



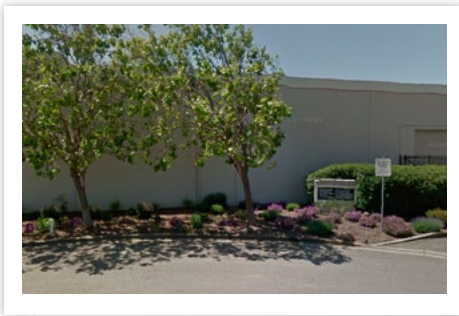
PUMP IT, GROUT IT, SPRAY IT

The Pump Catalog From IMER USA



Modern Technology

OLD SCHOOL QUALITY



IMER USA West
Assembly Facility
Hayward, CA



IMER USA
Headquarters & Assembly Facility
Capitol Heights, MD

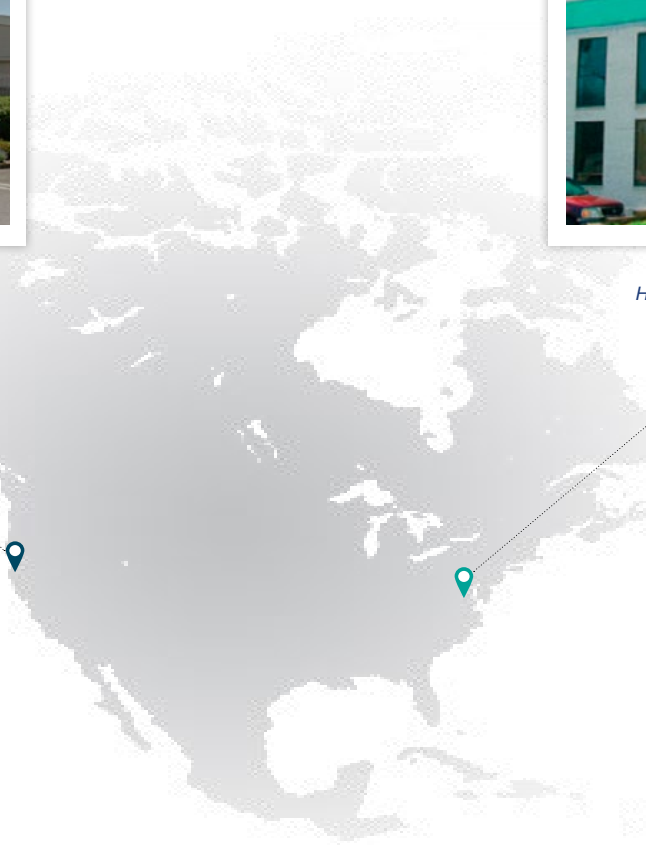


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Electric Motors Available

115V/60Hz 1 phase

220V/60HZ 1 phase

220V/60HZ 3 phase

Worldwide Development and Distribution



Batch Plants
Basaldella di Campoformido (Udine), Italy



Earth Moving
San Gimignano (Siena), Italy



Truck Mixers
Aksaray, Turkey



Pumps, Saws, Mixers & Hoists
Rapolano Terme (Siena), Italy



Aerial Lifts
Pegognaga (Mantua), Italy



Group Headquarters
Poggibonsi (Siena), Italy

With the strength of over 550 employees, the Group has 5 production plants, which occupy a total surface area of over 96 acres with 900,000 SF under one roof.

The IMER Group brand boasts a very complete range of construction equipment which allow the contractor to work better, safer and more efficiently.

Since 1967, market and export trends pushed the Company to expand into foreign markets, setting up foreign sales and distribution.

At present there are nine branches in Europe, the United States, Asia and Africa.

A further force behind the Group's expansion is the presence in the major rental centers around the world. While in Italy a network of over 1000 dealers ensures widespread market coverage.



- IMER France**
Grenoble, France
- IMER Iberica**
Saragossa, Spain
- IMER Direct (GB)**
Birmingham, United Kingdom
- IMER USA**
Capiton Heights, Maryland
Hayward, California
- IG Russia**
Lipetsk, Russia
- IMER ORU Far East**
Singapore
- IMER Middle East**
Beirut, Lebanon
- I.M.E.R Maroc**
Casablanca, Morocco
- IMER Shanghai**
Shanghai, China

Quality Control and Customer Service



High quality materials and products



Years of experience and technological innovation



Service support is available for all



Products and services on the web at www.imerusa.com



KOINE SERIES CONTINUOUS PUMPS

for premixed mortars and grouts



KOINE 35

Single-phase mortar & plaster sprayer for bagged premixed materials



<76 dB

MULTIPLE APPLICATIONS

For the continuous mixing, spraying and pumping of pre-blended cementitious and gypsum based mortars, stucco, fireproofing, self-leveling underlayments and grouts.



✓ Mixing chamber access is quick and easy. Clean up at the days end is simple.

✓ Use the standard water booster pump to quickly and easily flush out the material hose

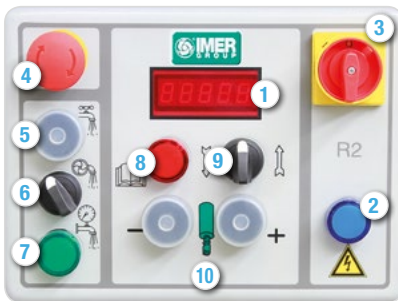
✓ Continuous operation means that production is very efficient and effective. Run fast... run hard!

✓ Onboard dual diaphragm compressor delivers a constant flow of air for spray applications



✓ The sophisticated inverter control panel monitors the incoming electricity and the output power to the motors. The LED display lets you know how the pump is running and reports any problems

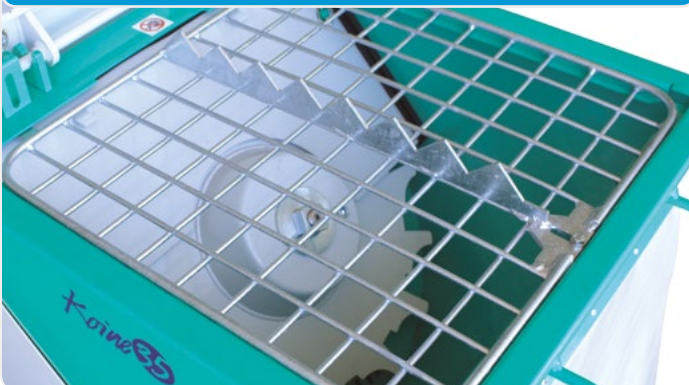
CONTROL PANEL



- 1 Smart display panel
- 2 Current indicator light
- 3 ON/OFF switch
- 4 Emergency stop button
- 5 Manual water control
- 6 Water booster pump switch
- 7 Min. water pressure indicator
- 8 Mixing chamber safety sensor
- 9 Forward / Reverse
- 10 Rotor / stator speed control

Continuous production, break a bag and get going...Automatically!

CONTINUOUS FEED IMPELLER



Standard Equipment

- ✓ Continuous mixer
- ✓ D8 1.5 stator and rotor
- ✓ Material delivery pressure gauge
- ✓ Control panel with exclusive IMER 4 speed inverter
- ✓ Self-priming water booster pump
- ✓ Water system with flow meter and NOFREEZE discharge valve
- ✓ 66' of electric cord
- ✓ 66' of water hose Ø 19 mm (3/4")
- ✓ 50' of air hose Ø 13 mm (9/16")
- ✓ 50' of material hose Ø 25 mm (1")
- ✓ Spray gun with nozzles
- ✓ Hose cleaning kit with toolbox
- ✓ Mixing chamber clean out tool
- ✓ Remote pneumatic control via the air hose



✓ Handles for transport, roll it around the jobsite

✓ Single-phase 3 HP motor with a gearbox drive reduction system, very powerful with no maintenance

✓ The modular design means you can knock it down into 4 pieces. Take it anywhere!

✓ Convenient tool box stores your gun, tips wrenches and cleaning tools

✓ 4 speed material flow rate delivers 34, 45, 53 or 60 cubic feet per hour or 2 qty, 50 lb bags of grout per minute

✓ Pump and spray up to 300 feet!

✓ The continuous feed impeller blade makes sure that materials are broken up and ready to be mixed. While the angle of the delivery chute keeps material flowing into the mixer very efficiently

✓ Smart control panel inverter will alert you to some common problems such as insufficient water, material blockage or power supply issues



- Recommended accessories for**
- Fire-proofing and stucco setup**
- ✓ 1107084 Stator Eco Star – Violet 17-36 CF/h
 - ✓ 1107085 Rotor Eco Star
 - ✓ 1107517 Turbo Mixer (use with 1107028 and 1107029)
 - ✓ 1107028 D8 - 1.5 stator
 - ✓ 1107029 D8 - 1.5 rotor w/tab (for use with Turbo Mixer)
- Self-leveling and grouting setup**
- ✓ 1107517 Turbo Mixer (use with 1107028 and 1107029)
 - ✓ 1107028 D8 - 1.5 stator
 - ✓ 1107029 D8 - 1.5 rotor w/tab
 - ✓ 1107597 Self-leveling mixing paddle

Power	-	220V/60Hz, 1 phase
Total machine horsepower	HP	5
Drive motor	HP	3
Feeding impeller motor	HP	1/2
Electric compressor	-	1HP, 9 CFM
Material flow rate (D8 - 1.5 stator)	CF/h	34, 45, 53, 60
Maximum pumping distance*	Ft.	300'
Gearbox speed	RPM	180, 240, 280, 320
Water booster pump	HP/PSI	1/2hp /70 PSI boost
Dimensions width/length/height	In.	27/62/47
Weight	Lbs.	561
Sound level	dB(A)	< 76 very quiet!

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

KOINE 4

Hi speed continuous mixing / pumping for bagged premixed materials



<80 dB

MULTIPLE APPLICATIONS

When the application calls for more volume, more distance and more hours of operation...upgrade to the Koine 4, 220V, 3 phase.



✓ The heavy duty 7.5 HP, 3 phase electric motor with a gearbox drive reduction system delivers 100% duty cycle for continuous use all day long

✓ Phase converter switch means you won't have to manually swap wires depending on the current's polarity

✓ Hook up to a HEPA vacuum (not included) to ensure a virtually dust free environment

✓ Comes standard with R8 stator, 21 GPM of flow or 7 qty, 50 lb. bags of grout per minute.

✓ Self-priming water booster pump with stainless steel housing and brass impeller. A reliable and long lasting design



Continuous production, break a bag and get going...Automatically!

CONTINUOUS FEED IMPELLER



Standard Equipment

- ✓ Stator and rotor R8
- ✓ Material delivery pressure gauge
- ✓ Gear driven feed impeller
- ✓ Vacuum ready kit for controlling dust
- ✓ Self-priming stainless steel water pump
- ✓ Water system with flow meter and NOFREEZE discharge valve
- ✓ 130' electric cord
- ✓ 130' water hose Ø 19 mm (3/4")
- ✓ 33' material hose, Ø 35 mm (1-3/8") with quick connects
- ✓ 90' of wired remote control to start and stop the pump
- ✓ Tool box w/ gun & accessories
- ✓ Clean up kit (scraper and sponge)
- ✓ Turbo mixer kit for additional mixing for lump free discharge



TURBO KIT AT NO CHARGE!



Turbo mixer gives a little extra mixing to the material before entering the hose



When needed the mixing chamber and the compressor can be removed quickly in order to make it even easier to move the Koine 4 from place to place

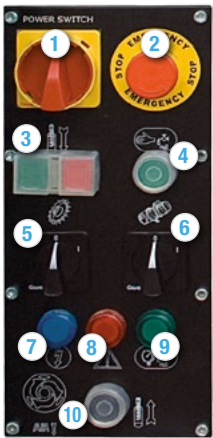


Store all your accessories in this handy tool box. Never lose pieces



Hook up the included wired remote to allow on and off control at the end of the hose

CONTROL PANEL



- 1 ON/OFF switch
- 2 Emergency stop button
- 3 Stator/rotor control
- 4 Manual water output switch
- 5 Feeding blade ON/OFF
- 6 Water pump ON/OFF
- 7 Electrical current indicator
- 8 Emergency stop light
- 9 Water pressure indicator
- 10 Emergency reverse switch



- Recommended accessories for**
- #### Fire-proofing and stucco set-up
- ✓ 1107028 Stator D8 - 1.5 – Yellow 75 CF/h
 - ✓ 1107029 Rotor with tab D8 - 1.5 ECO
 - ✓ 1107005 Koine gun kit for fireproofing and stucco
 - ✓ 3 Phase Dual Diaphragm Compressor
 - ✓ 1107549 5' Overhead gun
 - ✓ 1107565 35mm - 25mm camlock reducer
 - ✓ 1107103 25mm - Geka coupling clean out kit
 - ✓ 1107519 25mm cleaning balls
- #### Self-levelling underlayment set-up
- ✓ 1107528 Additional length of 35mm x 33' hoses

Power	-	220V/60Hz, 3 Phase
Total machine power	HP	9
Drive motor power	HP	7.5
Feeding impeller motor	HP	1
Water booster pump	HP/PSI	1/70 PSI boost
Material flow rate	CF/h	169
Max. pumping distance with Ø 25 mm (1") hose	Ft.	200+
Max. pumping distance with Ø 35 mm (1-3/8") hose	Ft.	300+
Gearbox speed	RPM	400
Loading height	In.	35.5
Dimensions width/length/height	In.	29/47/61.5
Weight	Lbs.	475
Sound level, very quiet!	dB (A)	< 65

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



MIGHTY SMALL 50

premixed and conventional mortars and grouts for
pumping and spraying



APPLICATIONS

For pumping and spraying of conventional mortars and grouts, waterproofing products, coatings, stucco, tuck-pointing, self-leveling underlayments, fireproofing and various other cementitious and acrylic products.



✓ Loading height 25.5"

✓ Setup and cleanup are super easy

✓ The electric panel with exclusive IMER inverter works under low voltage conditions



60 Hz
 ↓ **SMALL 50** 115V/60Hz
 2 HP, 1 Phase
 Model # 1106045

✓ Optional 9 CFM compressor, drops in and lifts off

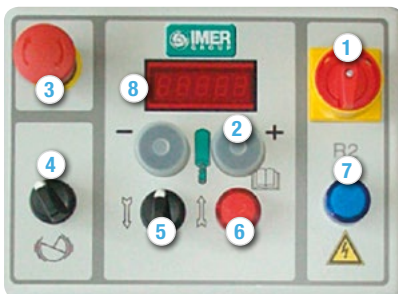
✓ Material flow from 0 to 30 CF/h up to 70 different speed settings

✓ Hopper plug - Ø 1.5" Part # 3225846

✓ The onboard programming allows for the option to automatically reverse the pump upon stopping to reduce the pressure in the hose and gun

SMALL 50 complete with optional vibrating screen and air compressor.

CONTROL PANEL



- 1 On/Off switch
- 2 Rotor/stator speed control
- 3 Emergency stop button
- 4 Vibrating grate switch
- 5 Rotor/stator forward/reverse
- 6 Safety default light
- 7 Current supply light
- 8 Diagnostic display

Standard Equipment SMALL 50

- ✓ Stainless steel hopper
- ✓ Rotor and stator D8 1.5 ECO - versatile performance
- ✓ Inverter driven control panel
- ✓ Electric remote control cable
- ✓ Pressure gauge for material pressure
- ✓ Accessory tool box

Power supply	-	120V/60Hz
Pump motor	HP	1.75
Material flow rate	CF/h	1.7 - 30
Max. aggregate size	In.	1/4
Maximum pumping distance hose Ø 19 mm (3/4")*	Ft.	100
Maximum pumping distance hose Ø 25 mm (1")*	Ft.	150
Hopper capacity	CF	1.75
Loading height	In.	25.5
Dimensions W x L x H	In.	20.5/44/25.5
Weight (with compressor)	Lbs.	90 (152)
Sound pressure level	dB (A)	< 74

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














Add accessories to fit your needs. Call IMER USA at 800-275-5463 to discuss your requirements.



SMALL 50 CONFIGURATIONS

Pumping and spraying applications

	<p>Pumping of grouts, self-leveling underlayments</p>	<p>Spraying fireproofing, repair mortar, stucco base coat 1/8" or more of build-up</p>	<p>Spraying waterproofing, acrylic stucco, elastomeric coatings 1/8" or less of build-up</p>	<p>Controlled pressure grout injection with pressure regulator 0 - 65 PSI</p>	<p>Tuck-pointing and grouting</p>
<p>Dual diaphragm compressor</p> 		●	●		
<p>Mortar, stucco and fireproofing gun kit</p> 		●			
<p>Stucco, paint and fine coatings gun kit</p> 			●		
<p>Grout injection kit</p> 				●	
<p>Tuck point gun kit</p> 					●
<p>25mm (1") material hose</p> 	●				
<p>5' overhead wand</p> 		○			
<p>Vibrating hopper</p> 				○	○
<p>Vibrating screen</p> 	○	○	○		
<p>Pipe hook</p> 	○				

● = required, ○ = optional



MORTARMAN 120+

premixed materials, mortars, stucco, grouts



MORTARMAN 120 Plus

Portable vertical shaft mixer

60 Hz

↓ Mortarman 120 Plus
110V/60Hz 2 HP 1 Phase
Model # 1194302

APPLICATIONS

Ideal for mixing bagged premixed materials, dry-pack, fireproofing and cements with aggregates up to 3/8", pea gravel is no problem



✓ Bag splitter for easy loading

✓ Controlled discharge outlet



✓ Easy roll wheel kit for loading into pick-ups or vans

✓ Effective output of 3 CF per batch

✓ 110V, 2 HP heavy duty motor

✓ Heavy duty electric control panel with forward and reverse

✓ Legs adjust for various discharge heights, mud pan, 5 gal. bucket, wheelbarrow

✓ Wheels for moving around on the job site

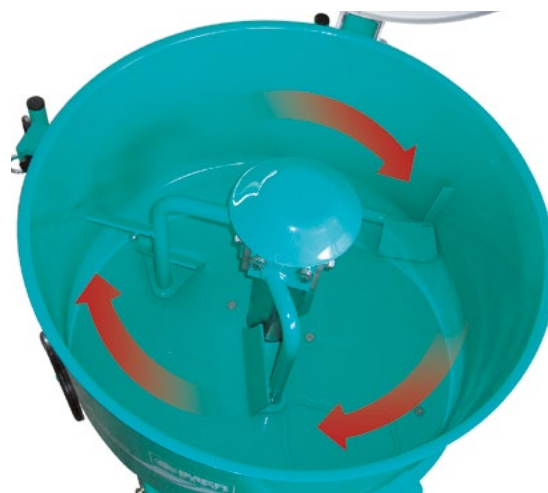


Standard Equipment

- ✓ Low voltage switch
- ✓ Electric safety limit switch for drum
- ✓ Bag splitters on the drum grate
- ✓ Extendable handles
- ✓ Additional wheels
- ✓ Lifting hooks

Drum capacity	CF	4.5
Batch output	CF	3
Drum diameter	In.	30
Max aggregate size	In.	3/8
Paddle speed	rpm	38
Electric motor power rate 110V/60Hz	HP	2
Current draw	A	15
SPL in operator's position	dB(A)	70
Machine weight (packing)	Lbs.	286 (310)
Dimensions l/h/w (packing)	In.	33/50/30 (35/38/31)

MIX COMPLETELY AND QUICKLY



The paddles are always in the mix, working hard. Even stiff muds are mixed thoroughly and completely.



Step-Up 120

premixed materials, mortars, stucco, grouts



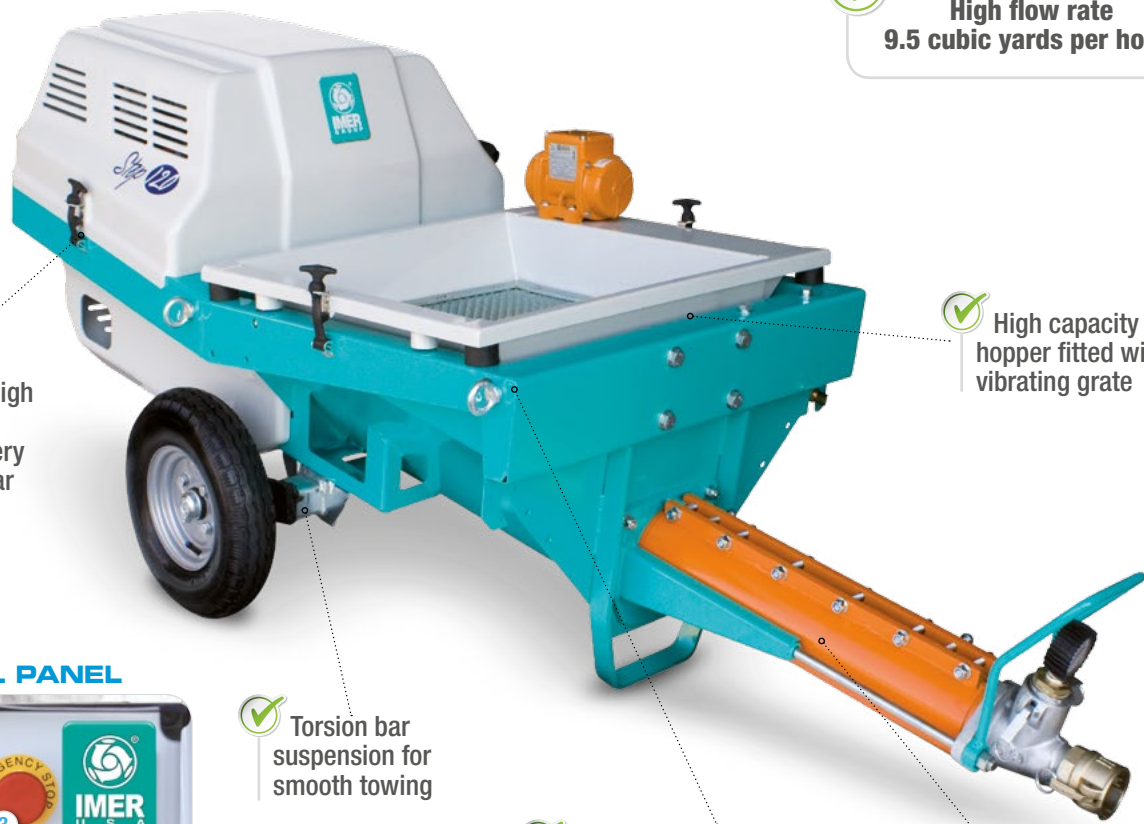
STEP-UP 120a

Hi-production screw pump for self-levelling and grouts

APPLICATIONS

For pumping gypsum or cement based self-levelling screeds, non-shrink grouts and repair mortars.

60 Hz
STEP-UP 120a
 220V/60Hz 3 phase
 Model # 1106094



✓ High flow rate
9.5 cubic yards per hour!

✓ 10 HP, 220V high torque 3 phase motor, pump very fast and very far

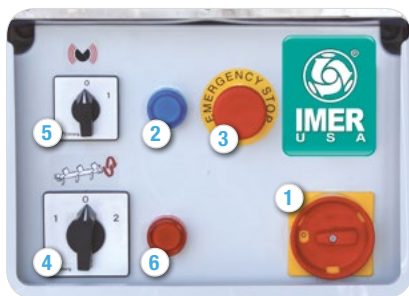
✓ High capacity hopper fitted with vibrating grate

✓ Torsion bar suspension for smooth towing

✓ Narrow width for getting through standard commercial doorways

✓ High flow 60.12 rotor and stator

CONTROL PANEL



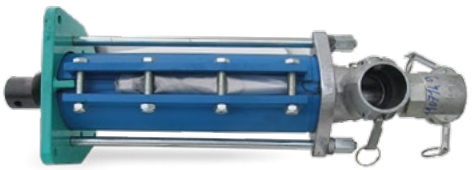
- 1 On/Off switch
- 2 Current supply light
- 3 Emergency stop button
- 4 Rotor/stator forward/reverse
- 5 Vibrating grate switch
- 6 Safety default light

Standard Equipment

- ✓ Three-phase 220V/60Hz motor – 10 HP
- ✓ Electric control panel
- ✓ Built-in low voltage electric remote control with 120' of cable
- ✓ 66' three phase power supply cord
- ✓ 60.12 high performance rotor-stator
- ✓ Vibrating grid
- ✓ 100' of hose (3 x 33') Ø 50 mm (2")
- ✓ Accessory box

Grouts or self-consolidating concretes - 3/8"

- ✓ 1107149 IM25L rotor/stator kit with mounting hardware



Recommended accessories for

Self-levelling and fine grouts

- ✓ 1107533 Additional length of 50mm (2") x 33' hoses

Power	-	220V/60Hz, 3 phase
Motor power rating	HP	10
Max aggregate size std. rotor - stator	In.	5/16"
Flow rate	CY/h	9.5
Max pumping distance	Ft.	200
Max pumping height	Ft.	100
Hopper capacity	CF	4.25
Dimensions length/width/height	In.	91/32/38
Weight	Lbs.	616
Sound pressure level	dB (A)	< 79

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

STEP-UP 120

Screw pump for pumping and spraying applications

APPLICATIONS

For spraying and pumping conventional mortar and premixed cements, fibre-reinforced cements, grouts, fireproof materials, self-levelling underlayments and waterproofing products.



✓ Vertical shaft mixer with reverse for mortars and grouts



✓ Integrated dual diaphragm compressor

✓ High capacity hopper with optional vibrating screen.

60 Hz
 ↓ **STEP-UP 120** 220V/60Hz
 6 HP Total, 1 Phase
 Model # 1106098

↓ **STEP-UP 120** 220V/60Hz
 with 2 speed - 11.5 HP, 3 Ph.
 Model # 1106055

✓ Loading height 46"

✓ Mixer with mixing capacity of 3.2 CF

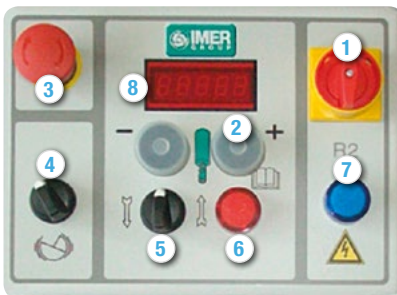
✓ Max. flow rate of 2.75 CY/h (3 phase)

✓ Max. pumpable aggregate size of 3/8" (3 phase). 50 mm (2") hose required

✓ Pumping distance up to 130' * Material hose Ø 35 mm (1-3/8")

CONTROL PANEL

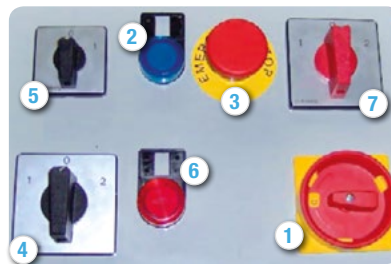
Single-phase version 220V/60Hz



- 1 On/Off switch
- 2 Rotor/stator speed control
- 3 Emergency stop button
- 4 Vibrating grate switch
- 5 Rotor/stator forward/reverse
- 6 Safety default light
- 7 Current supply light
- 8 Diagnostic display

CONTROL PANEL

Three-phase version 220/60Hz



- 1 On/Off switch
- 2 Current supply light
- 3 Emergency stop button
- 4 Rotor/stator forward/reverse
- 5 Vibrating grate switch
- 6 Safety default light
- 7 Speed control switch

Standard Equipment # 1106090 230V/60Hz, single phase

- ✓ Electric panel with inverter
- ✓ IM25L rotor and stator
- ✓ Spray gun for conventional/premixed mortar
- ✓ Vibrating grate
- ✓ 9 CFM compressor
- ✓ 66' single phase power cord
- ✓ 100' (3x33) of material hose Ø 35 mm (1-3/8") with cam couplings
- ✓ 100' of air hose Ø 13 mm (9/16") with quick couplings
- ✓ Accessory box for conventional mortar spraying

Standard Equipment Part # 1106091 230/60Hz, 3 phase

- ✓ Electric panel with low and high speed
- ✓ IM25L rotor and stator up to 3/8" aggregate
- ✓ Spray gun for conventional/premixed mortar
- ✓ Vibrating grate
- ✓ 11 CFM compressor
- ✓ 66' three phase power cord
- ✓ 100' (3x33) of mat. hose Ø 35 mm (1-3/8") with cam couplings
- ✓ 100' of air hose Ø 13 mm (9/16") with quick couplings
- ✓ Accessory box for conventional mortar spraying



COMPRESSOR



The dual diaphragm "V" stroke compressor provides ample air for spray applications – Continuous duty rated and maintenance free.

- ✓ When materials clump up, just hit reverse for a few seconds
- ✓ Oil-bath enclosed gearbox provides the high torque needed for mixing today's demanding materials



- ✓ Hopper drain plug for easy clean out of materials

MIX COMPLETELY AND QUICKLY



The planetary mixing action of the vertical shaft mixer reduces mixing time to 2 minutes. The 3 cubic feet of output discharge directly into the hopper.

- ✓ Torsion bar suspension for safe and smooth road towing
- ✓ Complete with tail light package for safe towing

		STEP-UP 120 1 Phase	STEP-UP 120 3 Phase
Power	-	220V, 60Hz, single phase	220V, 60Hz, three phase
Motor power rating	HP	3	7.5
Mixer power rating	HP	2	2
Electric compressor	-	1 HP / 9 CFM	2 HP / 11 CFM
Max aggregate size (IM 25L)	In.	5/16	3/8
Maximum flow rate	CY/h	2	1.35/2.75
Horizontal pumping distance (*)	Ft.	200	200
Vertical pumping distance (*)	Ft.	100	100
Hopper capacity	CF	4.25	4.25
Mixer capacity	CF	4.25	4.25
Dimensions W x L x H	In.	32/80/50	32/80/50
Weight	Lbs.	888	900

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



Silent 300 Prestige

premixed materials, mortars, stucco, grouts



SILENT 300 PRESTIGE

Diesel powered screw pump for pumping and spraying

APPLICATIONS

For mixing, pumping and spraying of mortars in bags or from silo: premixed materials, cement or gypsum based premixed materials, fireproofing, grouts, epoxies, self-leveling underlayments or repair mortars.

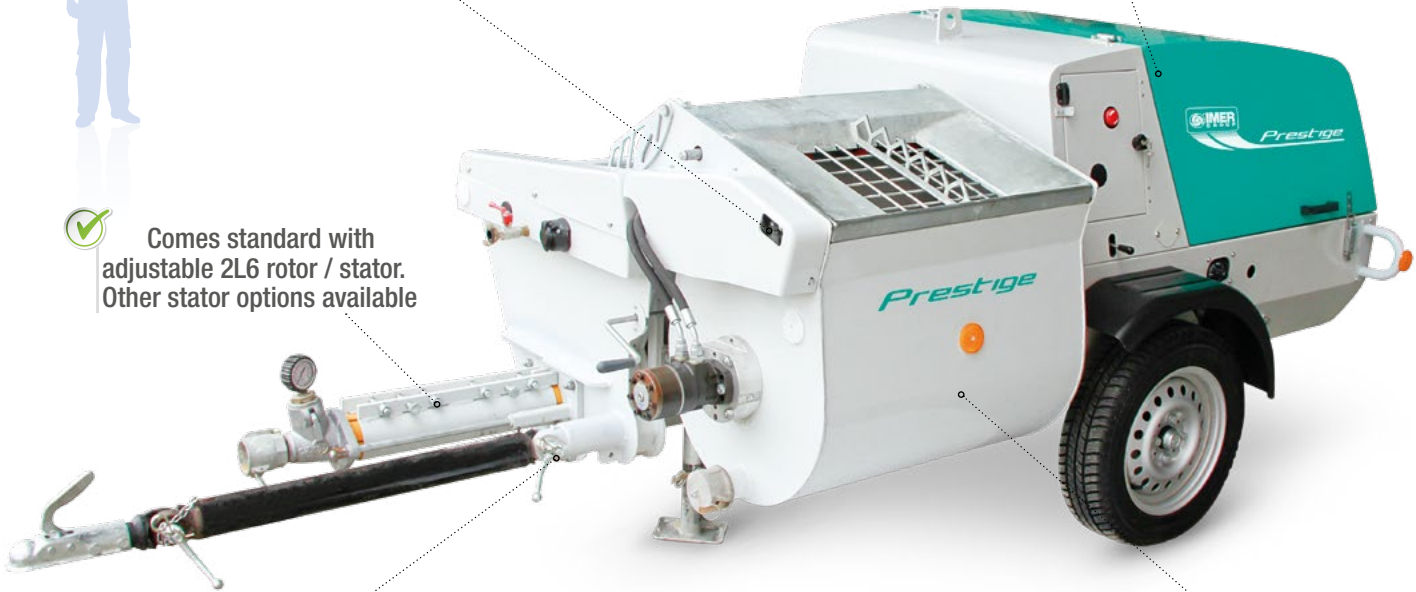
↓ **PRESTIGE Eco T Power**
20 HP Diesel
Model # 1106132



✓ Safety sensor system stops the mixing paddles if the grid is opened

✓ All the drive systems are hydraulic, very safe and very little maintenance

✓ Comes standard with adjustable 2L6 rotor / stator. Other stator options available



✓ Articulating towbar ensures that the pump is towed level and safe

✓ The high shear and high capacity mixer (6.3 CF) with hydraulic drive is powerful and reliable. Materials are ready to go in no time

Innovative System

ECO TPOWER

Adjusts engine RPMs according to power demands

✓ IMER's mixer paddles aggressively mix the material, this ensures a clump free mud in the shortest time possible



✓ High capacity hopper, run hard batch after batch, all day long

Standard Equipment

- ✓ Kohler Focs 1003/3 cyl. diesel engine
- ✓ 14 CF/m compressor
- ✓ 2L6 screw pump
- ✓ 3 x 33' material hose Ø 35 mm (1-3/8")
- ✓ 100' wired remote control
- ✓ 2 clean-out sponges
- ✓ 53' + 66' air hose Ø 13 mm (9/16")
- ✓ Programable mixer timer
- ✓ 6.3 CF Hydraulic dump mixer
- ✓ Hydraulic variable speed pump
- ✓ Hydraulic pressure washer
- ✓ Metal accessory box

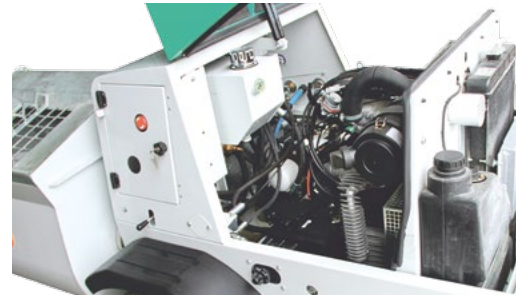


OPTIONAL ELECTRONIC WATER METER



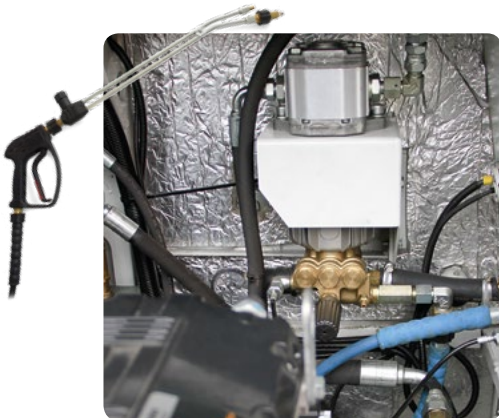
Part # 1107209
AQUA CONTROL electronic water meter for quick and easy addition of metered water into the mixer every batch.

DIESEL MOTOR



3-cylinder, liquid-cooled diesel engine that meets the latest EPA regulations. 2400 rpm operating speed for less wear and low fuel consumption.

STANDARD PRESSURE WASHER



Part # 1107208
2,000 PSI pressure washer cleans very effectively with minimal blow-back.

CONTROL PANEL



Anti-vibration control panel with electromechanical controls and standard hour meter

Recommended accessories for Traditional & premixed mortar

- ✓ 1107036 - Vibrating screen
- ✓ 1107149 - Pumping Unit IM25L (for course aggregate)
- ✓ 1107577 - Spray gun for traditional & premixed mortar
- ✓ 1107560 - 5-piece kit up to Ø 16 mm (5/8")

Recommended accessories for Self-levelling floor screeds and grouts

- ✓ 1107090 Pumping Unit 60.12 for self-levelling underlayments
- ✓ 1107149 Pumping Unit IM25L for 3/8" aggregates up to 35%
- ✓ 1107036 Vibrating grate for screening larger than 3/8"

Motor power rate ISO 3046/1-IFN	HP	20
Compressor flow rate	CF/m	14
Max pumpable aggregate size	In.	1/4 (2L6)
Variable flow rate	CY/h	0 - 4.5 (2L6)
Max pressure	PSI	580 (2L6)
Hopper capacity	CF	7
Mixer capacity	CF	6.3
Dimensions length/width/height (mixer tilted)	In.	131.5/53.5/53
Weight	Lbs.	1,653
Sound pressure level	dB (A)	< 78

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



Booster 15

Concrete and shotcrete



BOOSTER 15

2-cylinder piston pump with "S"- Valve technology

APPLICATIONS

For pumping concrete, shotcreting and high strength grouts



Booster 15
Model # 1106120



Soundproofed engine compartment



Wireless remote control precisely delivers material where you need it.



Compact dimensions, easy on-site transport and better handling



Pump with exclusive SOFT SPRITZ (optional) system used to inject additives for shotcrete applications even at low flow rates



Surge brakes give you extra stopping power while towing

CONTROL PANEL



Antivibration panel with electromechanical controls

Standard Equipment

- ✓ 4-cylinder liquid cooled Diesel engine, Kohler FOCS – 35 HP
- ✓ Concrete hopper with agitator
- ✓ Grid with 12V vibrator
- ✓ Hydraulic system with reversing
- ✓ Pumping unit with S-valve for automatic compensation of clearance and wear
- ✓ 4" Heavy Duty delivery manifold (Ø 4")
- ✓ Control panel with electromechanical controls
- ✓ Four-function remote control via cable
- ✓ Piston head installation and extraction tool kit
- ✓ Complete with heavy duty highway tow package
- ✓ Accessory box
- ✓ Auto-greasing system



✓ Electronic proximity sensors control the S-valve and piston action

✓ Auto-greasing system provides continuous lubrication to the vital components

✓ 2-cylinder piston pump (4"), hydraulically driven.

✓ Hopper is hinged for quick cleanup and easy maintenance



✓ 4" Heavy duty concrete pipe connection

✓ Articulated tow bar, transport wheel and locking brake can accommodate different tow hitch heights

✓ Long lasting removable rear light panel

✓ Torsion bar suspension for smooth towing in any condition

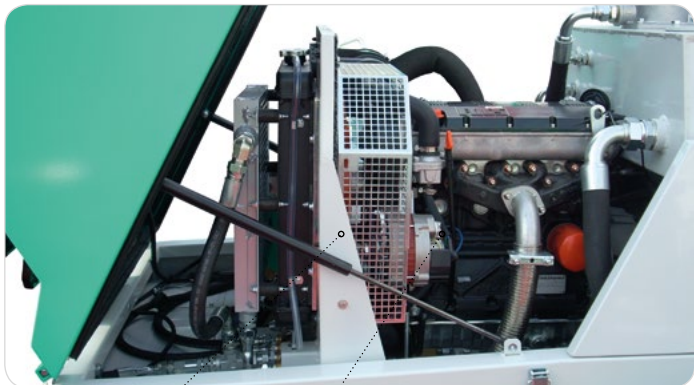
Diesel engine	-	Kohler FOCS 4 cil. Mod. 1404
Installed power rate	HP	35
Pumping system	-	Two-cylinder with hydraulic control
Max aggregate size	In.	1"
Flow rate (*)	CY/h	3-20
Pumping pressure (*)	PSI	1,000
Pipe outlet	-	Heavy Duty 4"
Hopper capacity	CF	7
Loading height	In.	42.5
Dimensions length/width/height	In.	156/57/60
Weight	Lbs.	3,100

*NOTE The max flow rate and the max pumping pressure cannot be performed at the same time.

BOOSTER 15

2-cylinder piston pump with "S"- Valve

DRIVE SYSTEM



- ✓ **COOL FAST** large-sized cooling system for use in extreme conditions
- ✓ Pump with exclusive SOFT SPRITZ injection system when shotcreting applications
- ✓ Engines that meet the latest EPA regulations. Well soundproofed engine compartment

HOPPER



- ✓ S-valve with self-sealing collar automatically compensates for S-valve wear and adjusts to keep the correct tolerance
- ✓ The two-way hopper feeding paddle keeps the concrete flowing

REMOTE CONTROL

- ✓ Four-function remote control via cable



- ✓ Part # 1107001
Five - function radio remote control unit with output and adjustment



- ✓ Tow with confidence with the smooth towing torsion bar suspension, adjustable tow bar, surge brake, full complement of tow lights and reflectors and easy roll and leveling jack stand.



Setups



Kit for Concrete Pumping Part # 1106123

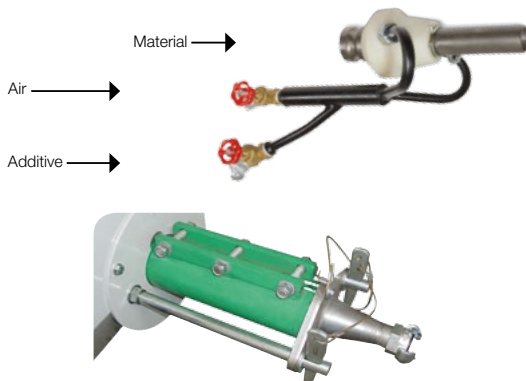
- 9 steel pipe dn 4" X 10' HD
- 1 Rubber hose dn 4" X 10' HD
- 1 Steel bend dn 4", 90° HD
- 1 steel bend dn 4", 45° HD
- 12 Heavy Duty coupling dn 4"
- 12 gasket for Heavy Duty coupling dn 4"
- 2 cleaning ball



Kit for Shotcreting Part # 1106124

- 2 rubber hose diam. 33' Victaulic 2" - Victaulic 2"
- 1 rubber hose diam. 33' Victaulic 2" - cam dn 50 mm
- 1 complete hopper grid 5/8" mesh
- 1 spritz beton gun dn 50 with fast Geka coupling 3/4" for air
- 1 reduction cone dn 4" - 50 mm (2") Heavy Duty l= 39"
- 1 hanging belt for hose
- 2 cleaning ball for hose diam. 2"
- 1 Heavy Duty coupling dn 4"
- 2 gasket for Heavy Duty coupling dn 4"
- 3 Victaulic coupling dn 2"
- 6 gasket for Victaulic coupling dn 2"
- 1 gasket for cam coupling dn 50

Recommended compressor 185 CFM



Kit for Fast Setting Additives Part # 1107172

- Pumping Unit (hydraulic motor and screw pump with 3/4" manifold)
- 20' hose for connection to additive tank
- Spray gun for shotcreting ID 50 complete with cam coupling, 3/4" Geka coupling and connector for additive
- Control panel with manual/automatic additive flow adjustment (proportional to concrete output)

ACCESSORIES & SPARE PARTS

for pumps and mixers

- ✓ Kits
- ✓ Rotors and stators
- ✓ Mixer paddles
- ✓ Spray guns/wands
- ✓ Spray gun components
- ✓ Hoses



Compressor for spraying mortar, stucco, etc.



**The most reliable
in its class**

60 Hz

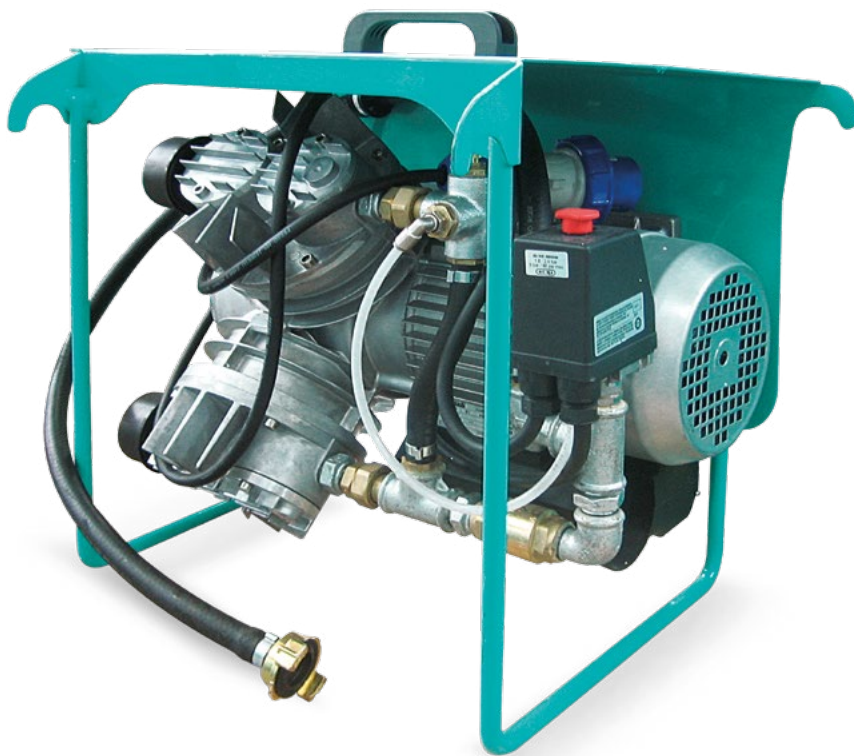
↓ **Compressor IM250**
115V/60Hz 1 HP Sph
Model # 1107546

MAXIMUM MOTOR PERFORMANCE



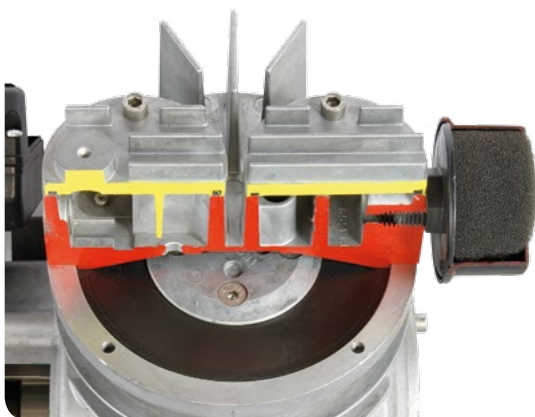
Separate cooling of the electric motor and compressor allows for continuous duty and a long life.

Power supply	1 HP
Flow rate	9 CF/m
Maximum pressure	60 PSI
Heavy Duty service	110 V



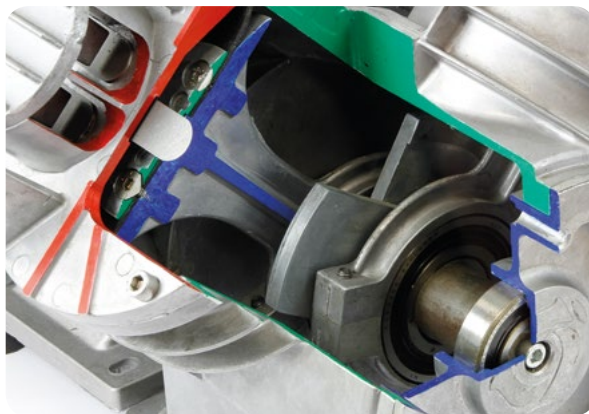
**100%
IMER
production**

REPLACEMENT OF THE AIR FILTER








Air filter replacement is quick and easy.

ONE PIECE CRANKSHAFT













One piece compressor motor crankshaft produces maximum mechanical performance effortlessly.

ACCESSORIES & SPARE PARTS

Part number	Applications Kit	Accessories	Small 50	Koine 4	Koine 35	Step 120	Prestige
1107005		Fireproofing, mortar and cementitious stucco gun kit <ul style="list-style-type: none"> • Spray gun • Deflector Ø 12 mm (1/2") for traditional mortar • Deflector Ø 10 mm (3/8") - 14 mm (9/16") for premixed mortars • 50' of hose Ø 25 mm (1") for material with cam couplings • 53' of air hose Ø 13 mm (9/16") with Geka couplings • No. 1 Spray gun cleaner • No. 1 sponge Ø 30 mm (1-1/4") 	●				
1107006		Injection kit <ul style="list-style-type: none"> • Pressure meter unit and pressure gauge • Brass fitting M. 1" F. 3/4" • Small 50 spray gun with 1 deflector with hose connector Ø 16 mm (5/8") • 33' of hose Ø 25 mm (1") for material with cam couplings • 16' of hose Ø 25 mm (1") for material with cam couplings • Spray gun cleaner and sponge Ø 30 mm (1-1/4") 	●				
1107009		Painting kit <ul style="list-style-type: none"> • Spray gun + deflectors Ø 5 - Ø 6 mm (1/4") • 33' of hose Ø 19 mm (3/4") mm for material with cam couplings • 52' of air hose Ø 13 mm (9/16") with Geka couplings • Spray gun cleaner and sponge Ø 25 mm (1") • Hose reduction device 	●				
1107010		Stucco and waterproofing gun kit <ul style="list-style-type: none"> • Spray gun • Deflectors Ø5 (3/16") - Ø6 (1/4") - Ø8 (3/8") - Ø12 mm (1/2") • Deflector with hose connector Ø 16 mm (5/8") • 33' + 16' of hose Ø 25 mm (1") for material with cam couplings • 53' of air hose Ø 13 mm (9/16") with Geka couplings • Spray gun cleaner and sponge Ø 30 mm (1-1/4") 	●				
1107091		Self-Leveling and grout kit <ul style="list-style-type: none"> • No. 1 remote control (wire length 53') • No. 1 rotor D8-1.5 ECO (rif.1107031) • No. 1 Stator D8- 1.5 (rif.1107028) • No. 1 electric device for remote control plugging • No. 1 self levelling mixer 		●			







ACCESSORIES & SPARE PARTS

Part number	Stators and rotors	Accessory	Small 50	Koine 4	Koine 35	Step 120	Prestige
1107030		Stator D 8-1.5 ECO • Color: green • Max. aggregate size 3/16" • Flow rate CF/h** 76 at 400 RPM • Working pressure 220 PSI	●	●	●		
1107031		Rotor D 8-1.5 ECO – GREEN	●	●	●		
1107084		Stator ECO STAR • Color: violet • Max. aggregate size 3/32" • Flow rate CF/h** 40 at 400 RPM • Working pressure 290 PSI	●	●	●		
1107085		Rotor ECO STAR – VIOLET	●	●	●		
1107032		Stator for fine materials • Color: yellow	●				
1107033		Rotor for fine materials - YELLOW	●				
N/A		Stator R 7 • Color: Tan • Max. aggregate size 3/16" • Flow rate CF/h** 127 at 400 RPM		●			
N/A		Rotor R 7 with turbo drive tab - tan		●			
N/A		Stator R 8 • Color: black • Max. aggregate size 3/16" • Flow rate CF/h** 169 at 400 RPM		●			
N/A		Rotor R 8 with turbo drive tab - black		●			

Applications Kit / Stators and Rotors












NOTE Performances can change depending on the material and the machines model used. **Flow rate referred to 400 rev / min of the motor

ACCESSORIES & SPARE PARTS

Part number	Stators and rotors	Accessory	Small 50	Koine 4	Koine 35	Step 120	Prestige
1107077		Stator 2L6 <ul style="list-style-type: none"> • Color: yellow • Max. aggregate size 1/4" • Working pressure 435 PSI 				●	●
1107078		Rotor 2L6				●	●
1107110		Stator IM25L for mortar and grout <ul style="list-style-type: none"> • Color: blue • Flow rate l/min • Max. aggregate size 3/8" • Working pressure 220 PSI 				●	●
1107111		Rotor IM25L				●	●
1107081		Stator 60.12 for self-leveling and high flow grouts <ul style="list-style-type: none"> • Color: yellow • Flow rate 12 CY/h • Max. aggregate size 3/8" • Working pressure 220 PSI 				●	●
1107083		Rotor 60.12				●	●







NOTE Performances can change depending on the material and the machines model used. **Flow rate referred to 400 rev / min of the motor

ACCESSORIES & SPARE PARTS

Part number	Mixers	Accessory	Small 50	Koine 4	Koine 35	Step 120	Prestige
1107542		Standard mixer paddle		●	●		
1107100		Standard mixer paddle		●	●		
1107541		Mixer paddle for light materials		●	●		
1107590		Mixer paddle for light materials		●	●		
1107517		Turbo mixer for increasing shear		●	●		
1107597		Mixer paddle for self-levelling mortars		●	●		
3223347		Scraping rod for mixing chamber		●	●		
3224916		Scraping rod for mixing chamber		●	●		
3223349		Cleaning scraper for mixing chamber		●	●		
3223352		Motor gearbox coupling		●	●		
3223354		Rotor adjustment tool		●	●		













Mixers / Spray Guns

ACCESSORIES & SPARE PARTS













Part number	Spray guns	Accessory	Small 50	Koine 4	Koine 35	Step 120	Prestige
1107011		Stucco and waterproofing guns	●		●		
1107540		Fireproofing and mortar gun kit	●	●	●	●	●
1107549		5' overhead wand for fireproofing	●	●	●	●	●
1107568		Spray gun Ø 25 mm (1" F)	●	●	●	●	●
1107577		Spray gun for mortar and fireproofing Ø 35 mm (1-3/8")		●		●	●
1107504		Tuck-pointing gun kit. Use with vibrating hopper	●				

NOTE Items in red indicate that a 25mm hose or reducer to 25mm will be needed to use








ACCESSORIES & SPARE PARTS

Part number	Components for spray guns	Accessory	1107540	1107011	1107549	1107568	1107577
							
1107551		10-piece kit: Deflector Ø 10 mm (3/8") (Duse) for premixed plaster	●		●	●	●
1107552		10-piece kit: Deflector Ø 12 mm (1/2") (Duse) for premixed plaster	●		●	●	●
1107553		10-piece kit: Deflector Ø 14 mm (9/16") (Duse) for premixed plaster	●		●	●	●
1107554		10-piece kit: Deflector Ø 16 mm (5/8") (Duse) for premixed plaster	●		●	●	●
1107557		5-piece kit: Deflector Ø 10 mm (3/8"), of polyurethane (IMER)-traditional plaster	●				●
1107558		5-piece kit: Deflector Ø 12 mm (1/2"), of polyurethane (IMER)-traditional plaster	●				●
1107559		5-piece kit: Deflector Ø 14 mm (9/16"), of polyurethane (IMER)-traditional plaster	●				●
1107560		5-piece kit: Deflector Ø 16 mm (5/8"), of polyurethane (IMER)-traditional plaster	●				●
1107561		3-piece kit: Deflector Ø 5 mm (3/16") hardened steel for painting, smoothing and spacing		●			
1107562		3-piece kit: Deflector Ø 6 mm (1/4") hardened steel for painting, smoothing and spacing		●			
1107563		3-piece kit: Deflector Ø 8 mm (3/8") hardened steel for smoothing		●			
1107564		3-piece kit: Deflector Ø 12 mm (1/2") hardened steel for spacing with the help of compressor		●			
1107604		Kit deflectors Ø 5 (3/16") -6 (1/4") -8 (5/16") -12 (1/2") -16 mm (5/8") hardened stainless steel		●			
1107566		3-piece kit with hose connector Ø 16 mm (5/8")		●			
3209356		Eyebolt for spray gun	●		●	●	●
3223345		Head for spray gun	●		●	●	










ACCESSORIES & SPARE PARTS

Part number	Components for spray guns	Accessory	1107540	1107011	1107549	1107568	1107577
							
3223348		Plastic pipe for spray gun	●			●	
3224361		Camlock coupling for spray gun Step 120					●
3226721		Head for spray gun Step 120					●
3224701		Camlock coupling for spray gun	●	●	●	●	
3224830		Gasket for Camlock coupling	●	●	●	●	
3225598		Air pipe with valve for spray gun	●				●
3223694		Cleanout file for stator/rotor and spray gun	●	●	●	●	●

ACCESSORIES & SPARE PARTS

Part number	Hoses	Accessory	Part number	Hoses	Accessory
1107529		33' of hose Ø 19 mm (3/4") mm for material with cam couplings	3224706		Cam couplings Ø 19 mm (3/4") F
1107525		50' of hose Ø 25 mm (1") for material with cam couplings	3224701		Cam couplings Ø 25 mm (1") F
1107526		33' of hose Ø 25 mm (1") for material with cam couplings	3224492		Cam couplings Ø 50 (2") F
1107527		16' of hose Ø 25 for material with cam couplings	3224869		Gasket for Camlock coupling Ø 19 mm (3/4")
1107528		33' of hose Ø 35 mm (1-3/8") for material with cam couplings	3224830		Gasket for Camlock coupling Ø 25 mm (1")
1107533		33' rubber hose Ø 50 (2") with cam couplings	3224831		Gasket for Camlock coupling Ø 35
1107534		66' rubber hose Ø 50 (2") with cam couplings	3224499		Gasket for Camlock coupling Ø 50 (2")
1107579		66' material hose with cam couplings for Silent 300cl	3225891		Gasket for Camlock coupling Ø 65 (2-1/2")
1107074		16' of material hose Ø 25 mm (1") M35/M25 with cam couplings	3224498		Camlock lever Ø 19 mm (3/4")
1107075		66' of material hose Ø 35 (1-3/8") M50/F35 with cam couplings	3224498		Camlock lever Ø 25-35-50
1107203		Material Hose Ø 50 (2") F - Ø 35 mm (1-3/8") Lenght 33'	3225929		Repairing Camlock coupling for hose Ø 19 mm (3/4") M
1107578		33' of material hose Ø 60 mm (2-3/8") with cam couplings	3225933		Repairing Camlock coupling for hose Ø 25 mm (1") M
1107530		16' of air hose Ø 13 mm (9/16") with Geka couplings	3225935		Repairing Camlock coupling for hose Ø 35 mm (1-3/8")
1107531		33' of air hose Ø 13 mm (9/16") with Geka couplings	3225937		Repairing Camlock coupling for hose Ø 50 (2") M
1107532		52' of air hose Ø 13 mm (9/16") with Geka couplings	3225940		Repairing Camlock coupling for hose Ø 50 (2") M for Ø 35 hose
3228464		Water hose 98'			

ACCESSORIES & SPARE PARTS

Part number	Hoses	Accessory	Part number	Hoses	Accessory
3225930		Repairing Camlock coupling for hose Ø 19 mm (3/4") F	1107519		10-piece kit: sponge for cleaning hose Ø 25 mm (1")
3225934		Repairing Camlock coupling for hose Ø 25 mm (1") F	1107520		10-piece kit: sponge for cleaning hose Ø 35 mm (1-3/8") mm
3225936		Repairing Camlock coupling for hose Ø 35 mm (1-3/8") F	1107521		10-piece kit: sponge for cleaning hose Ø 50 (2") mm
3230909		Repairing Camlock coupling for hose Ø 50 (2") F for Ø 35 mm (1-3/8") hose	1107522		10-piece kit: sponge for cleaning hose Ø 60 mm (2-3/8")
3225938		Repairing Camlock coupling for hose Ø 50 (2") F	3223728		Geka coupling with hose connector Ø 18 mm (11/16")
3225941		Clamp for material hose Ø 28-35	3223615		Geka coupling with hose connector Ø 13 mm (9/16")
3225942		Clamp for material hose Ø 32-40	3224818		Geka coupling with hose connector Ø 10 mm (3/8")
3225943		Clamp for material hose Ø 39-48	3223428	Geka coupling with female thread 1"	
3225944		Clamp for material hose Ø 60-76	3224382	Geka coupling with female thread 1/2"	
1107565		Camlock fitting kit Ø 35 mm (1-3/8") F-Ø 25 mm (1") M	3223636		Geka coupling with female thread 3/4"
1106178		Camlock fitting kit Ø 50mm (2") M-Ø 35mm (1-3/8") F	3230172		Geka coupling with female thread 3/8"
1107087		Cleaning kit for hose material Ø 35 mm (1-3/8")	3223722		Geka coupling with male thread 1"
1107103		Cleaning kit for hose material Ø 25 mm (1")	3224203		Geka coupling with male thread 1/2"
1107104		Cleaning kit for hose material Ø 50 (2")	3223614		Geka coupling with male thread 3/4"
1107105		Cleaning kit for hose material Ø 65 (2-1/2")	3223404	Geka coupling with male thread 3/8"	
				3223697	






ACCESSORIES & SPARE PARTS

Part number	Plaster sprayers Accessories	Accessory	Small 50	Koine 4	Koine 35	Step 120	Prestige
1107016		Vibrating hopper	●				
1107510		Vibrating grate	●				
1107512		Pressure gauge	●				
1107515		Injection pressure regulator	●				
1107543		Dual diaphragm compressor	●				
1107544		50' remote control extension	●			● 220V	
1107545		53' remote control	●			● 220V	
1107569		Grate for premixed materials				●	
1107574		120' remote control		●		●	
1107570		Pipe hook Ø 25 mm (1")	●	●	●		

ACCESSORIES & SPARE PARTS

Part number	Plaster sprayers Accessories	Accessory	Small 50	Koine 4	Koine 35	Step 120	Prestige
1107491		Vacuum kit for Koine series pumps. Vacuum not included.		●	●		
3224493		220V power cord, 66'			●	●	
1107001		Five-function radio remote control unit					●
1107036		Vibrating grate					●
1107086		Wired remote control (with 164' cable)					●
1107088		Stator/rotor kit 2L6				●	●
1107149		Stator/rotor kit IM25L				●	●
1107090		Stator/rotor kit 60.12				●	●
1107161		Pintle towing ring towing kit 2-3/4" x 1" mm				●	●

ACCESSORIES & SPARE PARTS

Part number	Plaster sprayers Accessories	Accessory	Small 50	Koine 4	Koine 35	Step 120	Prestige
1107207		Mechanical water meter system					●
1107208		Hydraulic power washer					●
1107209		AQUA CONTROL electronic water meter system					●
3225836		Pump pressure adjustment kit				●	●
3225846		Small 50 hopper cap (washing sponge Ø 40 [2-3/8"])	●				

CONCRETE Accessories

Part number

Accessory

1107170



Kit automatic lubricating system

1107171



Kit high pressure water jet cleaner

1107001



Five-function radio remote control unit with output adjustment

1107196



Hopper extension kit 380 l (rubber)

1107197



Hopper extension kit 500 l (steel)

Accessories for DN100 (4")

1107183



Cleaning ball for hose Ø 100 (4")

Accessories for DN 50 (2") - shotcreting

1107192



Spritz beton gun ID50 with fast Geka coupling 3/4" for air and fast setting additive

1107187



Reduction cone. ID 100(4")-ID 50(2") Victaulic L=1000

1107188



Rubber hose Ø 50 (2") L.10 mt Victaulic 2" - Victaulic 2"

1107189



Rubber hose Ø 50 (2") mm l. 10 mt Victaulic 2" - cam ID 50

1107181



Victaulic coupling ID 2"

1107182



Kit no. 5 Gaskets for Victaulic coupling ID 2"

Machine Application Chart

	Conventional Mortar (non-premixed)	Ready-Mixed (Premixed) Mortars	Self-Levelling Underlayments	Traditional Floor Screed (dry-pack)	Shotcrete	Concrete and Micro-Concrete	Fireproofing
Koine 35	✗	✓	✓	✗	✗	✗	✓
Koine 4	✗	✓	✓	✗	✗	✗	✓
Small 50	✓	✓	✓	✗	✗	✗	✓
Step-up 120 3 phase	✓	✓	✓	✗	✓	✓	✓
Step-up 120 Single phase	✓	✓	✓	✗	✗	✗	✓
Prestige	✓	✓	✓	✗	✓	✓	✓
Mortarman 120+	✓	✓	✓	✓	✓	✓	✓
Booster 15	✗	✗	✓	✗	✓	✓	✗
Step 120a	✗	✗	✓	✗	✓	✓	✗

- ✓ Ideal
- ✓ Possible
- ✗ Not recommended



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