086



STEP 120 400V/60Hz Tph
without planetary mixer
Cod. 1106087

Standard Equipment:

- ✓ Electric supply and control board
- ✓ 20 m of electric supply cable
- ✓ Prearrangement for electric remote control
- ✓ Electric motor 3,6-4,8 kW
- ✓ Stator and screw for traditional/premixed mortar (IM25L)
- ✓ Spray gun for premixed/traditional mortar Ø35
- ✓ Deflectors Ø12 and Ø14 for premixed mortar
- ✓ Rubber deflectors Ø14 and Ø16 for traditional mortar
- ✓ Vibrating grid
- ✓ Compressor 310 l/min
- ✓ 30 m hose for material (20+10m) Ø35 with cam couplings
- ✓ 31 m air hose Ø13 with quick couplings
- ✓ Hose holder
- ✓ Accessory box
- ✓ Hard Wheels
- ✓ Kit for hose cleaning DN50



50 Hz



STEP 120 400V/50Hz Tph
for grouting, without planetary mixer
Cod. 1106074

Standard Equipment:

- ✓ Electric supply and control board
- ✓ 20 m of electric supply cable
- ✓ Electric remote control with 37 m cable
- ✓ Electric motor (3,6-4,8 kW three-phase)
- ✓ Stator and screw for traditional/premixed mortar (IM25L)
- ✓ Vibrating grid
- ✓ Without compressor and air system only for grouting
- ✓ 30 m hose for material (20+10m) DN 35 with cam couplings
- ✓ Hose holder
- ✓ Accessory box
- ✓ Hard Wheels
- ✓ Kit for hose cleaning DN50



50 Hz



STEP 120 GR 230V/50Hz Sph
(towable without planetary mixer)*
Cod. 1106075

Standard Equipment:

- ✓ Electric supply and control board with inverter
- ✓ Stator and rotor for conventional mortar (IM 25L)
- ✓ Spraying gun for conventional/premixed mortar
- ✓ Vibrating grid
- ✓ Compressor 250 l/min
- ✓ 30 m hose for material (20+10) Ø 35
- ✓ 31 m air hose Ø 13
- ✓ Accessory box
- ✓ Kit for hose cleaning DN50



60 Hz



STEP 120M LA 220V/60Hz Sph
with planetary mixer
Cod. 1106099

Standard Equipment:

- ✓ Electric supply and control board
- ✓ 20 m of electric supply cable
- ✓ Prearrangement for electric remote control
- ✓ Electric motor 2,2 kW
- ✓ Stator and screw for traditional/premixed mortar (IM25L)
- ✓ Spray gun for premixed/traditional mortar Ø 35
- ✓ Deflectors Ø12 and Ø14 for premixed mortar
- ✓ Rubber deflectors Ø14 and Ø16 for traditional mortar
- ✓ Vibrating grid
- ✓ Compressor 250 l/min
- ✓ 40 m hose for material (20m DN35+10m DN50+10m DN50) with cam couplings
- ✓ 40 m air hose Ø13 with quick couplings
- ✓ Hose holder
- ✓ Accessory box
- ✓ N.5 cleaning sponges for hose DN50
- ✓ Hard Wheels
- ✓ Kit for hose cleaning DN50



50 Hz



STEP 120 GR 230V/50Hz Sph
(towable with planetary mixer)*
Cod. 1106077

Standard Equipment:

- ✓ Electric supply and control board with inverter
- ✓ Stator and rotor for conventional mortar (IM 25L)
- ✓ Spraying gun for conventional/premixed mortar
- ✓ Vibrating grid
- ✓ Compressor 250 l/min
- ✓ 30 m hose for material (20+10) Ø 35
- ✓ 31 m air hose Ø 13
- ✓ Accessory box
- ✓ Kit for hose cleaning DN50

* The road towing is valid only in the countries where it is allowed.