



imergroup.com

SPRAYING AND PUMPING SYSTEMS



Feeding from bags



Feeding from silo



Manual feeding of loose aggregates



Feeding from large mixers



Direct mixing pump



Indirect mixing plastering pump



Compressed air conveyor



Planetary vertical axis mixer



Continuous horizontal axis mixer



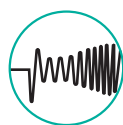
Spraying pump



Cast with open hose



Airless pump



Exclusive IMER variable speed inverter



Single-phase



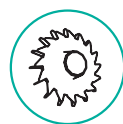
Three-phase



Petrol engine



Diesel engine



Forced feed hopper with feeding wheel



Electropump



IMERVIEW remote control system



Advanced dust control system

Electric Motors available

50 Hz

115V/50Hz Sph

230V/50Hz Sph

400V/50Hz Tph

60 Hz

115V/60Hz Sph

230V/60Hz Sph

230V/60Hz Tph

400V/60Hz Tph

50/60 Hz

115V 50/60Hz Sph

230V 50/60Hz Sph

Table of Contents

IMER GROUP STRUCTURE	2
OUR VALUES	4
IMER INNOVATION	6
KOINE 4	10
KOINE 4 Hi-Flow	14
KOINE 35	18
KOINE 3	22
STORM PLUS	26
SPEEDY	29
SMALL 50 EVO	30
S 50 Airless	38
STEP 120 single-phase	46
STEP 120 three-phase	52
STEP 120 A three-phase	54
PRESTIGE ECO T Power	64
MOVER 270d EVO	70
MOVER 190e 270e	72
MOVER WT	76
BOOSTER 15	78
SPIN 15 A	84
SPIN 30 Plus	86
MIX-ALL MIX 60 Plus	88
MIX 80	90
MIX 120 Plus	92
MIX 360 R	94
MIX 750	96
PRO-TEK LINE Compatible Accessories	98
SPARE PARTS	104
USEFUL ADDRESSES - BRANCH OFFICES	108
IMER ONLINE	109

RECOMMENDED MATERIALS

The materials for the listed categories must meet the compatibility requirements necessary to be pumped and / or sprayed with the machines.

The performance of the machines in this catalog are subject to variations based on the characteristics of the materials used and the type of setup of the machine (diameter and length of the hose, type of stator / rotor installed, etc.).

Data, descriptions and illustrations shown in the catalog have no binding value for IMER International SpA, which reserves the right to make changes to the production without prior notice.

IMER GROUP STRUCTURE

The Group

IMER Group is an Italian company founded in 1962, European leading manufacturer of construction machinery and equipment. For over 50 years our mission is to provide the building site professionals with the highest quality products, reducing physical effort and achieving higher performances.

The IMER products cover all the building site's needs: from production, laying and transport of mortar and concrete to the handling of loads, from the cutting of materials and surfaces to soil compaction, from lifting of people to earthmoving.

With **over 650 employees**, today the Group has **5 production plants** and **5 foreign sales branches**.

The Product Divisions

IMER Group is organized in **4 Product Divisions**: IMER EQUIPMENT (machines and equipment for construction sites), IMER ACCESS (aerial platforms), IMER CONCRETE (batching plants and truck mixers), KATO IMER (earthmoving machines).



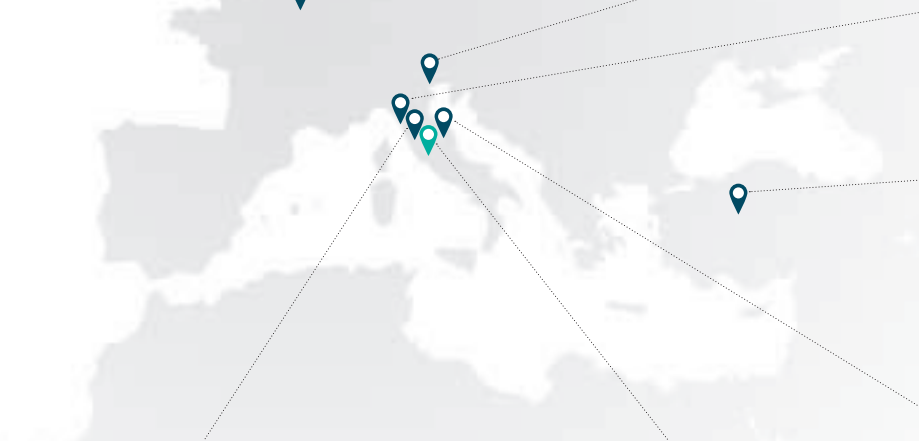
IMER France - WORMS Entreprises
Power Generators
Paris, France



IMER Concrete
Batching Plant Solutions
Basaldella di Campoformido (Udine), Italy



KATO IMER
Earthmoving Machinery
San Gimignano (Siena), Italy



IMER - L&T
Truck Mixers
Aksaray, Turkey



IMER Access
Aerial Platforms
Pegognaga (Mantua), Italy



IMER Group Headquarters
Poggibonsi (Siena), Italy



IMER Equipment
Machinery for Building
Rapolano Terme (Siena), Italy



Rapolano Terme (Siena)



69,000 sq.m. of surface,
16,000 sq.m. indoors

IMER Equipment is the **Building Equipment Division** of IMER Group, which manufactures machines and equipment for construction sites.

Within the **Construction Machinery** category, there are seven lines, each for specific professionals in the sector.

Concrete Mixers, Mortar Mixers (compact and continuous mixers), Hoists (scaffold and gantry hoists, scaffold winches, hoisting accessories), Saws (tile, masonry and slab saws), Floor saws, Compactors (vibrating tampers and vibratory plate compactors), Generators. Various models to cover the range of construction sites throughout the world.

The Equipment Division also specializes in mixing and spraying mortar and premixed materials, and machines for conveying traditional and self-levelling floor screeds.

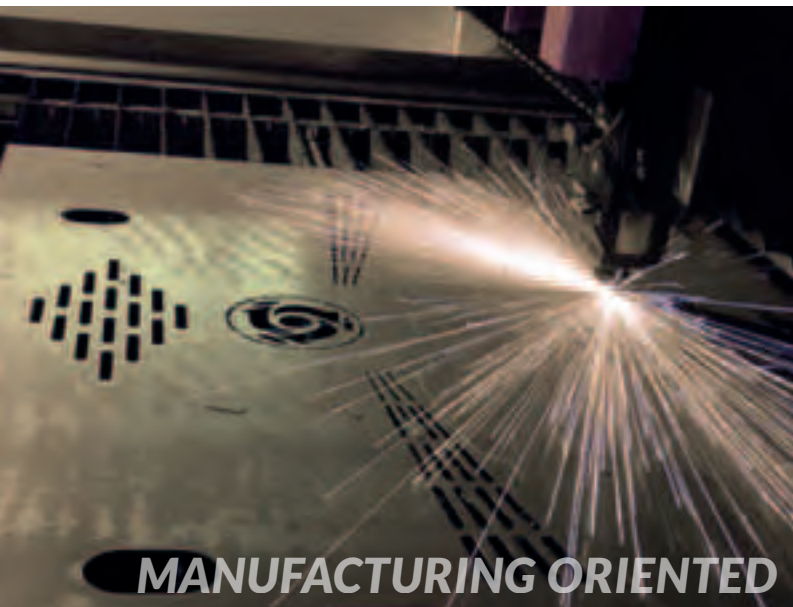
It is our **Spraying and Pumping Systems** line.

To complete the range, there is a wide choice of accessories (stators and rotors, spray guns, hoses kits, compressors).

We aim to meet all construction site needs.



OUR VALUES



Our path: from raw materials to the finished product

Within IMER Group, we give absolute importance to investing in production processes.

We have always been and continue to be a company that produces.

The goal of our industrial philosophy is vertical process integration, updated machinery and flow improvements through the adoption of "lean" methods.

Sheet metal transformation, mechanical machining, welding, painting, assembly and testing are all operations that we tend to carry out internally.

A new product each year

Always think ahead, foresee future construction site needs, offer the market winning intuitions.

Striving for innovation and the desire to go beyond past achievements have always featured in the history of IMER Group.

Thanks to the current ongoing innovation in our machines, we try to make working on construction sites safer and more efficient.

Each of our plants has a team of specialized designers.

IMER Group has filed numerous patents all over the world.



SAFETY



Safety, from the factory to the construction site

We have always been especially aware of personnel safety in the company, as well as the safety of operators using our machines.

Safety begins in our factories and continues at the construction site.

We constantly optimize working conditions, using equipment and technical solutions to continuously improve ergonomics in the working environment.

Safety is fundamental for us, both during production, as well as while using the product. Perfecting our products in view of protecting user health is a starting point for continually seeking innovative solutions.



Specialists in everything we do

Our approach to production is extremely focused. Without a strongly specialized range, we would not be able to continually meet our customers' needs and demands.

From batching to cutting, from concrete transport to plaster spraying, from lifting people to earthmoving.

Many different product lines united under the IMER Group brand.

We want to be specialists in each of our product lines.

For each specific building sector covered by our business, we dedicate resources with highly specialized skills and professional backgrounds.

Recognizable anywhere

When an IMER machine is at work on a construction site, it is practically impossible not to notice it. Our characteristic IMER green and our globally recognized trademark, which is registered in more than 70 markets, are the distinctive features that make us recognizable anywhere.

Where there is a construction site, there is IMER.

Whether the construction site is large or small, for a new building or for renovation, private or public, IMER products are applied wherever there is a need to build.

We are also visible from a technological point of view, through a strong online presence.



We know the work, we live construction sites, we listen to our customers

The place where our machines are used is always at the heart of our work. It starts with a design focused on the construction site and continues with on-site technical support.

We live the world's construction sites.

We follow building techniques and materials as they evolve and share the end user's needs and problems.

IMER Group customer care continuously provides information on product use and service activities to meet work schedules and safeguard the efficiency of construction site activities.



ONE SOFTWARE, INFINITE SOLUTIONS.

IMER Group developed IMERVIEW with the aim of making it possible to control various aspects of the machines remotely, with a view to provide a leading service that is close to the customer. IMERVIEW is a kit which can be combined with the machines of the ACCESS, EQUIPMENT and CONCRETE Divisions.

Features and Benefits of the System

Simultaneous remote control of the machines and fleet management



Machine parameters setting



Interaction with IOM devices and systems



Scheduled maintenance



Real-time display of machine parameters



Machine problems' diagnosis by the operator



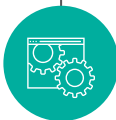
Reports for accounting information



Interaction with customer system management



Machine parameters check



Machine geolocation and tracking



Geo fencing Delimitation of machine working area



Watch the video on our YouTube channel



Download the brochure from our website



NO MORE DUST ON THE SITE!

I-Dust grates by IMER provide a considerable reduction in the diffusion of dust while bagged material is poured onto the drum and during the mixing phase. The I-Dust grate must be connected to a vacuum cleaner. Ideal for indoor work!



Available for series:

- Spin
- Mix
- Koine

I-Dust grate significantly limits the dispersion of dust in the surrounding environment!



Minimum requirements of the recommended vacuum cleaner for connection with I-Dust grate:

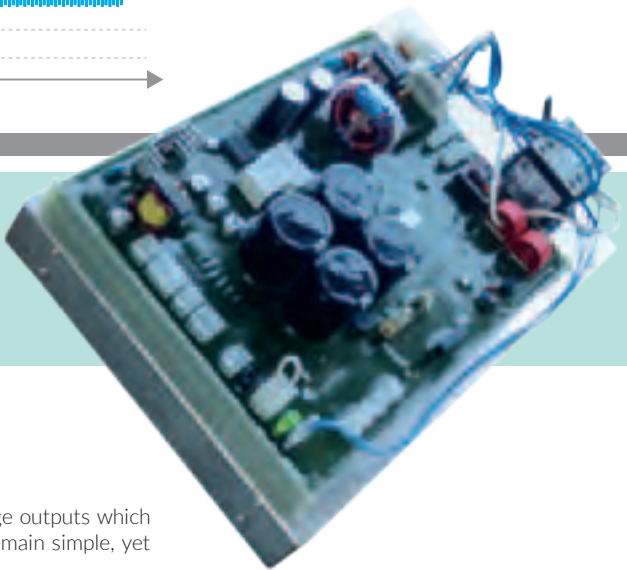
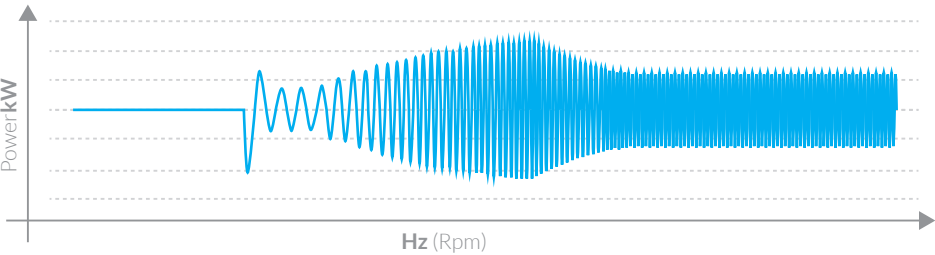
- 1400 W
- Cyclone filter

ADVANCED TECHNOLOGY FOR THE CONSTRUCTION SITE

An old quote states **"Power is nothing without control"**. This is perfectly consistent with modern IMER R2 inverters and the A1 extension.

IMER inverters are designed to intelligently manage the power available from the power supply, transforming it into pure mechanical energy throughout the start-up and course of operation. Various multi-level protections, and the diagnostic system, protect the electrical parts from any serious electrical event and from human error. The indispensable luminous display indicates any type of anomaly and suggests the appropriate, immediate solution.

IMER has designed, exclusively for its machines, a special protective and passively cooled resin shell to guarantee operation, even in wet and dusty environments.



Operation

Manage up to two electric motors simultaneously with direct power and low voltage outputs which do not involve the use of interface switches. This allows the electrical system to remain simple, yet remarkably reliable.

It controls and manages in real time all the operating parameters of the electric motors and the status of the safety sensors.

This exclusive protection keeps the power supply from the main system under constant control, protecting the electronics from any high voltage peaks. This makes the IMER R2 and A1 inverters usable even with generators not equipped with AVR stabilizers.

In the event of anomalies during use, the inverter evaluates the intervention mode which can be:

- Immediate, in case of alarm of safety devices (eg hopper grate, emergency button, etc.)
- Delayed, in case of a temporary overload of the system

Any event that causes the machine to stop is indicated on the display with alphanumeric characters. In this way the operator can easily identify the cause of the reported problem and correct the anomaly of use.

H2O = Insufficient water pressure

BLOCC = Stator/rotor group blocked

STOP = Air nozzle clogged (stand-by)

ERR08 = Supply voltage insufficient

ERR07 = Feeding wheel caked

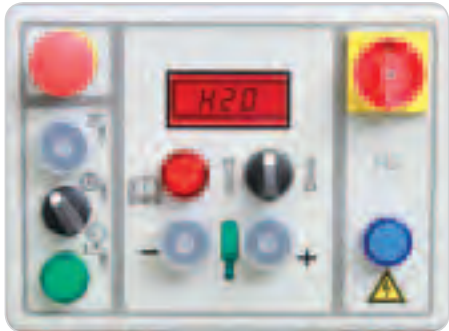
ERR03 = Insufficient water in the mixture

ERR02 = Excessive motor temperature

..... =

230V single-phase inverter features

		R2	A1
Automatic torque boost with "Real Time" current control	V/F VSI	Yes	Yes
Continuous power	W	3200	3200
Normal / heavy load	A	15 / 30	15 / 30
Power range	W	90 - 265	90 - 265
	Hz	50/60	50/60
Output frequency	Hz	0 - 125	0 - 125
24V "Flat Back" Clipping Power Supply		Yes	Yes
Logic inputs		12	14
Digital outputs		5	5
Degree of protection	IP	54	54



THE MOST RELIABLE COMPRESSOR IN ITS CATEGORY

The configuration and compression angle allow this high performance compressor to contain the absorption in the starting and operating phases. This feature allows for equal performance between the single-phase and three-phase models and make the IM250 compressor unique in its category.

Its operation is oil-free and maintenance is reduced only to the replacement of the suction filters. The particular design allows to optimize the air intake flow and improves cooling, thus increasing the useful life of the membranes.



IM250 compressor features

Technology	Double membrane, 90° angle “L” configuration (limited inrush currents)		
Compression timing	180° angle		
Head and body	Aluminum die casting		
Membranes	EDPM material		
Type of suction valves	Stainless steel reed valves		
Type of delivery valves	Double valves with controlled opening (wet environments)		
Filters	Double sponge filter with plastic casing		
Cooling	Ventilated air with large surface heatsinks in the heads		

		Sph	Tph
Power	W	750	750
Maximum absorbed current	A	4	2.2
Operational service		S1	S1
Protection boxes	IP	55	55
Membrane size	mm	127	127
Intake air	l/min	250	250
Max. pressure	bar	4.5	4.5
Permissible ambient temperatures	C°	-10+40	-10+40

“L” configuration



Cooling system



Special long-lasting membranes



KOINE 4

Continuous cycle spraying and mixing pump

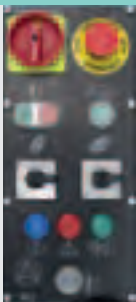
50 Hz

Koine 4 400V/50Hz Tph - 7.45 kW
1106005

60 Hz

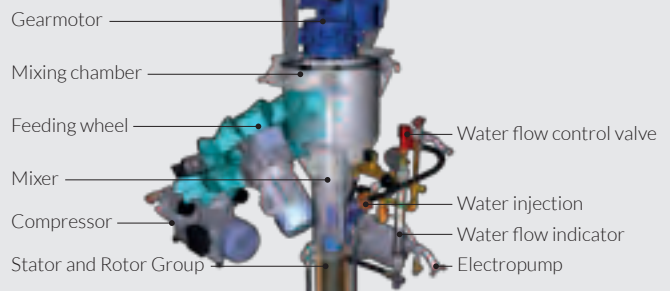
Koine 4 230V/60Hz Tph - 7.45 kW
1106003

Koine 4 400V/60Hz Tph - 7.45 kW
1106112



A simple control panel and electrical system, designed to reduce the number of components and parts most subject to wear, significantly increasing reliability and longevity.

Equipped with a manual phase inverter with light signals to identify the correct phase, overload alarm, optimal water pressure and stand-by control status (air closed).



Description

Continuous cycle mixing pump, suitable for pumping or spraying dry premixed materials:

- Cement / lime / gypsum plaster based
- Structural reinforcement mortars
- Structural plasters
- Restorative plasters
- Stucco
- Binders / mortars for injections
- Grout / Core-Fill Grout
- Glues for thermal insulation coatings
- Thermal insulating screeds based on cork or polystyrene
- Insulating plasters based on polystyrene or cork
- Fireproofing mortar
- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds

Bagged dry materials are poured into the dry hopper of the machine directly, or the machine can be loaded automatically from a silo even at considerable distances (over 100 m) using the Storm Plus conveyor system and a special blower hood complete of air / dust separator filter to be placed in the hopper of the machine.

Operation

The bagged material, or product coming from the silo, is poured into the hopper, where a feeding wheel fills the mixing chamber continuously and constantly. The water necessary to obtain the mixture is injected into the mixing chamber by a stainless steel pump. The water flow is kept constant through a technical stabilization system and controlled by a valve that starts or stops the flow if necessary.

The amount of water in the mixture can be viewed in the flow meter and can be adjusted according to the needs through a micrometric valve. The material is mixed with water and immediately sucked by the eccentric screw pump and pushed into the pipe until it reaches the end of the spray gun. From here, with the help of the air supplied by the standard integrated compressor, it is sprayed on the application area, from a distance of about 20 cm. The material flow can be started or stopped directly from the spray gun by opening or closing the air valve.

Washing is simple, very fast and without water spilling in the work area. The only area that needs to be cleaned is the one where the mixture takes place. The unused dry material can remain in the hopper and be removed if necessary by opening the appropriate discharge plug at the bottom of the hopper.

The Koine 4 is equipped with safety devices and devices for protecting electric motors from overloads with light signals:

- Correct line / phase presence
- Overload alarm (magnetothermic intervention)
- Presence of optimal water pressure
- Stand-by control status (air closed)
- Self-resetting thermal protector intervention in the mixing motor

In addition to the electromechanical part, the electrical panel contains a compressed air system inside, with a service pressure gauge useful for any checks.



Easily removable feeding wheel.



Practical toolbox.



Impact resistant square tubular frame.



Cast iron material delivery flange with pressure gauge. Direct connection for Ø35 F pipe. It allows to extend the pipes up to 50 m with the minimum increase in working pressure. The reduction to apply the Ø 25 pipe is included in the standard equipment.



Hydraulic system in anti-oxidation brass. Arrangement of components designed to improve water drainage in winter. Large sized self-priming electropump, capable of 4.5 bar pressure, with stainless steel cap and brass impeller.

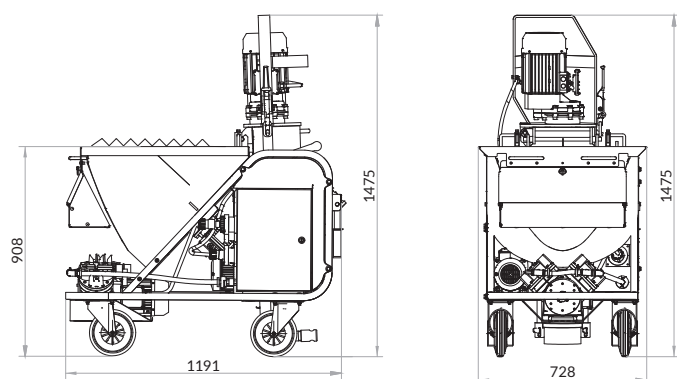
Standard Equipment

Stator and Rotor D6-3
Material delivery pressure gauge
Feeding wheel gearmotor
Power supply and control panel
INGX2 stainless steel self-priming electropump
Brass water system with flow meter and with ANTIFREEZE discharge
40 m electric cable
40 m water hose
15 m material hose Ø 25 mm with quick couplings
16 m air hose Ø 13 mm with quick couplings
Built-in accessory box with gun and reduction Ø 35 - Ø 25
Cleaning accessories (scraper and sponge)
Rotor replacement wrench

Technical data


Power supply	-	400V / 50-60Hz 230V / 60 Hz
Max installed power	kW	7.45
Mixing motor power	kW	5.5
Feeding wheel gearmotor power	kW	0.75
Electropump motor power	kW	0.45
Membrane compressor	-	0.75 kW - 250 l / min
Material flow*	l/min	22
Max pumtabg distance with Ø 25 mm hose*	m	25
Max pumtabg distance with Ø 35 mm hose*	m	50
Served height*	m	30
Hopper capacity	l	110
Loading height	mm	900
Sound pressure level	dB(A)	< 80
Machine dimensions width / length / h	mm	728/1191/1475
Machine weight	kg	263
Packed machine dimensions width / length / h	mm	840/1200/1250
Packed machine weight	kg	355

(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency, the type of stator / rotor installed and the size of the hose used.



Setups for specific applications **KOINE 4**

A



Self-levelling cement / anhydride based screeds

1107091 Self-levelling Kit

B



Accessories for thermal plaster, lightened screed and fireproofing materials

1107028 Stator D8-1.5 - CLAMP Ocher yellow

1107029 Rotor D8-1.5 with tab - Ocher yellow

1107541 Mixer for lightened materials

1107517 Turbo mixer

C



Accessories for thermal plaster, lightened screed based on cork or polystyrene and fireproofing materials. Without turbine

1107028 Stator D8-1.5 - CLAMP Ocher yellow

1107031 Rotor D8-1.5 MONO CLAMP - Green

1107541 Mixer for lightened materials

Accessories for customized setups **KOINE 4**

D6-3 Orange

➤ Recommended for:

- Cement / lime / gypsum plaster based
- Stucco
- Binders / mortars for injections
- Glues for thermal insulation coatings
- Fireproofing
- Self-levelling screeds for thicknesses up to 1.5 cm

Pressure (bar) 30
Maximum grain size (mm) 3
Flow rate (l / min) 20

1107020



Stator D6-3

1107021



Rotor D6-3

1107037



Stator D6-3
NO SPINNING

1107017



Rotor D6-3 FLEX

1107163



Rotor D6-3 with tab

D5-2.5 Gray

➤ Recommended for:

- Cement / lime based plasters
- Structural plasters
- Restorative plasters
- Structural reinforcement mortars
- Grout / Core-Fill Grout
- Fireproofing

Pressure (bar) 25
Maximum grain size (mm) 3
Flow rate (l / min) 25

1107040



Stator D5-2.5
NO SPINNING

1107023



Rotor D5-2.5

1107044



Rotor D5-2.5 FLEX

D7-2.5 White

➤ Recommended for:

- Cement / lime based plasters
- Structural plasters
- Restorative plasters
- Structural reinforcement mortars
- Grout / Core-Fill Grout
- Fireproofing

Pressure (bar) 25
Maximum grain size (mm) 4
Flow rate (l / min) 27

1107041



Stator D7-2.5
NO SPINNING

1107025



Rotor D7-2.5

D8-2 Black

➤ Recommended for:

- Grout / Core-Fill Grout
- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds
- Structural reinforcement mortars
- Fireproofing

Pressure (bar) 20
Maximum grain size (mm) 3
Flow rate (l / min) 34

1107042



Stator D8-2
NO SPINNING

1107027



Rotor D8-2

1107043



Rotor D8-2 FLEX

D8-1.5 Ocher yellow

➤ Recommended for:

- Self-levelling anhydride-based screeds
- Thermal insulating screeds based on cork or polystyrene
- Insulating plasters based on polystyrene or cork
- Structural reinforcement mortars
- Grout / Core-Fill Grout

Pressure (bar) 15
Maximum grain size (mm) 5
Flow rate (l / min) 38

1107028



Stator D8-1.5
CLAMP

1107031



Rotor D8-1.5 MONO
Green

1107029



Rotor D8-1.5 with tab

D4-1/2 Lemon Yellow

➤ Recommended for:

- Glues for coatings
- Finish coat

Pressure (bar) 25
Maximum grain size (mm) 3
Flow rate (l / min) 13

1107032



Stator for grouting
D4-1 / 2 CLAMP

1107033



Rotor D4-1 / 2

1107542		Standard mixer	1107597		Mixer for self-levelling floor screeds	1107541		Mixer for lightened materials
1107500		Blower hood for Koine 4 and Koine 35 Complete with filter. (Level sensor not included)	1107491		I-Dust grate and motor air flow diverter	1107517		Turbo mixer
1107540		Ø 25 F spray gun for traditional /premixed plaster with Ø14 duse	1107549		Ø 25 F spray gun, 1.43 m long for fireproofing and premixed plaster	1107570		U-shaped steel pipe Ø 25
1107551		10 pcs kit deflectors Ø 10 (Duse) in polyurethane for premixed plaster	1107557		5 pcs kit deflectors Ø 10 in polyurethane for traditional plaster			
1107552		10 pcs kit deflectors Ø 12 (Duse) in polyurethane for premixed plaster	1107558		5 pcs kit deflectors Ø 12 in polyurethane for traditional plaster			
1107553		10 pcs kit deflectors Ø 14 (Duse) in polyurethane for premixed plaster	1107559		5 pcs kit deflectors Ø 14 in polyurethane for traditional plaster			
1107554		10 pcs kit deflectors Ø 16 (Duse) in polyurethane for premixed plaster	1107560		5 pcs kit deflectors Ø 16 in polyurethane for traditional plaster			
1107525		Material hose Ø 25 - 15 m with camlock coupling	1107532		Air hose Ø 13 - 16 m with quick couplings			
1107526		Material hose Ø 25 - 10 m with camlock coupling	1107531		Air hose Ø 13 - 10 m with quick couplings			
1107527		Material hose Ø 25 - 5 m with camlock coupling	1107530		Air hose Ø 13 - 5 m with quick couplings			
1107528		Material hose Ø 35 - 10 m with camlock coupling						
1107074		Material hose Ø 25 M35 / M25 L5 m with camlock coupling						
1107087		Cleaning kit for Ø 35 hoses Accessory for cleaning Ø 35 hoses with air or water	1107565		Camlock coupling adapter Ø 35 F - Ø 25 M			
1107103		Cleaning kit for Ø 25 hoses Accessory for cleaning Ø 25 hoses with air or water						
1107519		Kit 10 pcs sponge balls for cleaning Ø 25 hoses	1107520		Kit 10 pcs sponge balls for cleaning Ø 35 hoses			

KOINE 4 Hi-Flow

High flow continuous cycle mixing pump

50 Hz

Koine 4 Hi-Flow 400V/50Hz Tph - 6.8 kW
1106320

60 Hz

Koine 4 Hi-Flow 230V/60Hz Tph - 6.8 kW
with I-Dust grate
1106004



R8 stator and rotor pumping unit and turbo mixer as standard. The standard turbomixer is essential to improve mixing and ensure the homogeneity of the pumped products. Integrated pressure monitor and connection for Ø 35 F pipe.



Hydraulic system in anti-oxidation brass. Arrangement of the components designed to improve water drainage in winter. ING3 self-priming electropump, capable of 4.5 bar pressure and flow rate up to 2500 l/h, with stainless steel cap and brass impeller.

Description

High flow continuous cycle mixing pump, suitable for pumping large volumes of material in bags (up to 220 bags per hour).

Ideal for laying self-levelling screeds in bags with a minimum thickness of 2 cm.

Suitable for pumping dry premixed materials:

- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds
- Structural reinforcement mortars
- Grout / Core-Filling Grout
- Cork / polystyrene based insulating screeds
- Fireproofing materials

The product must be poured into the hopper of the machine directly from the bags.

To limit the dust during use, it is recommended utilizing I-Dust grate item 1107491, connected to a powerful vacuum cleaner equipped with a cyclone filter for dust recovery. (Optional for 1106320 Koine Hi Flow 400v 50Hz).

Operation

The bagged material is poured into the hopper, where a feeding wheel fills the mixing chamber continuously and constantly. The water necessary to obtain the mixture is injected into the mixing chamber by a stainless steel pump.

The water flow is kept constant through a particular stabilization system and controlled by a valve that starts or stops the flow if necessary.

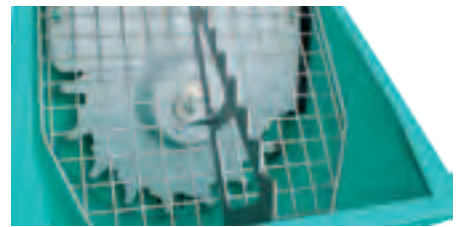
The amount of water in the mixture can be viewed in the flow meter and can be adjusted according to the needs through a micrometric valve.

The freshly mixed material is immediately sucked by the "Rotor-Stator" pumping system and is mixed a second time passing through the turbo mixer. Then it is pushed into the pipe until it reaches the opposite end to be laid.

Washing is simple, very fast and without water and material spilling in the work area. The only area that needs to be cleaned is the one where the mixture takes place. The unused dry material can remain in the hopper and be removed if necessary by opening the appropriate discharge plug at the bottom of the hopper.

Koine 4 Hi-Flow is equipped with safety devices and devices for protecting electric motors from overloads with light signals:

- Correct line / phase presence
- Overload alarm (magnetothermic intervention)
- Presence of optimal water pressure
- Stand-by remote control status
- Self-resetting thermal protector intervention in the mixing motor



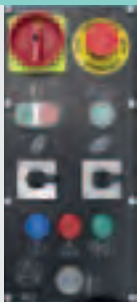
Hopper with grate and bag breaker (Standard version).



Practical toolbox.



Impact resistant square tubular frame.



A simple control panel and electrical system, designed to reduce the number of components and parts most subject to wear, significantly increasing reliability and longevity. Equipped with manual phase inverter with light signals for correct phase, overload alarm, optimal water pressure and stand-by remote control status.



Low voltage ON / OFF remote control, with 16 m cable as standard. Small, lightweight and ergonomic.

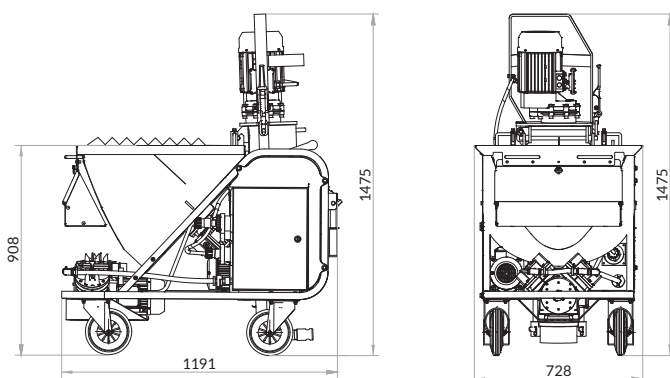
Standard Equipment

Stator and Rotor R8 - 1.5 (Black)
Material delivery pressure gauge
Feeding wheel gearmotor
Power supply and control panel
INGX3 stainless steel self-priming electropump
Brass water system with flow meter and with ANTIFREEZE discharge
40 m electric cable
40 m water hose
10 m material hose Ø 35 mm with quick couplings
Built-in accessory box
Cleaning accessories (scraper and sponge)
High efficiency turbo mixer
16 m on-off wire control
Rotor replacement wrench

Technical data

Power supply	-	400V/50Hz 230V/60Hz
Max installed power	kW	6.8
Mixing motor power	kW	5.5
Feeding wheel gearmotor power	kW	0.75
Electropump motor power	kW	0.55
Material flow*	l/min	80
Max pumping distance*	m	60
Max pumping height*	m	30
Hopper capacity	l	110
Loading height	mm	900
Sound pressure level	dB (A)	< 80
Dimensions width / length / h	mm	728/1191/1475
Machine weight	kg	250
Packed machine dimensions width / length / h	mm	840/1200/1250
Packed machine weight	kg	340

(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency, the type of stator / rotor installed and the size of the hose used.



Accessories for customized setups **KOINE 4 Hi-Flow**

R8-1.5 Black

➔ Recommended for:

- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds
- Structural reinforcement mortars
- Grout / Core-Filling Grout
- Cork / polystyrene based insulating screeds

Pressure (bar) 15

Maximum grain size (mm) 5

Flow rate (l / min) 80

1107622



Stator R8 - 1.5

1107623



Rotor R8-1.5 with tab

R7-1.5 Mustard

➔ Recommended for:

- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds
- Binders / mortars for injections
- Structural reinforcement mortars
- Grout / Core-fill Grout

Pressure (bar) 15

Maximum grain size (mm) 5

Flow rate (l / min) 60

1107624



Stator R7 - 1.5

1107664



Rotor R7-1.5 with tab

R7-2.5 Brown

➔ Recommended for:

- Self-levelling cement-based screeds
- Binders / mortars for injections
- Structural reinforcement mortars
- Grout / Core-fill Grout
- Fireproofing

Pressure (bar) 25

Maximum grain size (mm) 7

Flow rate (l / min) 60 at 400 rpm

1107668



Stator R7 - 2.5

1107667



Rotor R7 - 2.5 with tab

1107542



Standard mixer

1107541



Mixer for lightened materials

1107597



Mixer for self-levelling floor screeds

1107491



I-Dust grate and motor air flow diverter

1107680



Compressor IM 250 230V60Hz

1107528



Material hose Ø 35 - 10 m with camlock coupling

1107640



Compressor IM250 400V/50Hz

1107074



Material hose Ø 25 M35 / M25 L5 m with camlock coupling

1107570



U-shaped steel pipe Ø 25

1107519



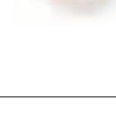
Kit 10 pcs sponge balls for cleaning Ø 25 hoses

1107087



Cleaning kit for Ø 35 hoses
Accessory for cleaning Ø 35 hoses
with air or water

1107520



Kit 10 pcs sponge balls for cleaning Ø 35 hoses

1107544



Remote control extension cable 15 m



KOINE 35

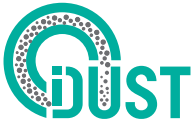
Continuous cycle spraying and mixing pump

50 Hz

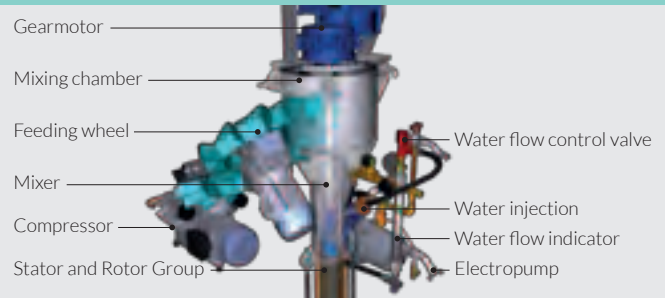
Koine 35 230V/50Hz Sph - 3.65 kW
1106006

60 Hz

Koine 35 230V/60Hz Sph - 3.65 kW
1106048



Simple and intuitive control panel. The diagnostic display indicates any anomalies in use together with the indicator lights, 4-pumping speeds selector and electropump exclusion selector where it is not necessary. Exclusive IMER R2 inverter inside.



Description

Continuous cycle mixing pump, suitable for pumping or spraying all dry premixed materials:

- Cement / lime / gypsum plaster based
- Structural reinforcement mortars
- Structural plasters
- Restorative plasters
- Stucco
- Binders / mortars for injections
- Grout / Core-Fill Grout
- Glues for thermal insulation coatings
- Thermal insulating screeds based on cork or polystyrene
- Insulating plasters based on polystyrene or cork
- Fireproofing mortar
- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds
- Mortars for fire protection

Bagged dry materials are poured into the dry hopper of the machine directly, or the machine can be loaded automatically from a silo even at considerable distances (over 100 m) using the Storm Plus conveyor system and a special blower hood complete of air / dust separator filter to be placed in the hopper of the machine.

The high efficiency of the electrical components, including the exclusive IMER R2 inverter, allows the Koine 35 to work even with the minimum electrical power available in most homes (3 kW). Select the most suitable among the four pumping speeds available, which can be shown on the display.

Operation

The bagged material, or material coming from the silo, is poured into the hopper, where a feeding wheel fills the mixing chamber continuously and constantly.

The water necessary to obtain the mixture is injected into the mixing chamber by a stainless steel pump. The water flow is kept constant through a particular stabilization system and controlled by a valve that starts or stops the flow if necessary.

The amount of water in the mixture can be viewed in the flow meter and can be adjusted according to the needs through a micrometric valve. The material is mixed with water and immediately sucked by the eccentric screw pump and pushed into the pipe until it reaches the end of the spray gun. From here, with the help of the air supplied by the standard integrated compressor, it is sprayed on the application area, from a distance of about 20 cm. The material flow can be started or stopped directly from the spray gun by opening or closing the air valve.

Washing is simple, very fast and without water and material spilling in the work area. The only area that needs to be cleaned is the one where the mixture takes place, while the unused dry material can remain in the hopper and be removed if necessary by opening the appropriate discharge plug at the bottom of the hopper.

Koine 35 is equipped with safety protections that immediately stop the electric motors if the mixing chamber is opened, signaling the event with an indicator light and an indication on the display. The machine is also equipped with status diagnostics, which ensures electrical protection in any case of system overload or use anomaly.



Easily removable feeding wheel.



Practical toolbox.



Impact resistant square tubular frame.



Hydraulic system made with anti-oxidation brass. Arrangement of components designed to improve water drainage in winter. Large sized self-priming electropump, capable of 4.5 bar pressure, with stainless steel cap and brass impeller.



Cast iron material delivery flange with pressure gauge. Direct connection for Ø35 F pipe. It allows to extend the pipes up to 30 m with the minimum increase in working pressure. The reduction to apply the Ø 25 pipe is included in the standard equipment.

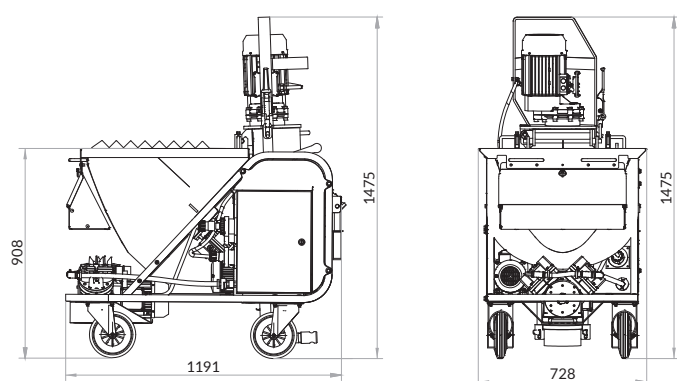
Standard Equipment

Standard mixer
Stator and Rotor D5-2.5 monoflex (Purple)
Material delivery pressure gauge
Control panel with exclusive IMER R2 4-speeds inverter and diagnostic display
INGX2 stainless steel self-priming electropump
Brass water system with flow meter and with ANTIFREEZE discharge
20 m electric cable with 16 A plug
20 m water hose Ø 13 mm
16 m air hose Ø 13 mm
15 m material hose Ø 25 mm
Spray gun with deflectors
Built-in accessory box complete with washing sponge and nozzle cleaner
Scraper
Camlock adapter Ø 35F - Ø 25M
Rotor replacement wrench

Technical data

Power supply	-	230V 50/60Hz
Max installed power	kW	3.65
Mixer motor power	kW	2.2
Feeding wheel gearmotor power	kW	0,25
Electropump motor power	kW	0.45
Electric compressor	-	0.75 kW - 250 l / min
Material flow*	l/min	8-11-14-17
Max pumping distance with Ø 25 mm hose*	m	20
Max pumping distance with Ø 35 mm hose*	m	40
Served height*	m	15
Hopper capacity	l	110
Loading height	mm	900
Sound pressure level	dB (A)	< 76
Dimensions width / length / h	mm	728/1191/1475
Machine weight	kg	255
Packed machine dimensions width / length / h	mm	840/1200/1250
Packed machine weight	kg	325

(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency, the type of stator / rotor installed and the size of the hose used.



KOINE 35G

Continuous cycle mixing pump

Koine 35G 230V/60Hz Sph - 2.9 kW
with I-Dust Grate
1106051

Koine 35 Grouting is a single-phase direct mixing pump particularly suitable for mixing and pumping of grouts and self-levelling underlayments. The exclusive I-Dust grate allows to limit the powders dispersed in the environment. It is equipped with double mixing system and high flow pumping unit (26l/min).



Standard Equipment

Standard mixer
Stator and Rotor D8-1.5 Clamp (Ocher Yellow)
I-Dust grate
Turbo mixer
Material delivery pressure gauge
Control panel with exclusive IMER R2 4-speeds inverter and diagnostic display
INGX2 stainless steel self-priming electropump
Brass water system with flow meter and with ANTIFREEZE discharge
20 m electric cable with 16 A plug
20 m water hose Ø 13 mm
15 m material hose Ø 25 mm
Built-in accessory box complete with washing sponge
Scraper
Camlock adapter Ø 35F - Ø25M
Rotor replacement wrench

Exclusive accessory for customizing Koine 35G 230V / 60Hz Sph Code **1106051** - Spray applications

1107637



Compressor IM250
230V / 60Hz Sph

1107005



Premixed spray kit

KOINE 35 setups

A

Accessories for thermo-plaster, lightened screed and fireproofing materials

1107030 Stator D8-1.5 MONO CLAMP
1107029 Rotor D8-1.5 with tab - Ocher
1107541 Mixer for lightened materials
1107517 Turbo mixer

B

Accessories for thermo-plaster, lightened screed and fireproofing materials. Without turbine

1107030 Stator D8-1.5 MONO CLAMP
1107031 Rotor D8-1.5 MONO - Green
1107541 Mixer for lightened materials

C

Accessories for self-levelling screeds

1107030 Stator D8-1.5 MONO CLAMP
1107031 Rotor D8-1.5 MONO - Green
1107597 Mixer for self-levelling floor screeds

Accessories for customized setups **KOINE 35**

D5-2.5 Purple

➡ Recommended for:

- Gypsum / lime / cement based plasters
- Stucco
- Structural plasters, even fiber-reinforced
- Restorative plasters
- Binders / mortars for injections
- Structural reinforcement mortars
- Fireproofing

Pressure (bar) 25

Maximum grain size (mm) 4

Flow (l / min) 17

1107038



Stator D5-2.5 MONO

1107039



Rotor D5-2.5
MONOFLEX

1107084



Stator D5-2.5
MONO CLAMP

1107085



Rotor D5-2.5 MONO

1107162



Rotor D5-2.5 MONO
with tab

D8-1.5 Green

➡ Recommended for:

- Grout / Core-fill Grout
- Structural reinforcement mortars
- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds
- Polystyrene based thermal insulating screeds
- Insulating plasters based on polystyrene or cork
- Fireproofing

Pressure (bar) 15

Maximum grain size (mm) 5

Flow (l / min) 26

1107030



Stator D8-1.5
MONO CLAMP

1107031



Rotor D8-1.5 MONO

1107029



Rotor D8-1.5
with tab - Ocher

D4-1/2 Lemon Yellow

➡ Recommended for:

- Glues for coatings

Pressure (bar) 25

Maximum grain size (mm) 3

Flow rate (l / min) 9

1107032












Stator D4-1/2 CLAMP









1107033



Rotor D4-1/2

Accessories for customized setups **KOINE 35**

1107542		Standard mixer	1107597		Mixer for self-levelling floor screeds	1107541		Mixer for lightened materials
1107500		Blower hood for Koine 4 and Koine 35 Complete with filter. (Level sensor not included)	1107491		I-Dust grate and motor air flow diverter	1107517		Turbo mixer
1107540		Ø 25 F spray gun for traditional/premixed plaster with Ø14 duze	1107549		Ø 25 F spray gun, 1.43 m long for fireproofing and premixed plaster	1107570		U-shaped steel pipe Ø 25

1107551		10 pcs kit deflectors Ø 10 (Duse) in polyurethane for premixed plaster	1107557		5 pcs kit deflectors Ø 10 in polyurethane for traditional plaster
1107552		10 pcs kit deflectors Ø 12 (Duse) in polyurethane for premixed plaster	1107558		5 pcs kit deflectors Ø 12 in polyurethane for traditional plaster
1107553		10 pcs kit deflectors Ø 14 (Duse) in polyurethane for premixed plaster	1107559		5 pcs kit deflectors Ø 14 in polyurethane for traditional plaster
1107554		10 pcs kit deflectors Ø 16 (Duse) in polyurethane for premixed plaster	1107560		5 pcs kit deflectors Ø 16 in polyurethane for traditional plaster
1107525		Material hose Ø 25 - 15 m with camlock coupling	1107532		Air hose Ø 13 - 16 m with quick couplings
1107526		Material hose Ø 25 - 10 m with camlock coupling			
1107527		Material hose Ø 25 - 5 m with camlock coupling	1107531		Air hose Ø 13 - 10 m with quick couplings
1107528		Material hose Ø 35 - 10 m with camlock coupling	1107530		Air hose Ø 13 - 5 m with quick couplings
1107074		Material hose Ø 25 M35 / M25 L5 m with camlock coupling			
1107087		Cleaning kit for Ø 35 hoses Accessory for cleaning Ø 35 hoses with air or water	1107565		Camlock coupling adapter Ø 35 F - Ø 25 M
1107103		Cleaning kit for Ø 25 hoses Accessory for cleaning Ø 25 hoses with air or water			
1107519		Kit 10 pcs sponge balls for cleaning Ø 25 hoses	1107520		Kit 10 pcs sponge balls for cleaning Ø 35 hoses

KOINE 3

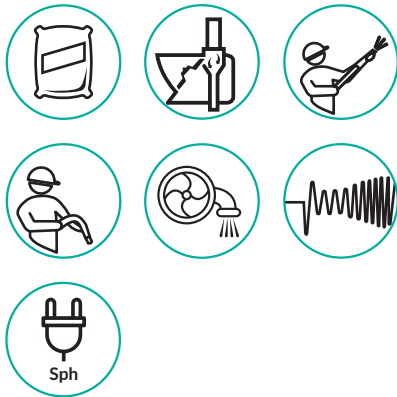
Continuous cycle spraying and mixing pump

50 Hz

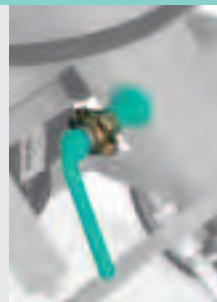
Koine 3 230V/50Hz Sph - 3.4 kW
1106007

60 Hz

Koine 3 230V/60Hz Sph - 3.4 kW
1106009



Bifunctional grate safety sensor with light signaling when the hopper grate is removed and when the mixing chamber motor is opened. It simplifies cleaning operations ensuring maximum safety.



Easy Start Up

Starting a plastering machine is always a delicate phase, but not for Koine 3.

Easy start system:

- 1) Remove the cap and bring the water to the level
- 2) Put the premixed in the hopper
- 3) Start the mixing motor

Description

Continuous cycle mixing pump, suitable for pumping or spraying all dry premixed materials:

- Cement / lime / gypsum plaster based
- Structural reinforcement mortars
- Structural plasters
- Restorative plasters
- Stucco
- Binders / mortars for injections
- Grout / Core-Fill Grout
- Glues for thermal insulation coatings
- Thermal insulating screeds based on cork or polystyrene
- Insulating plasters based on polystyrene or cork
- Fireproofing mortar
- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds

The product used can be poured into the machine hopper directly from the bags.

Koine 3 is a small size plastering machine that can be easily dismantled, ideal for all renovation works, where accessible spaces are limited and portability is of fundamental importance.

The high efficiency of the electrical components, including the exclusive IMER R2 inverter, allows Koine 3 to work even with the minimum electrical power available in most homes (3 kW). Select the most suitable among the four pumping speeds available, which can be shown on the display.

Operation

Bagged material is poured into the hopper, where an agitator shaft accompanies the material towards the mixing chamber.

The water necessary to obtain the mixture is injected into the mixing chamber by a stainless steel pump. The water flow is kept constant through a particular stabilization system and controlled by a valve that starts or stops the flow if necessary.

The amount of water in the mixture can be viewed in the flow meter and can be adjusted according to the needs through a micrometric valve. The material is mixed with water and immediately sucked by the eccentric screw pump and pushed into the pipe until it reaches the end of the spray gun. With the help of the air supplied by the standard built-in compressor, the gun allows spraying the material on the application area from a distance of about 20 cm.

The material flow can be started or stopped directly from the spray gun by opening or closing the air valve.

Washing is simple, very fast and without water and material spilling in the work area.

Before washing, the material in the hopper must be pumped until the hopper is completely empty. Then the mixing chamber can be cleaned by inserting the special scraper supplied with the machine in place of the mixing shaft.

Koine 3 is equipped with safety protections that immediately stop the electric motors if the hopper grate is removed or the mixing chamber is opened, signaling the event with an indicator light and indication on the display. The machine is also equipped with status diagnostics, which ensures electrical protection in any case of system overload or use anomaly.



Frame complete with electrical and hydraulic system 71 kg

Gearmotor 36 kg

Mixing chamber 52 kg

Quick disassembly handle

Compressor 21 kg



Cast iron material delivery flange, with pressure meter and connection for Ø 25 M pipe.



Hopper with feeding by fall, with capacity 50 l, extendable to 70 l with the appropriate accessory "hopper extension". Recommended for the processing of lightened products, always contained in bulky bags, or for self-levelling products where the material flow rates are high.

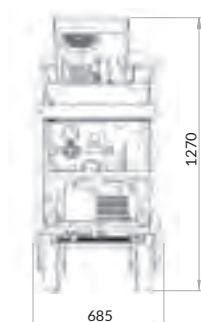
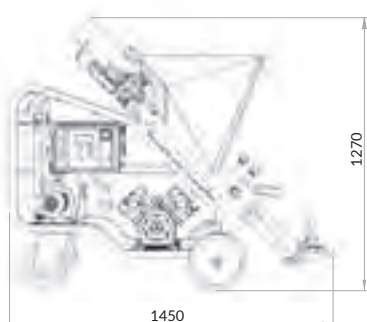
Standard Equipment

Standard mixer
D5-2.5 Monoflex Stator and Rotor (purple)
Material delivery pressure gauge
Control panel with exclusive IMER R2 inverter with 4 selectable speeds and diagnostic display
INGX2 self-priming stainless steel electropump
Anti-oxidation brass water system, flow meter and antifreeze discharge
20 m electric cable with 16 A plug
20 m water hose Ø 13 mm
16 m air hose Ø 13 mm
15 m material hose Ø 25 mm
Gun for premixed products with deflectors
Accessory box complete with washing sponge and nozzle cleaner
Scraper
Rotor replacement wrench

Technical data

Power supply	-	230V 50/60Hz
Max installed power	kW	3.4
Mixing motor power	kW	2.2
Electropump motor power	kW	0.45
Electric compressor	-	0.75 kW - 250 l / min
Portata materiMaterial flow*	l/min	8-11-14-17
Max pumping distance*	m	20
Served height*	m	15
Hopper capacity	l	50
Loading height	mm	1000
Sound pressure level	dB (A)	< 76
Dimensions width / length / h	mm	685/1450/1270
Machine weight	kg	180
Packed machine dimensions width / length / h	mm	800/1600/1700
Packed machine weight	kg	250

(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency, the type of stator / rotor installed and the size of the hose used.



Setups for specific applications **KOINE 3**

A



Accessories for thermo-plaster, lightened screed and fireproofing materials.

1107030	Stator D8-1.5 MONO CLAMP
1107029	Rotor D8-1.5 with tab - Ocher
1107590	Mixer for lightened polystyrene based materials
1107517	Turbo mixer
1107591	Hopper extension

B



Accessories for thermo-plaster, lightened screed and fireproofing materials. Without turbine

1107030	Stator D8-1.5 MONO CLAMP
1107031	Rotor D8-1.5 MONO - Green
1107590	Mixer for lightened polystyrene based materials
1107591	Hopper extension

C



Accessories for self-levelling screeds

1107030	Stator D8-1.5 MONO
1107031	Rotor D8-1.5 MONO - Green
1107591	Hopper extension

Accessories for customized setups **KOINE 3**

D5-2.5 Purple

➔ Recommended for:

- Lime / cement based plasters
- Stucco
- Structural plasters, even fiber-reinforced
- Restorative plasters
- Binders / mortars for injections
- Structural reinforcement mortars
- Fireproofing

Pressure (bar) 25

Maximum grain size (mm) 4

Flow (l / min) 17 at 300 rpm

1107038



Stator D5-2.5 MONO

1107039



Rotor D5-2.5 MONOFLEX

1107084



Stator D5-2.5 MONO CLAMP

1107085



Rotor D5-2.5 MONO

1107162



Rotor D5-2.5 MONO with tab

D8-1.5 Green

➔ Recommended for:

- Grout / Core-fill Grout
- Structural reinforcement mortars
- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds
- Polystyrene based thermal insulating screeds
- Insulating plasters based on polystyrene or cork
- Fireproofing

Pressure (bar) 15

Maximum grain size (mm) 5

Flow (l / min) 26

1107030



Stator D8-1.5 MONO CLAMP

1107031



Rotor D8-1.5 MONO

1107029



Rotor D8-1.5 with tab - Ocher

D4-1/2 Lemon Yellow

➔ Recommended for:

- Glues for coatings

Pressure (bar) 25

Maximum grain size (mm) 3

Flow rate (l / min) 9

1107032



Stator D4-1 / 2 CLAMP

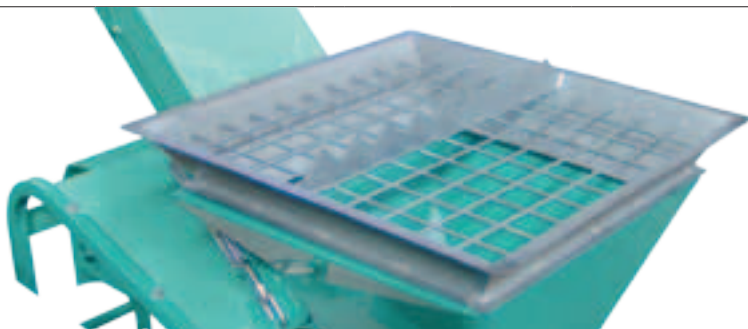
1107033



Rotor D4-1 / 2

Accessories for customized setups **KOINE 3**

1107591



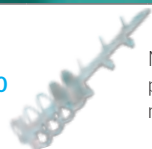
Hopper extension +20 litres
It increases material capacity from 3 to 4 bags.
Indispensable for pumping lightened screeds or products contained in bags with a volume greater than 40 L.

1107100



Standard mixer

1107590



Mixer for lightened polystyrene based materials

1107517



Turbo mixer

1107540



Ø 25 F spray gun for traditional/premixed plaster with Ø14 duse

1107549



Ø 25 F spray gun, 1.43 m long for fireproofing and premixed plaster

1107570



U-shaped steel pipe Ø 25

1107551

10 pcs kit deflectors Ø 10 (Duse) in polyurethane for premixed plaster

1107557

5 pcs kit deflectors Ø 10 in polyurethane for traditional plaster

1107552



10 pcs kit deflectors Ø 12 (Duse) in polyurethane for premixed plaster

1107558



5 pcs kit deflectors Ø 12 in polyurethane for traditional plaster

1107553



10 pcs kit deflectors Ø 14 (Duse) in polyurethane for premixed plaster

1107559



5 pcs kit deflectors Ø 14 in polyurethane for traditional plaster

1107554

10 pcs kit deflectors Ø 16 (Duse) in polyurethane for premixed plaster

1107560

5 pcs kit deflectors Ø 16 in polyurethane for traditional plaster

1107525



Material hose Ø 25 - 15 m with camlock coupling

1107532



Air hose Ø 13 - 16 m with quick couplings

1107526



Material hose Ø 25 - 10 m with camlock coupling

1107531



Air hose Ø 13 - 10 m with quick couplings

1107527



Material hose Ø 25 - 5 m with camlock coupling

1107530



Air hose Ø 13 - 5 m with quick couplings

1107103



Accessory for washing hoses Ø 25

1107519



Kit 10 pcs sponge balls for cleaning Ø 25 hoses

STORM PLUS

Pneumatic conveying system for dry premixed mortars

Storm Plus 400V/50Hz Tph - 7.5 kW
1106300



Conveyor with
pneumatic valve



42V level probe



Forklift guides.
Single lifting hook.
Large-sized wheels (385 mm).



Folding handles
for easy handling.

Description

Long distance pneumatic conveying system for dry premixed mortars. Suitable for pumping dry materials:

- Masonry mortars
- Lime and cement based plasters
- Gypsum based plasters
- Self-levelling screeds based on cement and anhydride (small quantities)
- Powder additives (generic use)

Ideal for transporting materials from the storage silo to the continuous cycle mixing pump, without dust emissions into the environment. It allows to keep the work area clean, without dispersion of materials. Unlike other similar products, it does not require operator supervision during work. It can only be used for 2 bar pressurized silos. Powerful and fully automatic, it is equipped with a self-diagnostic system and maintenance is minimized.

Storm Plus allows to reach high heights and distances and is equipped with the most advanced control systems during the pumping process.

It is able to independently monitor and manage:

- Selection of the direction of rotation at the first start
- Self-diagnostics with signaling of any anomalies of use
- Constant monitoring and automatic pressurization of the silo
- Constant monitoring of the material thrust pressure, to avoid blockages in the hoses
- Automatic monitoring of the emptying time of the hoses at the end of the loading
- Automatic system for emptying the hoses in the event of an electrical blackout

The revolutionary ICDLR 120 oil-free cflow compressor is capable of generating large quantities of air without the use of lubricating oils. Unlike normal compressors, periodic maintenance is limited to cleaning the air intake filter only.

Operation

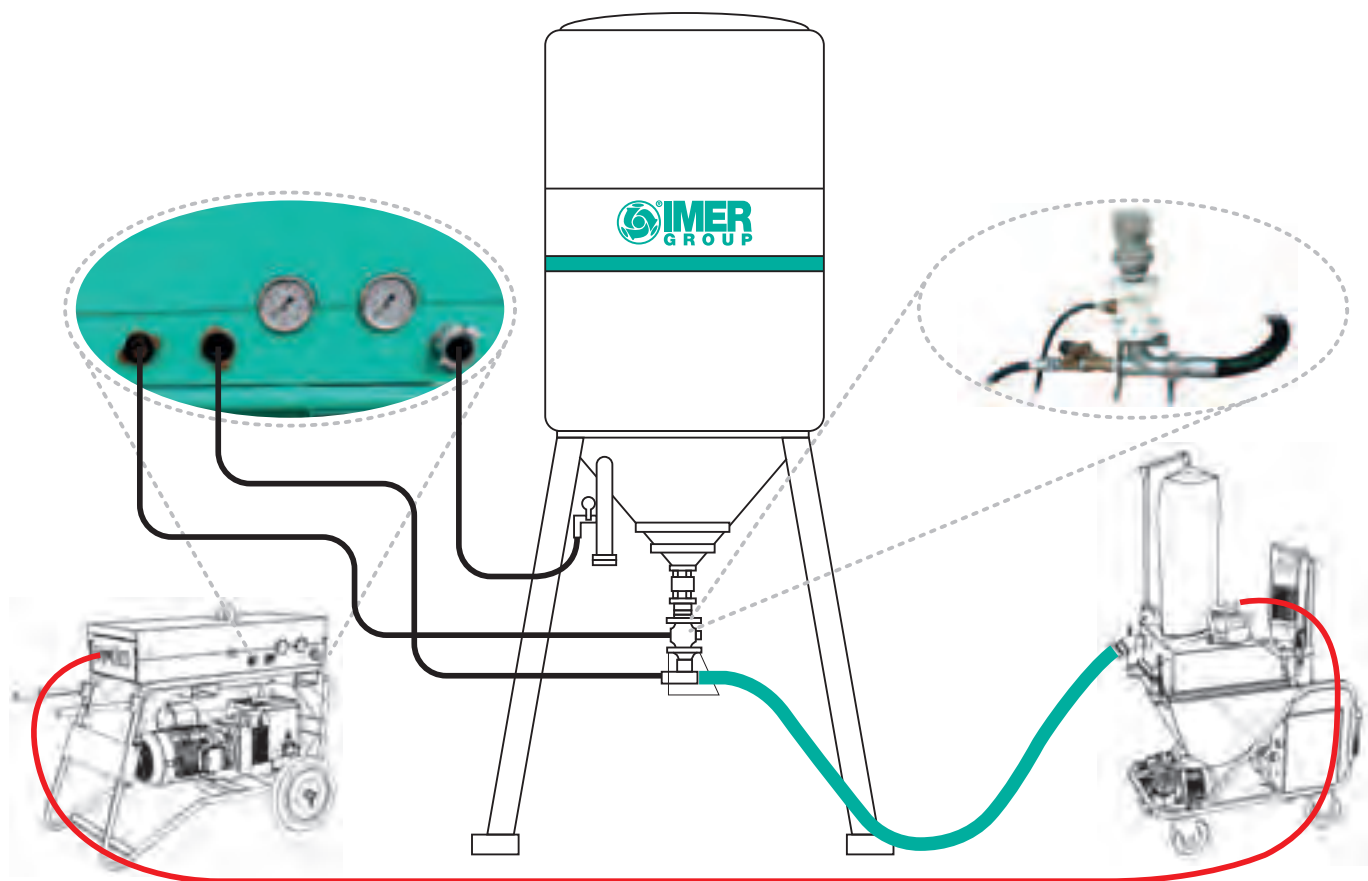
The conveyor complete with material opening and closing valve, connected to the Storm Plus via two hoses for compressed air, must be installed at the base of the silo. A third hose connects the Storm Plus to the silo for pressurization.

The blower hood complete with filter and level probe must be installed in the continuous cycle pump or mixer. The hoses equipped with quick couplings necessary for the transport of the material is connected by the conveyor under the silo to the blower hood installed on the pump / mixer. The level probe is connected to the Storm Plus through the electrical cable complete with plugs.

The sealed silo, where the premixed is contained, is pressurized up to about 1.8 bar. When the pump / mixer hopper is empty, the probe starts the compressor and opens the pneumatic valve, starting the transport of material. When the pump / mixer hopper is full, the probe closes the pneumatic valve, interrupting the material flow. After waiting for the hoses to be completely empty of material, it switches off the compressor and waits for the next load.

Storm Plus automatically monitors and restores the silo's internal pressure. To avoid clogging of the hoses, the air flow during the pump / mixer loading must always remain constant until the hoses are completely emptied. In the event of an electrical blackout during loading, the air flow would stop when the hoses are full of material. Storm Plus is equipped with an automatic emptying device for the hoses by recovering the air contained in the silo, which safely avoids the inconvenience.

At the end of the work it does not require cleaning. It will be sufficient to close the main valve of the silo and turn off the main switch in the control panel.



Oil-free clow compressor.
Maintenance reduced to the
cleaning of the air filter.



Fully automatic compressed air system:

- Air tank for pneumatic valve certified (CE)
- Automatic check and reset of silo pressure
- Continuous anti-clogging system
- Anti-clogging system in case of electrical blackout

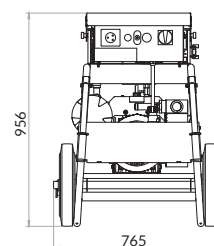
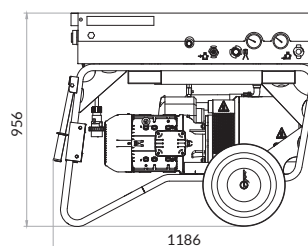
Standard Equipment

Essential and ergonomic control panel
Self-diagnostics with automatic phase selector
Automatic emptying system of the pipes in case of electrical blackout
Automatic anti-clogging system
Automatic control and pressurization of the silo
Clow compressor ICDLR 120
Level probe IPFG86 / 42T1
Conveying group complete with pneumatic valve Ø50 (2")
Cable for level probe 3X1 42V L50M with plugs
Electrical power cable H07RN-F4X4 + plugs 380V 32A L40m
Multitrex NW45 hose in PU-PVC spiral Ø45 L 50m (4 x L12.5 m) with Storz connections
Tightening wrenches for Storz connections
Material conveyor with pneumatic valve
Sturdy frame with cover for pneumatic and electrical parts
Large-sized wheels 385 mm for easy movement
Handles for handling
Central lifting hook
Lifting guides for forklift
Air hoses connected for machine / conveyor / silo connection (3 units)

Technical data

Power supply	-	400V/50Hz
Max installed power	kW	7.5
Control voltage	V	42
	kW	7.5
Clow compressor ICDLR 120	A	13.9
	Nm³/h	120
Maximum working pressure	bar	2
Control pressure	bar	3.5
Material flow rate*	m³/h	1.2
Maximum pumping distance*	m	150
Maximum pumping height*	m	60
Sound pressure level	dB (A)	< 80
Dimensions width / length / h	mm	765/1186/956
Machine weight	kg	265
Packed machine dimensions width / length / h	mm	800/1200/1700
Packed machine weight	kg	340

(*) The values indicated are subject to variations based on the characteristics of the materials used, their density and grain size.



Accessories for customized setups **STORM PLUS**

1107500



Blower hood for Koine 4 and Koine 35
Complete with filter.
(Level probe not included)

1107490



Blower hood with double filter, oversized
for hopper extension (+250 l), for Koine 4
(Level probe not included)

1107615



Single filter blower hood for Spin 30 Plus
(Level probe not included)

1107620



Blower hood with double filter, oversized
for hopper extension (+250 l), for Spin 30
Plus (Level probe not included)

1107538



Storz Free Flow rubber hose 16 bar
Ø 50 L 20 m

1107524



Multitex NW45 hose in PU-PVC spiraled
L12.5 m Ø45 with Storz Free Flow
connections

1107614



Storz Free Flow rubber hose 16 bar
swivel fitting Ø50 L 20 m

1107523



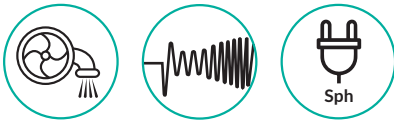
Cable for level probe 3X1 42V L 50 m
with plugs



SPEEDY

Electric plaster finishing machine

Speedy 230V 50/60Hz Sph - 0.8 kW
1107109



Accessories

 <p>➔ Recommended for smoothing skim coats on traditional and premixed base coat plaster</p> <p>1107107 Brown sponge for plasters with medium grain size</p>	 <p>➔ Recommended for smoothing gypsum-based stuccos and fine-grained skim coats</p> <p>1107108 Blue sponge for plasters with fine grain size</p>	 <p>➔ Recommended for smoothing rough base plaster and floor screeds</p> <p>1107106 Black plastic plate for rough</p>
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Description

Professional finishing machine for smoothing raw plasters or skim coats in general with water spray nozzle.
Easy to use with minimal effort, it almost completely replaces the traditional manual plaster finishing, significantly increasing daily production.

Suitable for:

- Regular mortar / lime base coat plaster (up to 50 m² / h)
- Premixed cement / lime base coat plaster (up to 50 m² / h)
- Smoothing of regular mortar / premixed base coat plaster (up to 60 m² / h)
- Decorative finish with scratched effect (up to 60 m² / h)

Standard Equipment

Low voltage electromechanical power plate with 15m of superflexible cable
DC power supply unit
Integrated electropump
Nebulizer nozzle for water, with integrated control button
Removable 2 L water tank
1 black ABS plate for rough plaster
1 low density brown sponge for finishing
Safety goggles
ABS container with cover

Operation

The power supply unit is positioned in the centre of the work area in order to reach all surfaces within a radius of 15 m with the power plate, remaining connected through a special superflexible and very resistant cord. Everything happens in complete safety, as the power plate motor is powered at low voltage. In the control panel there are the generic controls: main switch and speed variator 80-120 rpm. The water pump and the removable tank are also integrated in the control unit. In the ergonomic handle of the rotating power plate there are two buttons: one to operate the plate remotely and the other to operate the water sprayer. The sponge and the ABS plate are easily removable for maintenance.

Technical data

Control unit power supply	VAC	230V 50/60 Hz
Power plate supply	VDC	42
Installed power	kW	0.8
Degree of protection	IP	44
Rotating power plate idle revolutions	rpm	80-120
Support plate diameter	mm	370
Water tank capacity	L	2
Low voltage cable length	m	15
Control unit dimensions width / length / h	mm	300/300/360
Packaging dimensions width / length / h	mm	400/600/440
Control unit weight	kg	13.3
Power plate weight	kg	5
Complete machine weight	kg	18.3

SMALL 50 EVO

Multi-purpose pump and spray machine

50 Hz

Small 50 ES EVO

230V/50 Hz Sph - 2.5 kW
with vibrating grid compressor
and hoses kit

1106341

60 Hz

Small 50 ES EVO

230V/60 Hz Sph - 2.5 kW
with vibrating grid compressor
and hoses kit

1106046

Small 50 EVO

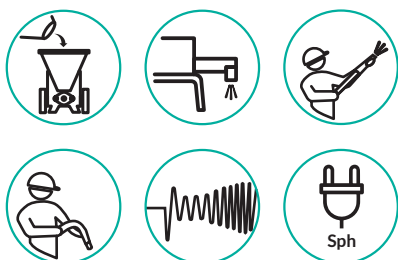
230V 50/60 Hz Sph - 1.5 kW

1106342

Small 50 EVO

115V 50/60 Hz Sph - 1.5 kW

1106344



Multi-accessory and adaptable to all mortar pumping needs.



Continuous speed variation and a series of pumping units provide a material flow from 0.3 to 14 l / min.

Description

Ultra-compact, light and powerful. Accessories allow the pumping or spraying of multiple products:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Binders / mortars for consolidation injections
- Insulating plasters polystyrene or cork based
- Thixotropic fiber-reinforced reinforcement mortars
- Fill core grout / Grouts
- Self-levelling cement / anhydride based screeds
- Tuck pointing
- All free-solvent paints
- Adhesives for thermal insulation coatings
- Fine coating/ Skim cote
- Smoothers for decorative finishing with silicates or minerals
- Waterproofing plasters, even fiber-reinforced
- Fireproofing

Equipped with the exclusive IMER R2 inverter, which features a pumping speed variator and operating diagnostics, for total control of the conditions of use in complete safety.

It can be used in combination with any type of external mixer:

- Planetary mixer series "MIX"
- Continuous mixer series "SPIN"
- Concrete mixer series "SYNTESI", "MINIBETA" or "RIOBETA"

Operation

Small 50 EVO is usually positioned under the discharge outlet of a mixer to pour the mixture directly into the hopper.

Wet products that do not need to be mixed, can be poured directly into the hopper.

The mixture contained in the hopper is sucked by the rotor-stator pumping system and pushed into the hose until it reaches the opposite end.

Accessories for spraying the products or devices for making injections at controlled pressure can be connected. Otherwise the machine can use a hose for the pouring of self-levelling or filling products.

Set the pumping speed using the exclusive IMER R2 inverter, adapting the machine to the different needs.

SMALL 50 EVO is equipped with a diagnostic display, which signals any anomalies during use and related resolution methods.

The exclusive IMER R2 inverter allows the SMALL 50 EVO can operate with appropriately sized generators.



250 mm oversized wheels and lifting handles for easy handling.



Useful toolbox.

Standard Equipment

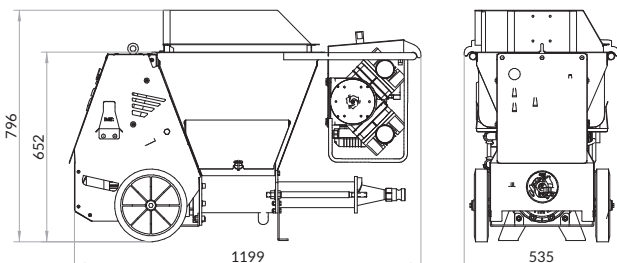
Stainless steel hopper
Stator and rotor D8 1.5 ECO
Power supply and control panel with inverter
20 m electric power cable
Electric remote control
Pressure measuring unit
Accessory box
Vibrating grid (Small 50 ES EVO)
Premixed / traditional mortar kit (Small 50 ES EVO)
Electric diaphragm compressor IM250 (Small 50 ES EVO)

Technical data SMALL 50 ES EVO

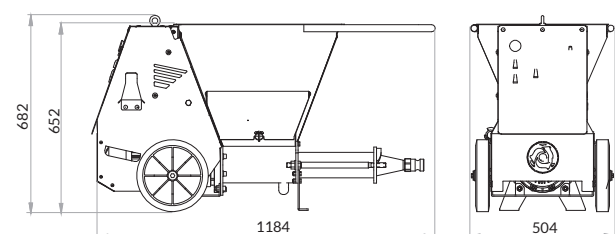
Supply	-	230V/50Hz
Maximum installed power	kW	2.5
Material flow rate*	l/min	0.8 to 14
Max. pumpable grain size*	mm	6
Max. pumping distance hose Ø 19 mm*	m	15
Max. pumping distance hose Ø 25 mm*	m	25
Hopper capacity	l	50
Loading height	mm	650
Sound pressure level	dB (A)	< 74
Dimensions width / length / h	mm	535/1199/796
Machine weight	kg	69
Compressor weight	kg	28
Packed machine dimensions width / length / h	mm	550/1250/1100
Packed machine weight	kg	120

(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency, the type of stator / rotor installed and the size of the hose used.

Small 50 ES EVO



Small 50 EVO



Standard setup **SMALL 50 ES EVO**



1106341 Small 50 ES EVO
230V/50Hz 2.5 kW

1106343 Small 50 EVO
230V/60Hz 2.5 kW

➡ Recommended for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Thixotropic fiber-reinforced mortars for reinforcement
- Insulating plasters based on polystyrene or cork
- Grouting, core fill grout
- Fireproofing
- Other accessories are applicable for specific uses..

Setups for specific applications **SMALL 50 EVO**



1106342 Small 50 EVO
230V/50 Hz 1.5 kW

1106344 Small 50 EVO
115V/50-60Hz 1.5kw

S1

➡ Recommended setup for:

- Pressure-controlled injections

Maximum installed power 1.5 kW

1107006 Injection kit for R2 panel

1108005 Injection kit for A1 panel

- Pressure meter and pressure switch group
- Reduction M. 1 "F. 3/4" in brass
- Small 50 gun with 1 hose deflector Ø 16
- 10 m material hose Ø 25 with camlock coupling
- 5 m material hose Ø 25 with camlock coupling
- 1 nozzle cleaner and 1 sponge Ø 30



1106342 Small 50 EVO
230V/50Hz 1.5 kW

1106344 Small 50 EVO
115V/50-60Hz 1.5kw

S2

➡ Recommended setup for:

- Adhesives for thermal insulation coatings
- Smoothing compounds for plaster
- Smoothers for decorative finishing with silicates or other minerals
- Waterproofing

Maximum installed power 3.7 kW

1107010 Smoothing and grouting kit

- Spray gun
- 1 set of deflectors Ø5-Ø6-Ø8-Ø12 mm
- 1 deflector with hose connection Ø16
- 10 + 5 m material hose Ø 25 with camlock coupling
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner and 1 sponge Ø 30



1107610



(Only for 230V/50Hz versions)
Piston compressor C400
230V / 50Hz 2.2 kW

1107513



Hopper cover

1107084



Stator D5-2.5 MONO CLAMP

- Color: purple
- Max. grain size 3 mm
- Flow rate (l / min) 0.6-10
- Pressure 25 bar

1107085



Rotor D5-2.5 MONO

Setups for specific applications **SMALL 50 EVO**

	1106342 Small 50 EVO 230V/50Hz 1.5 kW	S3	Recommended setup for: • Tuck pointing • Groutings on exposed stones
	1106344 Small 50 EVO 115V / 50-60Hz 1.5 kW		
1107499 	Conical tube gun for spacing Ø 25 • Sectionable steel tube to obtain the desired outlet diameter. • No spreading ball valve	1107525 	Material hose Ø 25 - 15 m with camlock coupling
1107016 	Internal vibrating hopper 230V / 50-60 Hz	1107032 	Stator D4-1 / 2 CLAMP • Color: lemon yellow • Pressure (bar) 25 • Max. grain size (mm) 2 • Flow rate (l / min) 0.3- 4.5
1107015 	Internal vibrating hopper 115V / 50-60 Hz	1107033 	Rotor D4-1 / 2
	1106342 Small 50 EVO 230V/50 Hz 1.5 kW	S4	Recommended setup for: • Solvent-free paints Maximum installed power 3.7 kW
	1106344 Small 50 EVO 115V / 50-60 Hz 1.5 kW		
	1107009 Painting kit • Spray gun + deflectors Ø5-Ø6 • 10 m material hose Ø 19 with camlock coupling • 16 m air hose Ø 13 with Geka couplings • 1 nozzle cleaner and 1 sponge Ø 25 • Reduction coupling Ø 25 - Ø19 for hose		
1107610 	(Only for 230V/50Hz versions) C400 piston compressor 230V / 50Hz 2.2 kW	1107513 	Hopper cover
1107084 	Stator D5-2.5 MONO CLAMP • Color: purple • Max. grain size 3 mm • Flow rate (l / min) 0.6- 10 • Pressure 25 bar	1107085 	Rotor D5-2.5 MONO

Kits and accessories for customized setups

SMALL 50 EVO / SMALL 50 ES EVO



➡ Recommended setup for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Thixotropic fiber-reinforced mortars for reinforcement
- Insulating plasters based on polystyrene or cork
- Fire proofing mortars

Premixed / traditional mortar kit

- Spray gun
- Defectors Ø 12 for regular mortar
- Defectors Ø 10-14 for premixed products
- 15 m material hose Ø 25 with cam lock couplings
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner
- 1 sponge Ø 30

1107005



➡ Recommended setup for:

- Mortars for grouts / stuccos
- Adhesives for thermal insulation coatings
- Smoothing plasters
- Smoothers for decorative finishing with silicates or minerals
- Waterproofing
- Solvent-free paints
- Tuch pointing / filling
- Groutings on exposed stones

Smoothing and grouting kit

- Spray gun
- 1 set of defectors Ø5-Ø6-Ø8-Ø12 mm
- 1 deflector with hose connection Ø16
- 10 + 5 m material hose Ø 25 with cam lock couplings
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner and 1 sponge Ø 30

1107010



➡ Recommended setup for:

- Binders / mortars for consolidation injections at controlled pressure

1107006 Injection kit for R2 panel

1108005 Injection kit for A1 panel

- Pressure control group with adjustable pressure switch 0.5-5 bar
- Small 50 gun with 1 house connections hose deflector Ø 16
- 10 m material hose Ø 25 with camlock coupling
- 5 m material hose Ø 25 with camlock coupling
- 1 nozzle cleaner and 1 sponge Ø 30



➡ Recommended setup for:

- Solvent-free paints

1107009 Painting kit

- Spray gun + defectors Ø5-Ø6
- 10 m material hose Ø 19 with camlock coupling
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner and 1 sponge Ø 25
- Specific couplings for hosing connection

Accessories for customized setups

SMALL 50 EVO / SMALL 50 ES EVO

Electric diaphragm compressor

➔ Recommended for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Thixotropic fiber-reinforced mortars
- Insulating plasters based on polystyrene or cork
- Fireproofing

1107543

1107546

1107508



Electric diaphragm compressor IM250
230V / 50Hz 250 l / min. 0.75 kW

Electric diaphragm compressor IM250
115 V / 60Hz 250 l / min. 0.75 kW

Electric diaphragm compressor IM250
230V / 60Hz 250 l / min. 0.75 kW

Piston compressor

➔ Recommended for:

- Adhesives for thermal insulation coatings
- Smoothing compounds for plaster
- Smoothers for decorative finishing with silicates or minerals
- Waterproofing, even fiber-reinforced
- Solvent-free paints

1107610



(Only for 230V / 50Hz versions)
Piston compressor C400
230V / 50Hz 2.2 kW

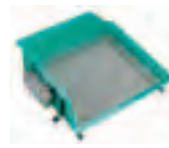
Vibrating grid

➔ Recommended for:

- Conventional plaster prepared on site

1107510

1107548



Vibrating grid 230V / 50-60Hz 0.2 kW

Vibrating grid 115V 50-60 Hz 0.2 kW

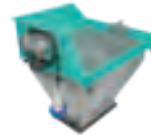
Internal vibrating hopper

➔ Recommended for:

- Tuck pointing / Spacing/grout

1107016

1107015



Internal vibrating hopper
230V / 50-60Hz 0.2 kW

Internal vibrating hopper
115V / 50-60Hz

Hopper cover

➔ Recommended for:

- Products' protection from the air and impurities during application

1107513



Hopper cover

1107515



Pressure control unit with adjustable
pressure switch 0.2-5 bar for
R2 swith board

1107503



Pneumatic wheels kit

1108007



Pressure control unit with adjustable
pressure switch 0.2-5 bar for
A1 swith board

1107512



Pressure measuring unit
with camlock coupling Ø 25M Ø 25F
0-100 bar pressure gauge

1107544



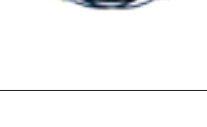
Remote control extension 15 m for
R2 swith board

1107103



Cleaning kit for Ø25 hoses with air

1108009



Remote control extension 15 m for
A1 swith board

1107545



Remote control 16 m for
R2 swith board

1107519



Kit 10 pcs sponge balls for cleaning
Ø 25 hoses

1108008



Remote control 16 m for
A1 swith board

1107520



Kit 10 pcs sponge balls for cleaning Ø 35
hoses (also hopper cap Small 50 EVO)

Accessories **SMALL 50 EVO / SMALL 50 ES EVO**

D8-1.5 Green

➔ Recommended for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Thixotropic fiber-reinforced mortars
- Insulating plasters based on polystyrene or cork
- Fireproofing

1107030



Stator D8-1.5
MONO CLAMP

1107031



Rotor D8-1.5 MONO

Pressure (bar) 15

Max. grain size (mm) 6

Flow rate (l / min) 0.8 - 14

D5-2.5 Purple

➔ Recommended for:

- Adhesives for thermal insulation coatings
- Smoothing compounds for plaster
- Skim coats for decorative finishing with silicates or minerals
- Waterproofing, even fiber
- Solvent-free paints

1107084



D5-2.5 MONO CLAMP

1107085



Rotor D5-2.5 MONO

Pressure (bar) 25

Max. grain size (mm) 3

Flow rate (l / min) 0.6-10

D4-1/2 Lemon Yellow

➔ Recommended for:

- Grouting/spicing /Tuch pointing

1107032



Stator D4-1 / 2 CLAMP

1107033



Rotor D4-1 / 2

Pressure (bar) 25

Max. grain size (mm) 3

Flow rate (l / min) 0.3- 4.5

1107540



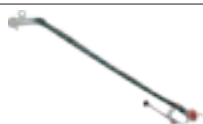
Ø 25 F spray gun for traditional /
premixed plaster with Ø14 duse

1107568



Ø 25 F spray gun with no-spreading
ball valve and air flow regulator

1107549



Ø 25 F spray gun, 1.43 m long for
fireproofing and premixed plaster

1107011



Ø 25 F spray gun for finishing coat /
filling / touch pointing / injections
without deflectors, with air flow
regulator and no-spreading ball valve

1107604



Deflector kit 5-6-8-12-16 tempered
stainless steel

1107499



Conical tube gun for spacing Ø 25
• Sectionable steel tube to obtain the
desired outlet diameter.
• No spreading ball valve

1107504
1108006



Tuch pointing gun for R2 switch board
Tuch pointing gun for A1 switch board

1107570



U-bend steel hose Ø 25

Spacer filler gun with control sensor:
On-Open / Off-Closed 24V socket

Concrete hoses with camlock connections

1107529

Material hose Ø 19 - 10 m with camlock
coupling

1107525

Material hose Ø 25 - 15 m with camlock
coupling

1107526

Material hose Ø 25 - 10 m with camlock
coupling

1107527

Material hose Ø 25 - 5 m with camlock
coupling



Quick couplings compressed air hoses

1107530

Air hose Ø 13 - 5 m with quick couplings

1107531

Air hose Ø 13 - 10 m with quick couplings

1107532

Air hose Ø 13 - 16 m with quick couplings

1107076

Air hose Ø 13 - 20 m with quick couplings



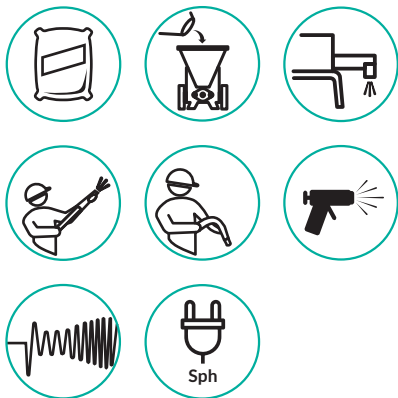
Accessories **SMALL 50 EVO / SMALL 50 ES EVO**

			 1107540	 1107011	 1107549	 1107568
1107551		10 pcs kit deflectors Ø 10 (Duse) in polyurethane for premixed plaster				
1107552		10 pcs kit deflectors Ø 12 (Duse) in polyurethane for premixed plaster				
1107553		10 pcs kit deflectors Ø 14 (Duse) in polyurethane for premixed plaster				
1107554		10 pcs kit deflectors Ø 16 (Duse) in polyurethane for premixed plaster				
1107557		5 pcs kit deflectors Ø 10 in polyurethane for traditional plaster				
1107558		5 pcs kit deflectors Ø 12 in polyurethane for traditional plaster				
1107559		5 pcs kit deflectors Ø 14 in polyurethane for traditional plaster				
1107560		5 pcs kit deflectors Ø 16 in polyurethane for traditional plaster				
1107561		Kit 3 deflectors Ø 5 hardened steel for finishing coat and decorative plaster				
1107562		Kit 3 deflectors Ø 6 hardened steel for finishing coat and decorative plaster				
1107563		Kit 3 deflectors Ø 8 hardened steel for finishing coat and decorative plaster				
1107564		Kit 3 deflectors Ø 12 hardened steel for fills deep spaces by spraying the mortar				
1107566		3 pcs kit deflectors with hose nozzle Ø 16				

S 50 Airless

High pressure eccentric screw spraying system

S 50 Airless 230V/50-60Hz Sph - 2.2 kW
1106052



A safety pressure gauge and pressure sensor are connected directly to the electrical panel for full control during work.



Useful side toolbox.

Description

Equipped with an eccentric screw pump without valves. It is a compact, light and easy to use machine.

The control panel is simple and intuitive. The exclusive IMER A1 inverter constantly monitors the pressure and automatically compensates the wear of the stator resolving differences in fluidity between one mixture and another. Homogeneous spraying is always guaranteed.

Maintenance is reduced only to the replacement of the rotor-stator unit, which can be carried out by the user directly on site.

Suitable for spraying the following products:

- Filling stuccos
- Stucco paste
- Water-based coatings
- Intumescent paints
- Washable paints
- Water repellent paints
- Anti-corrosion products

S 50 Airless is simple and versatile. The dual control and management software allows two modes of use:

- "A" mode ("Airless pump")
- "N" mode ("No Limits")

With "N" mode set, S 50 Airless has the same functionality as Small 50 EVO, but with superior performance.

Operation

The product is poured into the large hopper, sucked by the eccentric screw pumping system without valves and pushed into the pipe up to the IAG19 gun, which can be equipped with different types of nozzle to optimize spraying according to the type of material used.

The "Start & Stop" system can be operated directly from the IAG19 gun, without additional electrical cables.

It allows you to completely stop the machine at each stop and resume work simply by holding the gun.

The exclusive IMER A1 inverter allows to set the pumping speed and store the optimal operating pressure.

During use, the previously set pressure will remain constant, compensating for stator wear and small differences in fluidity between one mixture and another.

The display indicating the pump speed and operating pressure also has a diagnostic function, capable of immediately signaling any changes during use and the relative intervention methods.

Thanks to the exclusive IMER A1 inverter, the machine can work with suitably sized generators.



Practical supports for winding the hose during storage.



250 mm oversized wheels and lifting handles for easy handling.

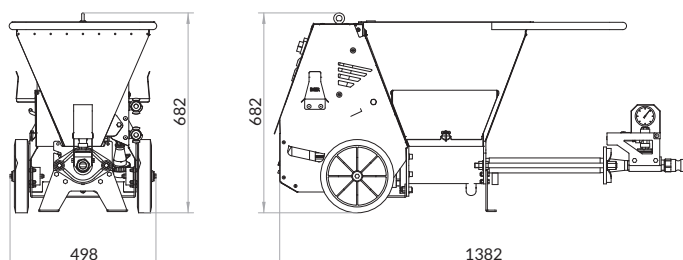
Standard Equipment

Control panel with exclusive IMER A1 self-diagnostic inverter
Spray gun IAG19
Nozzle kit
Filters for gun IAG19 Green and White
Cleaning kit for gun and nozzles
Pressure sensor
Safety pressure gauge
Lifting hook
Integrated lifting handles
50 l hopper in stainless steel
Accessory box incorporated in the frame
Stator and Rotor 4N 13S 120 bar
Airless hose 1/2" 20 m
Power cable 20 m

Technical data

		Airless
Supply	-	230V/50-60Hz
Maximum installed power	kW	2.2
Maximum absorption	A	9.5
Eccentric screw turns	rpm	37-228
Max. pressure	bar	120
Max. nozzle size	in	0.045
Maximum capacity*	l/min	8.5
Pumping distance*	m	30
Pipe nominal diameter	mm	13
Maximum pumping height*	m	30
Hopper capacity	l	50
Loading height	mm	650
Sound pressure level	dB(a)	<75
Wheel dimensions	mm	250
Dimensions width / length / h	mm	498/1382/682
Machine weight	kg	75
Packed machine dimensions width / length / h	mm	550/1250/1100
Packed machine weight	kg	120

(*) The distance, the pumping height and the flow rate of the material are characteristics subject to variations that may concern: the type of material used, the consistency of the material, the diameter of the hoses, the type of pump installed and the nozzle used.



MIGHTY SMALL 50 Plus

Multi-purpose pump and spray machine



Mighty Small 50 Plus 230V 50/60Hz Sph - 2.2 kW
1106345

Standard Equipment

Control panel with exclusive IMERA1 self-diagnostic inverter
Cable remote control
Power cable 20 m
Safety pressure gauge
D8 -1.5 Stator and Rotor (Green)
Hose manifold Ø 35 Female
Camlock coupling reduction Ø 35M - Ø 25 M
Lifting hook
Integrated lifting handles
50 l hopper in stainless steel
Accessory box incorporated in the frame

It can be used in combination with any type of external mixer:

- Planetary mixer series "MIX"
- Continuous mixer "SPIN" series
- Concrete mixer series "SYNTESI", "MINIBETA" or "RIOBETA"

Technical data

		No Limits
Supply	-	230V 50-60 Hz
Gearmotor	kW	2.2
Maximum absorption	A	9.5
Eccentric screw turns	rpm	37-320
Pressure (based on stator)	bar	15-25
Grain size (based on stator)*	mm	3 - 6
Maximum flow (based on stator)*	l/min	1.2 - 26
Pumping distance	m	35
Pipe nominal diameter	mm	25-35
Maximum pumping height*	m	20
Hopper capacity	l	50
Loading height	mm	650
Sound pressure level	dB(a)	<76
Wheel dimensions	mm	250
Dimensions width / length / h	mm	504/1184/682
Machine weight	kg	75
Packaging dimensions width / length / h	mm	550/1250/1100
Packed machine weight	kg	120

(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency, the type of stator / rotor installed and the size of the pipe used.

Recommended setups for specific uses

S 50 Airless mode "N" Mighty Small 50 Plus



1106052 S 50 Airless
230V 50-60Hz
2.2 kW

N1

➔ Recommended for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime (without vibrating grid)
- Premixed / pre-dosed structural plasters (without vibrating grid)
- Premixed / pre-dosed restorative plasters (without vibrating grid)
- Fiber-reinforced reinforcement mortars (without vibrating grid)
- Insulating plasters based on polystyrene or cork (without vibrating grid)
- Fireproofing (without vibrating grid)
- Grouting (without compressor and spray gun)

1107577 Ø 35 M spray gun for traditional plasters / premixed / stucco
1107543 IM250 compressor 230V/50 Hz
1107508 Electric diaphragm compressor IM250, 230V 60Hz 250 l / min. 0.75 kW
1107510 Vibrating grid 230V/50-60 Hz 0.2 kW
1107528 Material hose Ø 35 - 10 m with camlock coupling
1107531 Air hose Ø 13 - 10 m with quick couplings
1107030 Stator D8-1.5 (green)
1107031 Rotor D8-1.5 (green)
1107520 10 pieces sponge kit for cleaning hose Ø 35

Maximum installed power	kW	3
Maximum grain size	mm	6
Max pressure	bar	15
Maximum material flow*	l/min	26
Pumping distance*	m	35
Maximum pumping height*	m	20
Hose diameter	mm	35

(*) The values indicated are subject to variations based on the characteristics of the materials used, the consistency and their grain size.

Recommended setups for specific uses

S 50 Airless mode "N" Mighty Small 50 Plus



1106052 S 50 Airless
230V/50-60Hz
2.2 kW

N2

➔ Recommended for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime (without vibrating grid)
- Premixed / pre-dosed structural plasters (without vibrating grid)
- Premixed / pre-dosed restorative plasters (without vibrating grid)
- Fiber-reinforced reinforcement mortars (without vibrating grid)
- Insulating plasters based on polystyrene or cork (without vibrating grid)
- Fireproofing (without vibrating grid)
- Grouting (without compressor and spray gun)

1107540 Ø 25 F spray gun for traditional /premixed plaster with Ø14 duse

1107543 IM250 compressor 230V/50Hz

1107508 Electric diaphragm compressor IM250 230V/60 Hz 250 l / min. 0.75 kW

1107510 Vibrating grid 230V/50 - 60 Hz 0.2 kW

1107525 Material hose Ø 25 - 15 m with camlock coupling

1107532 Air hose Ø 13 - 16 m with quick couplings

1107084 Stator D5-2.5 Clamp (Purple)

1107085 Rotor D8 1.5 mono (Purple)

1107519 Kit 10 pcs sponge balls for cleaning Ø 25 hoses

Maximum installed power	kW	3
Maximum grain size	mm	3
Max pressure	bar	25
Maximum material flow*	l/min	17
Pumping distance*	m	25
Maximum pumping height*	m	15
Hose diameter	mm	25

(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency and grain size.



1106052 S 50 Airless
230V/50-60Hz - 2.2 kW

N3

➔ Recommended setup for:

- Adhesives for thermal insulation coatings
- Smoothing compounds for plaster
- Waterproofing
- Smoothers for decorative finishing with silicates or other minerals

Maximum installed power 4.4 kW

1107010 Smoothing and grouting kit

- Spray gun
- 1 set of deflectors Ø5-Ø6-Ø8-Ø12 mm
- 1 deflector with hose connection Ø16
- 10 + 5 m material hose Ø 25 with camlock coupling
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner and 1 sponge Ø 30



1107610 (Only for 230V / 50Hz versions)
C400 piston compressor
230V / 50Hz 2.2 kW



1107513 Hopper cover



1108008 Remote control 16 m
for A1 switchboard



1107084 Stator D5-2.5 MONO CLAMP
• Color: purple
• Maximum grain size 3 mm
• Flow rate (l / min) 2.3 - 17
• Pressure 25 bar



1107085 Rotor D5-2.5
PURPLE



1106052 S 50 Airless
230V/50-60Hz - 2.2 kW

N4

➔ Recommended setup for:

Pressure-controlled consolidation injections

Maximum installed power 2.2 kW

1108005 Injection kit for A1 switchboard

- Pressure meter and pressure switch unit
- Reduction M. 1" F. 3/4" in brass
- Small 50 gun with 1 deflector hose connection Ø 16
- 10 m material hose Ø 25 with camlock coupling
- 5 m material hose Ø 25 with camlock coupling
- 1 nozzle cleaner and 1 sponge Ø 30



1108008 Remote control 16 m
for A1 switchboard



1107084 Stator D5-2.5 MONO CLAMP
• Color: purple
• Maximum grain size 3 mm
• Flow rate (l / min) 2.3 - 17
• Pressure 25 bar










1107085 Rotor D5-2.5
PURPLE



Recommended setups for specific uses

S 50 Airless mode “N” Mighty Small 50 Plus

	1106052 S 50 Airless 230V/50-60Hz - 2.2 kW	N5	<p>➡ Recommended setup for: Mortars for grouts / Spacing / tuch pointing</p> <p>Maximum installed power 2.4 kW</p>		
1108008 	Remote control 16 m for A1 switchboard	1107499 	Conical tube gun for spacing Ø 25 • Sectionable steel tube to obtain the desired outlet diameter. • No spreading ball valve	1107525 	Material hose Ø 25 - 15 m with camlock coupling
1107016 	Internal vibrating hopper 230V/50-60Hz	1107032 	Stator D4-1 / 2 CLAMP • Color: lemon yellow • Pressure (bar) 25 • Maximum grain size (mm) 3 • Flow rate (l / min) 1.2 - 9	1107033 	Rotor D4-1 / 2 LEMON YELLOW

Accessories S 50 Airless | mode “A”

1107220	 Stator 4N13S Orange	1107644	Nozzle 617 (paints)
1107221	 Rotor 4N13S	1107645	Nozzle 619 (paints)
1107643	 IAG19 gun without nozzles	1107646	Nozzle 531 (stuccos)
1107658	 IAG19 gun cleaning kit Needles for nozzles and brush for gun cleaning	1107647	Nozzle 543 (stuccos)
1107650	 10 pcs kit green filter for nozzles 252, 335, 543, 531 (stuccos)	1107648	Nozzle 252 (stuccos)
1107651	 10 pcs kit white filter for nozzles 617/619 (paints)	1107649	Nozzle 335 (stuccos)
		1107652	 Ring for 7/8" thread nozzle
		1107653	 1/2" airless hose 10 m
		1107654	 1/2" airless hose 20 m

BASIC KIT for use in “N” mode

1107663		Accessory kit for series “D” stators application on S 50 Airless Essential to use all the kits available for the “S 50 No Limits” mode <ul style="list-style-type: none"> • Material outlet flange with camlock connection Ø35 F • Pressure gauge unit for Ø 35 pipes Camlock fitting Ø 35F / Ø 35M • Flange tie rods • Small 50 EVO transmission rod • Camlock adapter Ø35 Ø25 FF
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A



➔ Recommended setup for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Thixotropic fiber-reinforced mortars for reinforcement
- Insulating plasters based on polystyrene or cork
- Fireproofing

Premixed / traditional mortar kit

- Spray gun
- Deflectors Ø 12 for traditional mortar
- Deflectors Ø 10-14 for premixed products
- 15 m material hose Ø 25 with camlock coupling
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner
- 1 sponge Ø 30

1107005

B



➔ Recommended setup for:

- Mortars for grouting /spacing
- Adhesives for thermal insulation coatings
- Smoothing compounds for plaster
- Smoothers for decorative finishing with silicates or others minerals
- Waterproofing
- Solvent-free paints

Smoothing and grouting kits

- Spray gun
- 1 set of deflectors Ø5-Ø6-Ø8-Ø12 mm
- 1 deflector with hose connection Ø16
- 10 + 5 m material hose Ø 25 with cam camlock coupling
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner and 1 sponge Ø 30

1107010

C



➔ Recommended setup for:

- Binders / mortars for consolidation injections at controlled pressure

Injection kit for A1 switchboard

- Pressure control group with adjustable pressure switch 0.5-5 bar
- Small 50 gun with 1 deflector Ø 16
- 10 m material hose Ø 25 with cam camlock coupling
- 5 m material hose Ø 25 with cam camlock coupling
- 1 nozzle cleaner and 1 sponge Ø 30

1108005

D



➔ Recommended setup for:

- Solvent-free paints

Painting kit

- Spray gun + deflectors Ø5-Ø6
- 10 m material hose Ø 19 with camlock coupling
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner and 1 sponge Ø 25
- Specific couplings for piping connection

1107009

Electric diaphragm compressor

➔ Recommended for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Thixotropic fiber-reinforced mortars for reinforcement
- Insulating plasters based on polystyrene or cork
- Fire proofing mortars

1107543



IM250 electric membrane compressor
230V / 50 Hz 250 l / min. 0.75 kW

1107508

IM 250 electric membrane compressor
230V 60 Hz

Piston compressor

➔ Recommended for:

- Adhesives for thermal insulation coatings
- Smoothing compounds for plaster
- Smoothers for decorative finishing with silicates or minerals
- Waterproofing, seal even fiber-reinforced
- Solvent-free paints

1107610



(Only for 230V / 50Hz versions)
Piston compressor C400
230V / 50 Hz 2.2 kW

Vibrating grid

➔ Recommended for:

- Traditional products packed on site

1107510



Vibrating grid 230V / 50-60 Hz 0.2 kW

Internal vibrating hopper

➔ Recommended for:

- Mortars for grouts / stuccos

1107016



Internal vibrating hopper
230V / 50-60 Hz 0.2 kW

Hopper cover

➔ Recommended for:

- Products' protection from the air during application

1107513



Hopper cover

1108007



Pressure control unit with adjustable
pressure switch 0.2-5 bar for
A1 switchboard

1107503



Pneumatic wheels kit

1108009



15 m remote control extension for
A1 switchboard

1107512



Pressure measuring unit
with camlock coupling Ø 25M Ø 25F
0-100 bar pressure gauge

1108008



Remote control 16 m for
A1 switchboard

1107103



Hoses cleaning kit Ø25 with air

1107519



Kit 10 pcs sponge balls for cleaning Ø 25
hoses

1107520



Kit 10 pcs sponge balls for cleaning Ø 35
hoses

Concrete hoses with camlock connections

1107529



Material hose Ø 19 - 10 m with
camlock coupling

1107525



Material hose Ø 25 - 15 m with
camlock coupling

1107526



Material hose Ø 25 - 10 m with
camlock coupling

1107527



Material hose Ø 25 - 5 m with
camlock coupling

1107528



Material hose Ø 35 - 10 m with
camlock coupling

Quick connection compressed air hoses

1107530



Air hose Ø 13 - 5 m with quick couplings

1107531



Air hose Ø 13 - 10 m with quick
couplings

1107532



Air hose Ø 13 - 16 m with quick
couplings

1107076



Air hose Ø 13 - 20 m with quick
couplings

1107540



Ø 25 F spray gun for traditional /
premixed plaster with Ø14 duse

1107568



Ø 25 F spray gun with no-spreading ball
valve and air flow regulator

1107549



Ø 25 F spray gun, 1.43 m long for
fireproofing and premixed plaster

1107011



Ø 25 F spray gun for finishing coat /
filling / touch pointing / injections
without deflectors, with air flow
regulator and no-spreading ball valve

1107604



Deflector kit 5-6-8-12-16 tempered
stainless steel

1107499



Conical tube gun for spacing Ø 25
• Sectionable steel tube to obtain the
desired outlet diameter.
• No spreading ball valve

1108006








Tuch pointing gun for A1 switch board
with control sensor: On-Open /
Off-Closed 24V socket

1107570



U bend steel pipe Ø 25

						
1107551		10 pcs kit deflectors Ø 10 (Duse) in polyurethane for premixed plaster	✓		✓	✓
1107552		10 pcs kit deflectors Ø 12 (Duse) in polyurethane for premixed plaster	✓		✓	✓
1107553		10 pcs kit deflectors Ø 14 (Duse) in polyurethane for premixed plaster	✓		✓	✓
1107554		10 pcs kit deflectors Ø 16 (Duse) in polyurethane for premixed plaster	✓		✓	✓
1107557		5 pcs kit deflectors Ø 10 in polyurethane for traditional plaster	✓			✓
1107558		5 pcs kit deflectors Ø 12 in polyurethane for traditional plaster	✓			✓
1107559		5 pcs kit deflectors Ø 14 in polyurethane for traditional plaster	✓			✓
1107560		5 pcs kit deflectors Ø 16 in polyurethane for traditional plaster	✓			✓
1107561		Kit 3 deflectors Ø 5 hardened steel for finishing coat and decorative plaster		✓		
1107562		Kit 3 deflectors Ø 6 hardened steel for finishing coat and decorative plaster		✓		
1107563		Kit 3 deflectors Ø 8 hardened steel for finishing coat and decorative plaster		✓		
1107564		Kit 3 deflectors Ø 12 hardened steel for fills deep spaces by spraying the mortar		✓		

D8-1.5 Green

➔ Recommended for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement and lime
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Thixotropic fiber-reinforced mortars
- Insulating plasters based on polystyrene or cork
- Fireproofing

Pressure (bar) 15**Maximum grain size (mm) 6****Flow rate (l / min) 4 - 26****1107030**Stator D8-1.5
MONO CLAMP**1107031**

Rotor D8-1.5 MONO

D5-2.5 Purple

➔ Recommended for:

- Adhesives for thermal insulation coatings
- Smoothing compounds for plaster
- Skim coats for decorative finishing
- Waterproofing, even fiber-reinforced
- Solvent-free paints

Pressure (bar) 25**Maximum grain size (mm) 3****Flow rate (l / min) 2.3 - 17****1107084**Stator D5-2.5
MONO CLAMP**1107085**

Rotor D5-2.5 MONO

D4-1/2 Lemon Yellow

➔ Recommended for:

- Grouting / Tuck pointing / Spacing

Pressure (bar) 25**Maximum grain size (mm) 3****Flow rate (l / min) 1.2 - 9****1107032**

Stator D4-1/2 CLAMP

1107033

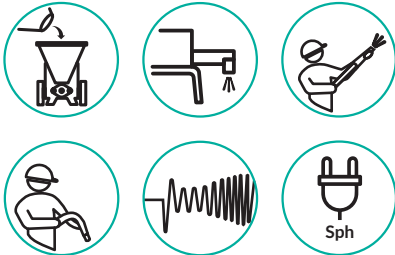
Rotor D4-1/2

STEP 120 single-phase

Eccentric screw mortar pump

Step 120 230V / 50Hz Sph 2.2 kW
1106090

Planetary mixer 230V / 50Hz Sph 1.4 kW
1107572



IM250 compressor integrated in the machine and protected by the cover, easily accessible for the maintenance of the air filters.



Generously sized agitator shaft located inside the hopper. It allows to move the material when the machine starts working again after a long stop with the material inside, preventing segregation.

Description

The single-phase Step 120 mortar pump is the right solution for spraying or pumping mortars in small or medium-sized construction sites. Equipped with the exclusive IMER IM25L pumping unit, capable of satisfying most of the pumping and spraying needs of different types of material.

It is suitable for pumping or spraying:

- Traditional lime / cement plasters (Standard version)
- premixed / pre-dosed cement / lime based plasters (also colored)
- premixed / pre-dosed structural plasters
- premixed / pre-dosed restorative plasters
- Insulating plasters based on polystyrene or cork
- Mortars for reinforcement with metal / polypropylene / carbon / glass fibers
- Masonry mortars
- Binders / mortars for consolidation injections
- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds
- Fireproofing
- Refractory mortars (wet only)
- Mortars for fill core grout or grouting
- Adhesives for thermal insulation coatings (only for large surfaces)
- Waterproofing sealer (only large surface)

The low loading height of the hopper allows it to be filled by any type of external mixer:

- Planetary mixer series "MIX"
- Continuous mixer "SPIN 30"
- Concrete mixer series "SYNTESI"

For greater compactness and ease of handling, the planetary mixer may be integrated into the machine.

Operation

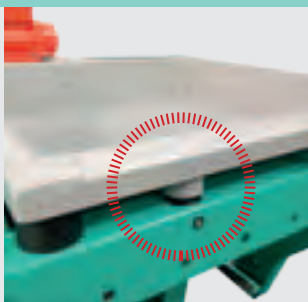
The mixture prepared in the mixer is poured directly into the hopper through a vibrating grid that filters out any big size stones. The material is sucked by the eccentric screw pump and pushed into the hose until it reaches the opposite end where the spray gun is located.

With the help of the air supplied by the standard integrated compressor, the material is projected through the gun onto the application area.

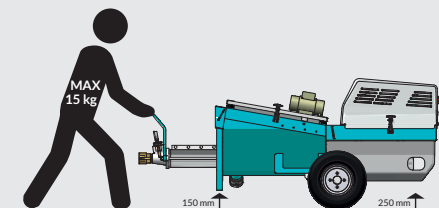
Different accessories can be connected to the hose for spraying the products or devices for controlled pressure injections, or the machine can be used simply "with an open hose" for the pouring of self-levelling or filling products.

The exclusive IMER R2 inverter allows to set the pumping speed, adapting the machine to the different needs of use. Step 120 is also equipped with a diagnostic display, capable of immediately signaling any anomalies during use and the relative intervention methods.

The IMER R2 inverter allows the machine to work with suitably sized generators.



Extremely reliable
hopper opening safety
sensor, with light signal
in the control panel when
the grid is removed.



Extremely handy and light.
Easy to move on construction
sites thanks to the considerable
ground clearance in the
displacement position.
15 kg (with mixer on board) is
the maximum weight it reaches
when the operator moves it to
the construction site.

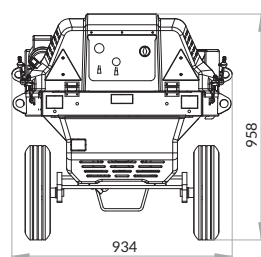
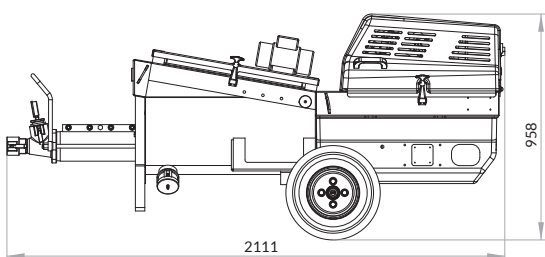
Standard equipment (Cod. 1106090 230V/50Hz)

Electric control panel with exclusive "IMER R2" inverter
IM25L stator and rotor
Gun for traditional / premixed plaster Ø35
Vibrating grid passage 6 mm
Compressor 250 l / min.
30 m (20 + 10) Ø 35 material hose
Air hose 31 m Ø 13
Accessory box
Accessory for cleaning material hose with air or water
Power cable 20 m
Remote control predisposition
Ø 50 hose connection (Ø35 adapter in the hose)

Technical data

Version	-	with mixer	without mixer
Motor power	kW	2.2	2.2
Mixer motor power	kW	1.4	-
Electric compressor	-	0.75 kW - 250 l/min	0.75 kW - 250 l/min
Grain size (IM25L and 35 mm hoses)	mm	8	8
Flow rate *	l/min	from 4 to 20	from 4 to 20
Pumping distance *	m	40	40
Pumping height *	m	20	20
Hopper capacity	l	120	120
Hopper loading height	mm	-	626
Mixer capacity	l	120	-
Mixer loading height	mm	1230	-
Dimensions width / length / h	mm	934/2111/1273	934/2111/958
Machine weight	kg	404	280
Packed machine dimensions width/length/h	mm	1000/2000/1600	1000/2000/1100
Packed machine weight	kg	460	340

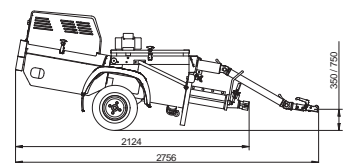
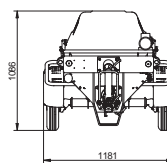
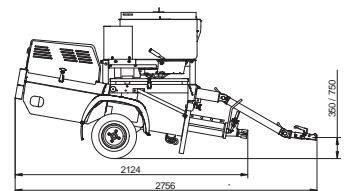
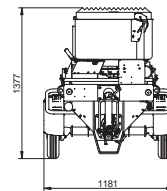
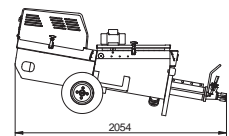
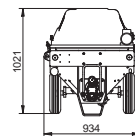
(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency, the type of stator / rotor installed and the size of the hose used.



	230V 50Hz Sph	230V 50Hz Sph	230V 50Hz Sph	230V 50/60Hz Sph	230V 50/60Hz Sph	230V 60Hz Sph	230V 60Hz Sph	230V 60Hz Sph
	1106090	1106075	1106077	1106056	1106180	1106098	1106097	1106099
	STEP 120 STD	STEP 120 GR	STEP 120 GRM	STEP 120	STEP 120 UP	STEP UP 120	STEP 120	STEP 120M LA
	Standard	Standard towable	Standard Towable with mixer	Premix Grouting	Basis for customizations	Standard Towable with mixer	Standard	Long distances pumping with mixer
Planetary mixer			✓			✓		✓
Predisposition for optional planetary mixer	✓			✓	✓		✓	
Towable on the road (European approval)		✓	✓		✓	✓		
Rigid axle and solid rubber wheels	✓			✓			✓	✓
Vibrating sieve	✓	✓	✓			✓	✓	✓
Grid for premixed materials				✓	✓			
IM25L pumping unit	✓	✓	✓	✓	✓	✓	✓	✓
IM 250 membrane air compressor	✓	✓	✓			✓	✓	✓
Predisposition for optional IM250 membrane air compressor				Only 60 Hz	✓		Only 60 Hz	
Spray gun Ø 35	✓	✓	✓			✓	✓	✓
Flat duse Ø12 and Ø14	✓	✓	✓			✓	✓	✓
Conical deflectors Ø 14 and Ø 16	✓	✓	✓			✓	✓	✓
Ø13 air hose with quick couplings	20m + 10m	20m + 10m	20m + 10m			20m + 10m	20m + 10m	20m +20m
Ø35 material hose with MF cam fittings	20m + 10m	20m + 10m	20m + 10m	20m + 10m	10m	20m + 10m	20m +10m	20m
Ø50 material hose with MF cam fittings								10m+10m
Conical reduction with cam connection Ø50M - Ø35F					✓	✓		
Sponge ball for washing hoses Ø 35	✓	✓	✓	✓	✓	✓	✓	✓
Sponge ball for washing hoses Ø50								✓
Wired remote control L 37m				✓				
Predisposition for wired remote control	✓	✓	✓	✓	✓	✓	✓	✓
Electric control panel with Inverter R2	✓	✓	✓	✓	✓	✓	✓	✓
Electric power cable L20 m	✓	✓	✓	✓	✓	✓	✓	✓
2.2kW electric motor	✓	✓	✓	✓	✓	✓	✓	✓
Hose support band	✓	✓	✓	✓	✓	✓	✓	✓
Hoses cleaning accessory with compressed air or water	✓	✓	✓	✓	✓	✓	✓	✓
Accessory box	✓	✓	✓	✓	✓	✓	✓	✓
Hopper / Mixer loading height (mm)	700	1377	700	700	1377	1377	700	1377
Dimensions width / length / height (mm)	934/2054/1021	1181/2124/1086	1181/2124/1377	934/2054/1021	1181/2124/1086	1181/2124/1377	934/2054/1021	934/2054/1300
Machine weight (Kg)	280	290	400	240	250	400	280	390

STEP 120 Road Towing

European approval



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		Step 120 Towable on the road	
Towing ball hitch Ak 160b	mm/inc	50 - 2	50 - 2
Tubless Tires	Inc	4.8/4.00-8	4.8/4.00-8
Maximum speed limit	Km/h	130	130
Lighting system power supply	Volts	12 - 13.8	12 - 13.8
Car trailer round connection 7 pin	D/mm	36	36
Hopper / Mixer loading height	mm	1377	700
Dimensions width / length / height	mm	1181/2124/1377	1181/2124/1086
Machine weight	Kg	400	290
Packed machine dimensions width/length/height	mm	1181/1195/1650	1181/1195/1050
Packed machine weight	Kg	460	350

WEIGHT AND MEASURES STEP 120 PACKED

Code	Model	Packed machine weight	Packed machine dimensions width/length/height (mm)
1106090	STEP 120 230V 50Hz Sph	340 kg	934 / 1650 / 1100
1106075	STEP 120 GR 230V 50Hz Sph	350 kg	1181 / 1995 / 1100
1106077	STEP 120 GRM 230V 50Hz Sph	460 kg	1181 / 1995 / 1650
1106056	STEP 120 230V 50/60Hz Sph	289 kg	934 / 1650 / 1100
1106088	STEP 120F 230V 50/60Hz Sph	292 kg	934 / 1650 / 1100
1106098	STEP UP 120 230V 60Hz Sph	460 kg	1181 / 1995 / 1650
1106097	STEP 120 230V 60Hz Sph	340 kg	934 / 1650 / 1100
1106180	STEP 120 UP 230V 60Hz Sph	305 kg	1181 / 1995 / 1100
1106099	STEP 120M LA 230V 60Hz Sph	490 kg	934 / 1650 / 1600

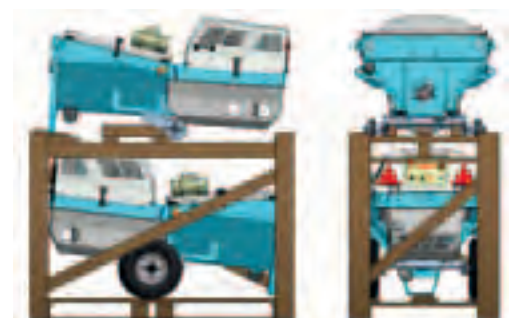
Please note: weights estimated with a tolerance of 5%.

Wood crate for superposing No.2 Step 120 without mixer

Dimensions of the wooden case Width / Length / height	(mm)	1250 / 1750 / 1000
Weight of the wooden crate	Kg	100
Packaging dimensions Width / Length / height	(mm)	2030 / 1750 / 1000
Packaging weight	Kg	According to the model

Can be used with the following STEP 120 models

1106090	STEP 120 230V 50Hz Sph	1106088	STEP 120F 230V 50/60Hz Sph
1106056	STEP 120 230V 50/60Hz Sph	1106097	STEP 120 230V 60Hz Sph



Optional accessories for customized setups **STEP 120** single-phase

For mixing all pumpable products with the Step 120 single-phase

1107572



Single-phase mixer 230V / 50Hz 1.4 kW

1107596

Single-phase mixer 230V / 60Hz 1.4 kW

Particularly suitable for mixing:

- Adhesives for thermal insulation coatings
- Waterproofing (only for large surfaces)
- Mortars for protecting metal structures from fire
- Binders / mortars for consolidation injections

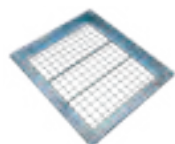
1107618



Mixer rubber paddles

To be used with all pre-dosed or premixed products. Indispensable in the case of fiber reinforced products

1107569



Premixed grid

For open hose pumping or controlled pressure injections

1107544



Remote control extension 37 m

Binders / mortars for automatically controlled pressure injections from 0.5 to 5 bar

1107594



- Injection device kit 230V / 400V
- Pressure meter + pressure switch unit
 - Ø 25 Gun with no spreading valve
 - 1 deflector with hose connector Ø 16
 - 5 m Ø 25 material hose with Camlock coupling
 - 1 nozzle cleaner
 - 1 washing sponge for hose Ø 25
 - Material hose (m 5) with coupling Ø 25 Ø 35
 - Electric remote control with 16 m cable
 - Remote control extension (m 15)

Exclusive accessory for customizing only Step 120 230V 1106180 and 1106056 at 60Hz
- Spray mortar applications

1107602



Kit Air membrane compressor IM250
230V / 60Hz Sph

Setups for specific applications **STEP 120** single-phase



- Adhesives for thermal insulation coatings
- Waterproofing and smoothing compounds (only for large surfaces)
- Mortars for grouting stone masonry (deep spraying with air)

1107074 Hose Ø 25 5m M35M25 (gun adapter Ø25)

1107574 Remote control On / Off 37m

1107011 Ø 25 F spray gun for finishing coat / spacing / touch pointing

1107604 Deflector kit for finishing coat / spacing / touch pointing

1107569 Premixed grid (use only for premixed or pre-dosed products)

1107519 10 pieces sponge kit for cleaning hose Ø 25



- Mortars for spacing

1107074 Hose Ø 25 5m M35M25 (gun adapter Ø25)

1107574 Remote control On / Off 37m

1107499 Conical tube gun for spacing Ø 25
 • Sectionable steel tube to obtain the desired outlet diameter.
 • No spreading ball valve

1107519 10 pieces sponge kit for cleaning hose Ø 25



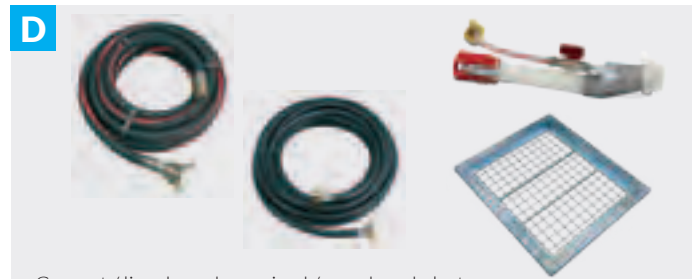
- Core fill grout (Block wall filling system)

1107074 Hose Ø 25 5m M35M25 (gun adapter Ø25)

1107574 Remote control On / Off 37m

1107570 U bend steel hose ø 25

1107519 10 pieces sponge kit for cleaning hose Ø 25



- Cement / lime based premixed / pre-dosed plasters

1107074 Hose Ø 25 5m M35M25 (gun adapter Ø25)

1107530 Air hose 5m Ø 13 mm

1107540 Ø 25 F spray gun for traditional /premixed plaster with Ø14 duse

1107569 Premixed grid (use only for premixed or pre-dosed products)

1107519 10 pieces sponge kit for cleaning hose Ø 25



- premixed / pre-dosed plasters based on cement / lime / Colored plaster

1107074 Hose Ø 25 5m M35M25 (gun adapter Ø25)

1107530 Air hose Ø 13 - 5 m with quick couplings

1107568 Ø 25F spraying gun with no spreading ball valve and air flow regulator to create particular "textured" effects

1107569 Premixed grid (use only for premixed or pre-dosed products)

1107519 10 pieces sponge kit for cleaning hose Ø 25



- Fireproofing
- Cement / lime based premixed / pre-dosed plasters

1107074 Hose Ø 25 5m M35M25 (gun adapter Ø25)

1107530 Air hose Ø 13 - 5 m with quick couplings

1107549 Elongated gun Ø25 1.43 m with No spreading ball valve and air flow control

1107569 Premixed grid (use only for premixed or pre-dosed products)

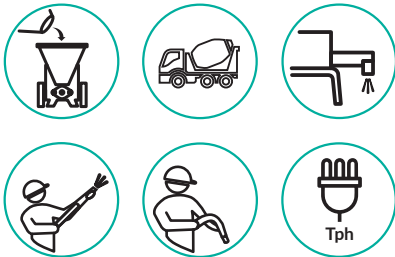
1107519 10 pieces sponge kit for cleaning hose Ø 25

STEP 120 three-phase

Eccentric screw mortar pump

Step 120 400V / 50Hz Tph 2 speed - 3.6 / 4.8 kW
1106091

Planetary mixer 400V / 50Hz Tph 1.1 kW
1107573



C310 piston compressor, integrated and protected under the cover. Electrically excludable via On / Off button, when not needed.



The generous sized agitator shaft located inside the hopper allows the material to move when the machine starts working again after a long stop with the material inside, preventing segregation.

Description

The three-phase Step 120 mortar pump is engineered to handle multiple applications. It is suitable for pumping or spraying:

- Traditional lime / cement plasters (Standard version)
- premixed / pre-dosed cement / lime based plasters (also colored)
- premixed / pre-dosed structural plasters
- premixed / pre-dosed restorative plasters
- Insulating plasters based on polystyrene or cork
- Mortars for fiber-reinforced
- Masonry mortar
- Binders / mortars for consolidation injections
- Filling betons with metal fibers / polypropylene / carbon / glass
- Fiber-reinforced concrete (grain size max. 12 mm)
- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds
- Fireproofing
- Refractory mortars (only for wet application)
- Mortar for fill core grout or grouting (max grain size 12 mm)
- Fiber-reinforced concrete (max grain size 12 mm)
- Self-levelling screeds with a maximum flow rate of 6 mc / h
- Shotcrete until 12 mm grain size

The low loading height of the hopper allows it to be load by any type of external mixer:

- Planetary mixer series "MIX"
- Continuous mixer "SPIN 30"
- Concrete mixer series "SYNTESI"

For greater compactness and ease of handling, the planetary mixer to be integrated into the machine is available as an accessory.

Operation

The mixture prepared in the mixer is poured directly into the hopper through a vibrating grid that filters out any inert material of excessive size. The material is sucked by the eccentric screw pump and pushed into the hose until it reaches the opposite end where the spray gun is located.

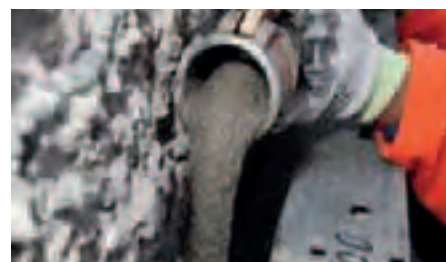
The air is provided by the standard integrated compressor projects the material through the gun onto the application area. The machine can be started and stopped directly via the air tap located on the spray gun.

In the case of filling mortars / grouts or self-levelling screeds, "open hose" is used. For these applications, the On / Off wired remote control is available as an optional accessory.

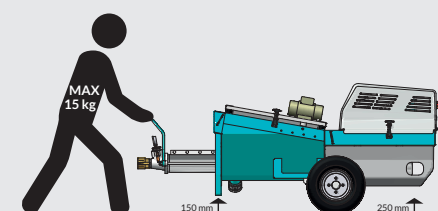
Equipped with an exclusive IMER IM25L pumping unit capable of satisfying most pumping and spraying needs. It can be further optimized for specific needs, due to a wide range of optional accessories.

Step 120 three-phase offers two pumping speeds to adapt the pump to different applications.

In some applications where the quantities of material to be pumped are significant, the machine can be equipped with a high-performance pumping unit and loaded directly by a concrete mixer or dumper.



Essential electrical panel with rotation direction selector, double speed selector of the eccentric screw and missing grid warning light and power line presence.



Extremely handy and light. Easy to move on construction sites thanks to the considerable ground clearance in the displacement position. 15 kg (with mixer on board) is the maximum weight it reaches when the operator moves it to the construction site.

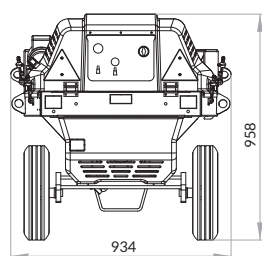
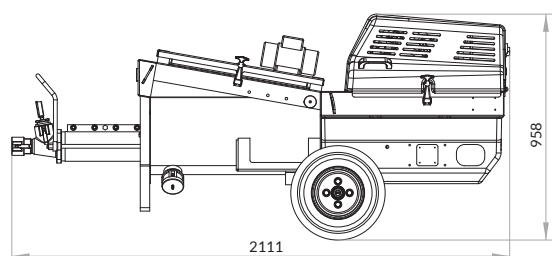
Standard equipment (Cod. 1106091 400V/50Hz)

Power supply panel
IM25L stator and rotor
Gun for traditional / premixed plaster
Vibrating grid
Compressor 310 l / min.
30 m (20 + 10) Ø 35 material hose
Air hose 31 m Ø 13
Accessory box
Accessory for cleaning material hose by air or water
Power cable 20 m
Remote control predisposition
Ø 50 hose connection (Ø35 adapter in the hose)

Technical data

Version	-	with mixer	without mixer
Motor power	kW	3.6 to 1 speed/4.8 to 2 speeds	3.6 to 1 speed/4.8 to 2 speeds
Mixer motor power	kW	1.1	-
Electric piston compressor	-	2.2 kW - 310 l/min	2.2 kW - 310 l/min
Grain size (IM 25L)*	mm	8	8
Flow rate*	l/min	17/35	17/35
Maximum pumping distance*	m	60	60
Maximum pumping height*	m	20	20
Hopper capacity	l	120	120
Hopper loading height	mm	-	626
Mixer capacity	l	120	-
Mixer loading height	mm	1230	-
Dimensions width / length / h	mm	934/2111/1273	934/2111/958
Machine weight	kg	404	280
Packed machine dimensions width / length / h	mm	1000/2000/1600	1000/2000/1100
Packed machine weight	kg	460	340

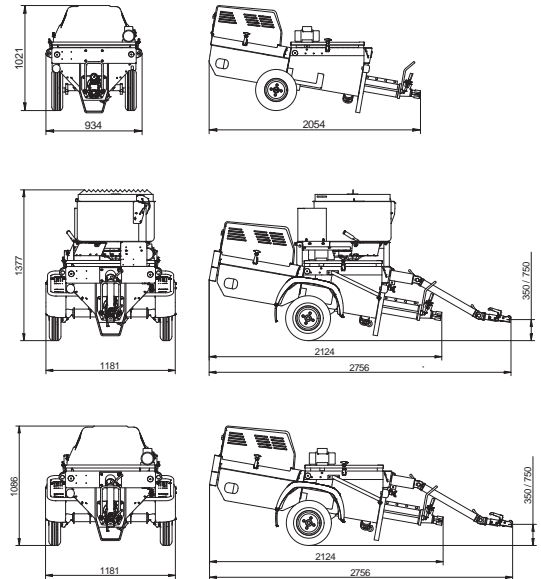
(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency, the type of stator / rotor installed and the size of the hose used.



	230V60Hz Tph	230V60Hz Tph	230V60Hz Tph	400V 60Hz Tph	400V50Hz Tph	400V50Hz Tph	400V50Hz Tph	400V50Hz Tph	400V50Hz Tph	400V50Hz Tph
	1106181	1106086	1106055	1106087	1106091	1106089	1106074	1106057	1106176	1106044
	STEP UP	STEP UP	STEP 120 R+M	STEP 120	STEP 120	STEP 120 F	STEP 120	STEP 120 Grouting	STEP 120 FPROOF	STEP 120 GRM
	Basis for customizations	Standard	Standard Towable with mixer	Standard	Standard	Conventional Mortar long distance pumping	Conventional Grouting	Premix Grouting Hi Flow	Fireproofing	Standard Towable with mixer
Planetary mixer			✓						✓	✓
Predisposition for optional planetary mixer		✓		✓	✓	✓	✓	✓		
Towable on road (European approval)	✓		✓							✓
Rigid axle and solid rubber wheels		✓		✓	✓	✓	✓	✓	✓	
Vibrating sieve		✓		✓	✓	✓	✓			✓
Grid for premixed materials	✓		✓					✓	✓	
IM25L pumping unit	✓	✓	✓	✓	✓	✓	✓		✓	✓
60.12 / 2L74 pumping unit (4.5Mc/h)								✓		
310 l/min Air piston compressor		✓	✓	✓	✓	✓			✓	✓
Predisposition for optional 310 l/min piston air compressor	✓									
Spray gun Ø 35		✓	✓	✓	✓	✓				✓
Spray gun Ø 25, 143m long with anti- spreading valve and air flow control.									✓	
Flat duse Ø12 and Ø14		✓	✓	✓	✓	✓			✓	✓
Conical deflectors Ø 14 and Ø 16		✓	✓	✓	✓	✓			✓	✓
Ø13 air hose with quick couplings		20m + 10m	20m+10m	20m + 10m	20m + 10m	20m+10m			20m+10m +5m	20m + 10m
Ø25 material hose with Ø35M - Ø25M fittings L5m									✓	
Ø35 material hose with MF cam fittings	10m	20m + 10m	10m+10m+10m	20m + 10m	20m + 10m	20m	20m + 10m		20m + 10m	20m + 10m
Ø50 material hose with MF cam fittings						10m		20m + 10m		
Conical reduction with cam connection Ø50M - Ø35F	✓	✓	✓							
Sponge ball for washing hoses Ø 35	✓	✓	✓	✓	✓	✓	✓		✓	✓
Sponge ball for washing hoses Ø50						✓		✓		
Wired remote control L 37m							✓	✓		
Predisposition for wired remote control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Electric box with control panel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Electric power cable L20 m	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Electric motor 3,6/4,8 kw	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hose support band	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hoses cleaning accessory with compressed air or water	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Accessory box	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hopper loading height (mm)	700	700	1377	700	700	700	700	700	1377	1377
Dimensions width / length / height (mm)	1181/2124/1086	934/2054/1021	1181/2124/1377	934/2054/1021	934/2054/1021	934/2054/1021	934/2054/1021	934/2054/1021	934/2054/1300	1181/2124/1377
Machine weight (Kg)	240	280	400	280	280	280	240	262	390	400

STEP 120 Road Towing

European approval



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Step 120 Towable on the road			
Towing ball hitch Ak 160b	mm/inc	50-2	50-2
Tubless Tires	Inc	4.8/4.00-8	4.8/4.00-8
Maximum speed limit	Km/h	130	130
Lighting system power supply	Volts	12 - 13.8	12 - 13.8
Car trailer round connection 7 pin	D/mm	36	36
Hopper / Mixer loading height	mm	1377	700
Dimensions width / length / height	mm	1181/2124/1377	1181/2124/1086
Machine weight	Kg	400	290
Packed machine dimensions width/length/height	mm	1181/1195/1650	1181/1195/1050
Packed machine weight	Kg	460	350

WEIGHT AND MEASURES STEP 120 PACKED

Code	Model	Packed machine weight	Packed machine dimensions width/length/height (mm)
1106181	STEP UP 230V 60Hz Tph	260 kg	1181 / 1995 / 1100
1106086	STEP UP 230V 60Hz Tph	340 kg	934 / 1650 / 1100
1106055	STEP 120 R+M 230V 60HzTph	460 kg	1181 / 1995 / 1650
1106087	STEP 120 400V 60Hz Tph	340 kg	934 / 1650 / 1100
1106079	STEP 120 400V 60Hz Tph	290 kg	934 / 1650 / 1100
1106091	STEP 120 400V 50Hz Tph	340 kg	934 / 1650 / 1100
1106089	STEP 120 F400V 50Hz Tph	340 kg	934 / 1650 / 1100
1106074	STEP 120 400V 50Hz Tph	290 kg	934 / 1650 / 1100
1106057	STEP 120 400V 50Hz Tph	325 kg	934 / 1650 / 1100
1106176	STEP 120 FPROOF 400V 50Hz Tph	450 kg	934 / 1650 / 1600
1106044	STEP 120 GRM 400V 50Hz Tph	460 kg	1181 / 1995 / 1650
1106054	STEP 120A 230V 60Hz Tph	350 kg	1181 / 1995 / 1100
1106094	STEP 120A 400V 50Hz Tph	360 kg	934 / 1650 / 1100

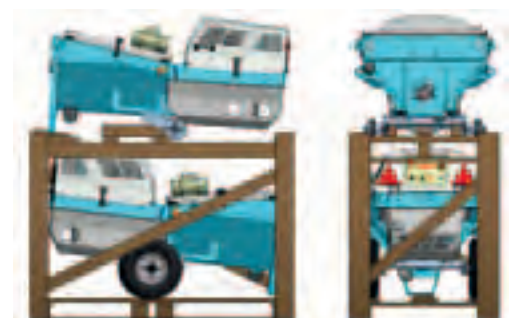
Please note: weights estimated with a tolerance of 5%.

Wood crate for superposing No.2 Step 120 without mixer

Dimensions of the wooden case Width / Length / height	(mm)	1250 / 1750 / 1000
Weight of the wooden crate	Kg	100
Packaging dimensions Width / Length / height	(mm)	2030 / 1750 / 1000
Packaging weight	Kg	According to the model

Can be used with the following STEP 120 models

1106086	STEP UP230V60Hz Tph	1106089	STEP 120 F400V50Hz Tph
1106087	STEP 120 400V 60Hz Tph	1106074	STEP 120 400V50Hz Tph
1106079	STEP 120 400V 60Hz Tph	1106057	STEP 120 400V50Hz Tph
1106091	STEP 120 400V 50Hz Tph	1106094	STEP 120A 400V50Hz Tph



Optional accessories for customized setups **STEP 120** three-phase

Particularly suitable for mixing all pumpable products with the Step 120 three-phase.	1107573		Three-phase mixer 400V / 50 Hz 1.1 kW
	1107509		Three-phase mixer 230V / 50 Hz
Particularly suitable for mixing: <ul style="list-style-type: none"> • Mortars for protecting metal structures from fire • Binders / mortars for consolidation injections • Waterproofing seal 	1107618		Mixer rubber paddles
To be used with all pre-dosed or premixed products. Indispensable in the case of fiber reinforced products	1107569		Premixed grid
Exclusive accessory for customizing STEP UP 120 230V60Hz TPH Code 1106181 Spray mortar applications	1107585		Kit Air piston compressor 310 l/min 230V / 60Hz Tph

Setups for specific applications **STEP 120** three-phase

A



- Cement / lime based premixed / pre-dosed plasters

1107074 Ø 25 Hose 5 m M35M25 (gun adapter Ø25)

1107530 Air hose Ø 13 - 5 m with quick couplings

1107540 Ø 25 F spray gun for traditional /premixed plaster with Ø14 duse

1107569 Premixed grid (use only for premixed or pre-dosed products)

1107519 10 pieces sponge kit for cleaning hose Ø 25

B



- Premixed / pre-dosed plasters based on cement / lime / Colored plaster

1107074 Ø 25 Hose 5 m M35M25 (gun adapter Ø25)

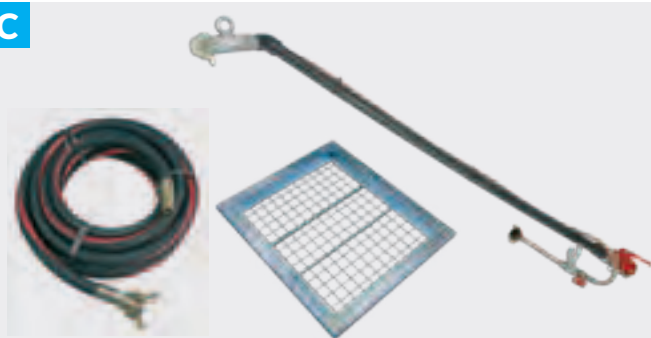
1107530 Air hose Ø 13 - 5 m with quick couplings

1107568 Ø 25F spray gun with no spreading ball valve and air flow regulator

1107569 Premixed grid (use only for premixed or pre-dosed products)

1107519 10 pieces sponge kit for cleaning hose Ø 25

C



- Fireproofing
- Cement / lime based premixed / pre-dosed plasters

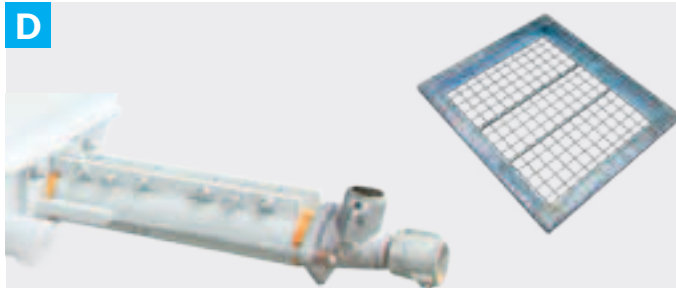
1107074 Pt pipe Ø 25 5m M35M25 (gun adapter Ø25)

1107549 Elongated gun Ø25 1.43 m with no spreading ball valve and air flow control

1107569 Premixed grid (use only for premixed or pre-dosed products)

1107519 10 pieces sponge kit for cleaning hose Ø 25

D



➔ Recommended for pumping at distances greater than 40 m with Ø 35 guns and accessories supplied or Ø 25 Spry gun.

Flow rate 0.8-1.6 mc / h, pressure 30 bar, maximum grain size 6 mm.

- Binders / mortars for consolidation injections (low flow high pressure)
- premixed / pre-dosed plasters based on cement / lime / Colored plaster
- premixed / pre-dosed structural plasters
- premixed / pre-dosed restorative plasters
- Fiber-reinforced reinforcement mortars (for pumping over long distances)

1107088 2L6 pumping kit

1107569 Premixed grid (use only for premixed or pre-dosed products)

E



➔ Recommended for open hose pumping.

High flow rates 2.2-4.5 mc / h, pressure 20 bar, maximum grain size 10 mm

- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds

1107090 60.12 pumping kit

1107533 10 m Ø 50 material hose with cam Camlock connection

1107534 20 m Ø 50 material hose with cam Camlock connection

1107569 Premixed grid (use only for premixed or pre-dosed products)

1107521 Kit of 10 sponges for washing Ø50 tube

F



➔ Recommended for free tube pumping.

High flow rates 4.2 mc / h (used only in first speed), pressure 15 bar, particle size 12 mm, agitator shaft included.

- Grouting grain size max 12 mm
- Grouting with metal fibers / polypropylene / carbon / glass
- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds

1107660 1.5 L7 pumping kit

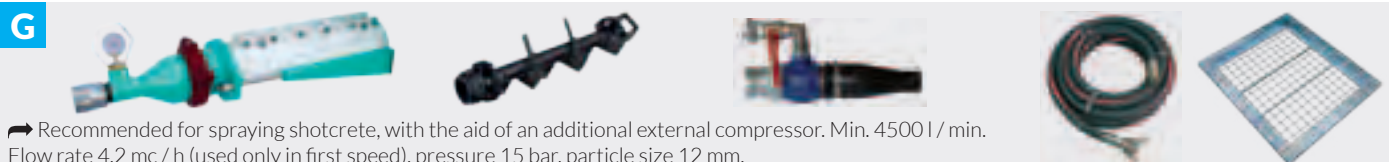
1107533 10 m Ø 50 material hose with cam connection

1107534 20 m Ø 50 material hose with cam connection

1107569 Grid for premixed materials

1107521 Kit of 10 sponges for washing Ø50 tube

G



➔ Recommended for spraying shotcrete, with the aid of an additional external compressor. Min. 4500 l / min. Flow rate 4.2 mc / h (used only in first speed), pressure 15 bar, particle size 12 mm.

1.5 L7 pumping kit

- Stator 1.5 L7
- Rotor 1.5 L7

1107660 Agitator shaft complete with rubber joints and pins
Material manifold complete with tie rods and support flange
Victaulic joint with seal
Reduction cone with pressure gauge camlock connection Ø50

1107533 10 m Ø 50 material holder tube with cam connection

1107534 20 m Ø 50 material holder tube with cam connection

1106250 Shotcrete gun Ø 50-2 way

1107569 Grid for premixed materials

1107521 Kit of 10 sponges for washing Ø50 tube

STEP 120 A three-phase

Eccentric screw pump

50 Hz

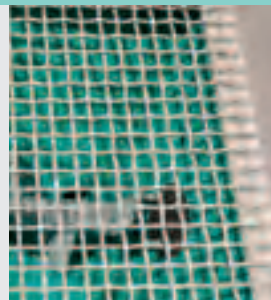
Step 120 A 400V / 50Hz Tph 7.5 kW
1106094

60 Hz

Step 120 A 230V / 60Hz Tph 7.5 kW
Towable on road (EU approval)
1106054



Pumping group 60.12 as standard. Maximum grain size 10 mm flow rate 120 l / min.



Vibrating grid with 10 mm passage.

Description

Step 120 A three-phase is a high performance eccentric screw pump suitable for pumping:

- Filling betons with metal fibers / polypropylene / carbon / glass
- Fiber-reinforced grout (grain size max. 10 mm)
- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds
- Refractory mortars (wet only)
- Fill core grout (max. Grain size 10 mm)
- Self-levelling screeds with a maximum flow rate of 7 mc / h
- Shotcrete

Specific for pumping materials in high quantities (about 7 mc / h), it must be feeded with premixed material by large mixers or by a truck mixer or mini-dumper.

The low loading height of the hopper allows the loading of the mixtures from any type of external mixer, paying attention to the production capacity.

They are often used in pairs:

- Truck mixer
- Dumper
- Mix 360 planetary mixer (two units) or Mix 750
- Syntesi 350 concrete mixer (2 units)

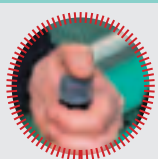
Operation

The mixture prepared in the mixer is poured directly into the hopper through a vibrating grid which filters out any inert material of excessive size and then sucked by the "Rotor-Stator" pumping system.

The pump pushes the material into the hose until it reaches the opposite end. Pumping can be started and stopped via the wired remote control.

If equipped with the optional accessory "gun for shotcrete" and an additional compressor of min. 4500 l / min, the pump turns into an excellent sprayer for concrete, to which about 40 m of hoses can be connected.

In the case of grouting mortars or self-levelling screeds, "open tube" is used.



ON-OFF remote control with 37 m cable.



A generously sized agitator shaft located inside the hopper allows you to move the material when the machine starts working again after a long stop with the material inside, preventing segregation.

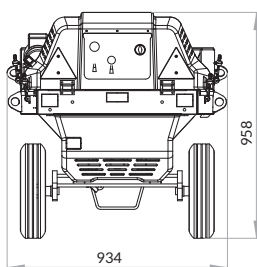
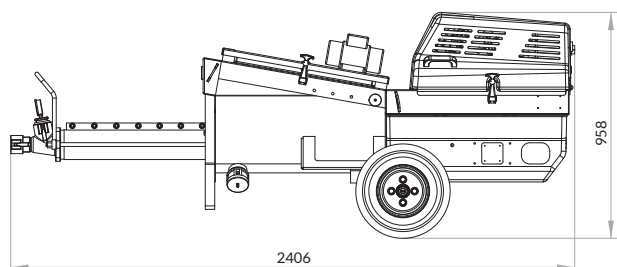
Standard equipment

Electric motor 400V / 50Hz - 7.5 kW or 230V / 60Hz - 7.5kW
Electric control panel
Low voltage electric remote control integrated with 37 m cable
20 m 3x4mm power cable with 3p + T sockets
Rotor-stator 60.12
Vibrating grid
30 m of hose (20 + 10) Ø50
20 m Ø35 end hose connected on one side only Ø50
Hose holder band
Hose washing sponge
Accessory box
EU approved road-towing, accessories and components (Only for 1106054 model)

Technical data

Supply	-	400V / 50Hz
	-	230V / 60Hz
Motor power	kW	7.5
Max grain size*	mm	8-10
Flow rate*	m³/h	7
Max pumping distance*	m	60
Max pumping height*	m	30
Hopper capacity	l	120
Hopper loading height	mm	670
Sound pressure level	dB (A)	< 79
Dimensions width / length / h	mm	934/2406/958
Machine weight	kg	280
Packed machine dimensions width / length / h	mm	1000/2000/1100
Packed machine weight	kg	340

(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency, the type of stator / rotor installed and the size of the hose used.



WEIGHT AND MEASURES STEP 120 PACKED

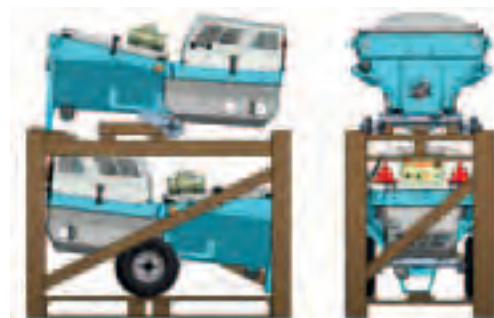
Code	Model	Packed machine weight	Packed machine dimensions width / length / height (mm)
1106054	STEP 120A 230V60Hz Tph	350 kg	1181/1995/1100
1106094	STEP 120A 400V50Hz Tph	360 kg	934/1650/1100

Wood crate for superposing No. 2 Step 120 without mixer

Dimensions of the wooden case Width / Length / height	(mm)	1250 / 1750 / 1000
Weight of the wooden crate	Kg	100
Packaging dimensions Width / Length / height	(mm)	2030 / 1750 / 1000
Packaging weight	Kg	According to the model

Can be used with the following Step 120 models

1106094 STEP 120 A 400V / 50 Hz Tph **1106054** STEP 120 A 230V / 60 Hz Tph



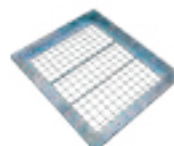
Accessories for customized setups **STEP 120 A**

Grid for premixed materials

➡ Recommended for:

- Filling grout with metal fibers / polypropylene / carbon / glass
- Fiber-reinforced concrete (Maximum grain size 10 mm)

1107569



60.12 / 2L74 Yellow

➡ Recommended for open hose pumping of:

- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds
- Filling grout with metal fibers / polypropylene / carbon / glass
- Fiber-reinforced concrete (Maximum grain size 10 mm)

Pressure 20 bar

Maximum grain size 8-10 mm

Flow rate 117 l / min

1107081



Stator 60.12
CLAMP

1107083



Rotor 60.12

1107533



Material hose Ø 50 - 10 m with
camlock coupling

1107534

Material hose Ø 50 - 20 m with
camlock coupling

A



➡ Recommended for:

- Spraying of shotcrete, with the aid of an additional external compressor Min. 4500 l / min

1107533 Material hose Ø 50 - 10 m with camlock coupling

1107534 Material hose Ø 50 - 20 m with camlock coupling

1106250

Shotcrete gun without additive inlet - Ø 50 camlock coupling
and air inlet with 1/2" quick coupling

Stators and Rotors

IM 25L Blue

➔ Recommended for:

- Traditional lime / cement plasters
- premixed / pre-dosed plasters based on cement / lime / colored plaster
- premixed / pre-dosed structural plasters
- premixed / pre-dosed restorative plasters
- Insulating plasters based on polystyrene or cork
- Fiber-reinforced mortar
- Masonry mortars
- Binders / mortars for consolidation injections
- Filling grout also with metal / polypropylene / carbon / glass fibers
- Concrete also fiber-reinforced (Max grain size 8 mm)
- Lightweight polystyrene-based screeds
- Fireproofing
- Refractory mortars (wet only)
- Self-levelling screeds with a maximum flow rate of 2.1 mc / h (three-phase Step)
- Shotcrete application with a maximum flow rate of 2.1 mc / h (three-phase Step)

1107110



IM 25L
CLAMP
stator

1107111



IM 25L
rotor

Step 120 three-phase

Pressure 15 bar

Maximum grain size 8 mm

Flow rate 17 - 35 l / min

Step 120 single-phase

Pressure 15 bar

Maximum grain size 8 mm

Flow rate 4 - 20 l / min

2L-6 Yellow

➔ Recommended for pumping with Ø 35 and Ø 25 guns and accessories of:

- Binders / mortars for consolidation injections (low flow high pressure)
- premixed / pre-dosed plasters based on cement / lime / Colored plaster
- premixed / pre-dosed structural plasters
- premixed / pre-dosed restorative plasters
- Fiber-reinforced mortars (for pumping over long distances)

1107077



Stator 2L-6

1107078



Rotor 2L-6

Step 120 three-phase

Pressure 30 bar

Maximum grain size 6 mm

Flow rate 13 - 27 l / min

1.5 L7 White

➔ Recommended for free tube pumping:

- Grout Core-fill grout max. grain size 12 mm
- Grout with metal / polypropylene / carbon / glass fibers
- Self-levelling cement / anhydride based screeds
- Light weight polystyrene-based screeds
- Refractory mortar (wet application only)
- Shotcrete

1107219



Stator 1.5 L7
CLAMP

1107218



Rotor 1.5 L7

Step 120 three-phase

Pressure 15 bar

Maximum 12 mm grain size

Flow rate 70 l / min (only in first speed)

60.12 / 2L74 Yellow

➔ Recommended for open hose pumping.

- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds

Step 120 three-phase

Pressure 20 bar

Maximum 8-10 mm grain size

Flow rate 38 - 75 l / min

1107081



Stator 60.12
CLAMP

1107083



Rotor 60.12

Step 120 A

Pressure 20 bar

Maximum 8-10 mm grain size

Flow rate 117 l / min

Common accessories **STEP 120** single-phase / three-phase

Spray guns and nozzles

1107568



- Ø 25 F spray gun with no-spreading ball valve and air flow regulator
- Premixed / pre-dosed plasters based on cement / lime / Colored plaster (Monokote)
 - Fireproofing

1107577



- Ø 35 M spray gun for traditional plasters / premixed / stucco
- ➡ Recommended for spraying:
- Insulating plasters based on polystyrene or cork
 - Mortars for fiber-reinforced reinforcement
 - premixed / pre-dosed structural plasters
 - premixed / pre-dosed restorative plasters
 - Traditional lime / cement plasters

1107549



- Ø 25 F spray gun, 1.43 m long for fireproofing and premixed plaster
- Premixed / pre-dosed plasters based on cement / lime / colored plaster (Monokote)
 - Fireproofing

1106250



- Shotcrete gun without additive inlet - Ø 50 Camlock coupling and air inlet with 1/2" quick connection
- ➡ The use of the pumping unit 1.5 L7 and hoses is recommended
- Shotcrete

1107011



- Ø 25 F spray gun for finishing coat / filling / touch pointing / injections without deflectors, with air flow regulator and no-spreading ball valve
- ➡ Recommended for:
- Finish for thermal insulating coatings
 - Waterproofing seal (only for large surfaces)
 - Adhesives for thermal insulation coatings

1107604



Deflectors kit 5-6-8-12-16 hardened steel

1107566



- Kit 3 deflectors with hose nozzle Ø 16
- ➡ Recommended for:
- Mortars filling grout
 - Adhesives for thermal insulating coatings (laying glue on panel)

1107499



- Conical tube gun for spacing Ø 25
- ➡ Recommended for:
- Filling grout or tuch pointing

1107570



- U bend steel pipe Ø 25
- ➡ Recommended for:
- Core fill grout

Deflectors

1107551

10 pcs kit deflectors Ø 10 (Duse) in polyurethane for premixed plaster

1107557

5 pcs kit deflectors Ø 10 in polyurethane for traditional plaster

1107552



10 pcs kit deflectors Ø 12 (Duse) in polyurethane for premixed plaster

1107558



5 pcs kit deflectors Ø 12 in polyurethane for traditional plaster

1107553

10 pcs kit deflectors Ø 14 (Duse) in polyurethane for premixed plaster

1107559

5 pcs kit deflectors Ø 14 in polyurethane for traditional plaster

1107554

10 pcs kit deflectors Ø 16 (Duse) in polyurethane for premixed plaster

1107560

5 pcs kit deflectors Ø 16 in polyurethane for traditional plaster

1107561

Kit 3 deflectors Ø 5 hardened steel for finishing coat and decorative plaster

1106251



Deflectors for shotcrete gun, without additive inlet

1107562



Kit 3 deflectors Ø 6 hardened steel for finishing coat and decorative plaster

1107563

Kit 3 deflectors Ø 8 hardened steel for finishing coat and decorative plaster

1107564

Kit 3 deflectors Ø 12 hardened steel for fills deep spaces by spraying the mortar


Common accessories **STEP 120** single-phase / three-phase

1107574		Electric remote control 37 m	1107544		Remote control extension cable 15 m	1107515		Pressure control group with pressure switch
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Hoses extension

1107528		Material hose Ø 35 - 10 m with camlock coupling
1107533		Material hose Ø 50 - 10 m with camlock coupling
1107534		Material hose Ø 50 - 20 m with camlock coupling

Hoses extension with reduction couplings

1107074		Material hose Ø 25 M35 / M25 L5 m with camlock coupling
1107075		Material hose Ø 35 M50 / F35 L20 m with camlock coupling
1106178		Camlock coupling adapter Ø 35 F - Ø 50 M

Air hose extensions

1107530		Air hose Ø 13 - 5 m with quick couplings
1107531		Air hose Ø 13 - 10 m with quick couplings
1107532		Air hose Ø 13 - 16 m with quick couplings
1107076		Air hose Ø 13 - 20 m with quick couplings

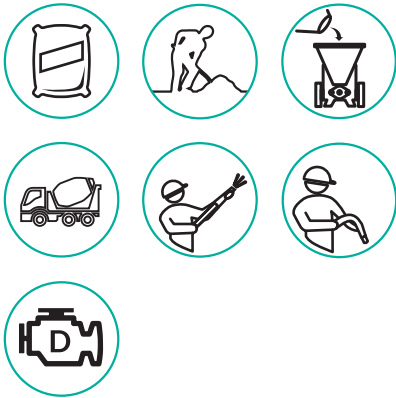
Hoses cleaning accessories

1107104		Cleaning kit for Ø 50 hoses Accessory for cleaning Ø 50 hoses with air or water
1107087		Cleaning kit for Ø 35 hoses Accessory for cleaning Ø 35 hoses with air or water
1107103		Cleaning kit for Ø 25 hoses Accessory for cleaning Ø 25 hoses with air or water
1107521		Kit 10 pcs sponge balls for cleaning Ø 50 hoses
1107520		Kit 10 pcs sponge balls for cleaning Ø 35 hoses
1107519		Kit 10 pcs sponge balls for cleaning Ø 25 hoses

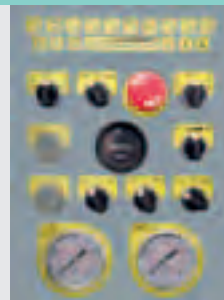
PRESTIGE ECO T Power

Eccentric screw plastering pump

Prestige Eco T Power 14.5 kW diesel engine Stage 5
1106130



- Yanmar liquid cooled diesel engine Stage 5 Eco T Power System: lower rotation speed (2400 rpm) to reduce wear, lower fuel consumption, lower noise
- Hydraulic transmission with piston pump with flow regulation
- Cooling system with double air / engine coolant - air / hydraulic oil exchanger.
- Integrated 400 l twin cylinder piston compressor



- ANTI-SHOCK control panel
- Electromechanical selectors
 - Standard hour counter
 - Integrated electronic diagnostic system
 - Hydraulic circuit pressure control gauges

Description

The Prestige plastering pump is equipped with a Yanmar diesel engine and is ready to operate in complete autonomy with reduced consumption. The exclusive "ECO T POWER" system adapts the engine revolutions based on the power demand during the specific work phase, optimizing fuel consumption and exhaust gas emissions.

Fully hydraulic operation with high efficiency variable displacement pump, controlled by an electronic diagnostic system and simplified and ergonomic control panel.

The ability to control the flow rate of pumped material from 0 to 60 l / min offers great versatility.

It is suitable for pumping and spraying:

- Traditional lime / cement plasters
- Premixed/pre-dosed plasters based on cement/lime/colored plaster (Monokote)
- premixed / pre-dosed structural plasters
- premixed / pre-dosed restorative plasters
- Insulating plasters based on polystyrene or cork
- Mortars for grouting
- Adhesives for thermal insulation coatings
- Waterproofing seal (only for large surfaces)
- Mortars for fiber-reinforced reinforcement
- Masonry mortar
- Binders / mortars for consolidation injections
- Filling grout with metal fibers / polypropylene / carbon / glass
- Fiber-reinforced concrete (grain size max. 10 mm)
- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds
- Fireproofing
- Refractory mortars (wet only)
- Shotcrete

Operation

The mixture prepared in the efficient integrated mixer is poured directly into the hopper and aspirated by the "Rotor-Stator" pumping system. The pump pushes the mixture into the hose until it reaches the opposite end, where with the help of the powerful 400 l / min compressor and the spray gun, the material is projected onto the application area.

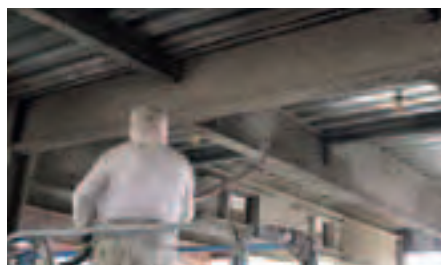
The machine can be started and stopped directly via the air tap located on the spray gun. Different accessories dedicated to spraying, controlled pressure injections, fills or jets can be connected to the hose. In the case of grouting or self-levelling screeds, "open hose" is used.

The pumping speed adjustment from 0 to 60 l / min allows to adapt the pump also to applications where the quantities of product to be pumped are small, such as in the case of:

- Mortars for grouting
- Adhesives for thermal insulation coatings
- Decorative finishes for thermal insulation coatings
- Waterproofing seal (only for large surfaces)

It is equipped with a forced mixer with horizontal axis with hydraulic system to overturn the material in the hopper. In some applications where the quantities of material to be pumped are significant, the Prestige can be equipped with a high-performance pumping unit and loaded directly by a truck mixer or dumper.

Equipped with a standard "2L6" pumping group, capable of satisfying most pumping and spraying needs, it can be further optimized for specific needs, due to a wide range of optional accessories.



EU road-towable approved
(approved up to 140 Km / h)

Drawbar with towing ball
hitch D 50 mm



Taillight light
Connected by 13 pin 12V
round connector



High efficiency forced horizontal axis mixer:

- Grid for reducing dust during loading.
- Low loading height (790 mm)
- Direct inlet for mixing water
- Programmable digital flow meter, to speed up the loading operations (optional)



- Hopper protection grid with safety sensor
- High hopper capacity 200 l
- Large agitator shaft to limit material segregation

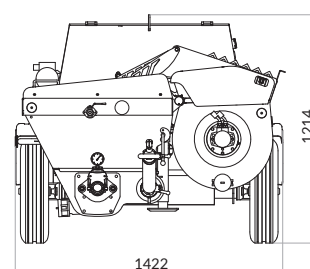
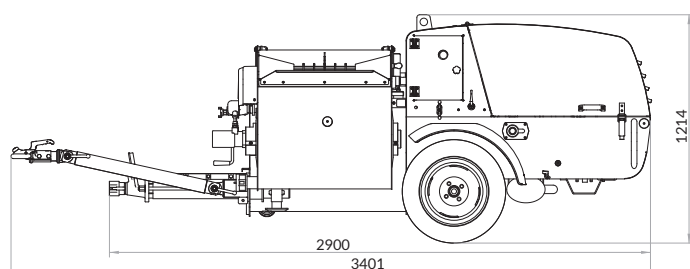
Standard Equipment

Diesel engine 14.5 kW Yanmar 3 TNV76-NYE3D Stage 5
Variable flow hydraulic pump
Compressor 400 l / min
Tipper mixer
2L6 screw pumping unit
10 + 20 m Ø 35 material hoses
5 m Ø 25 connecting hose with Ø 25 M - Ø 35M coupling
16 + 20 m air hose Ø 13
Ø 25 gun with no spreading valve and air flow regulator
Box with cleaning and maintenance accessories
1 hose holder band
Rotor-Stator pressure calibration group
2 cleaning sponge balls
Drawbar, safety pull rope and towing ball hitch D 50 mm
Taillight, rear fog light, reversing light and indicator lights
Amortized axle with tubless tires and mudguards
EU approved road-towing

Technical data

Motor power Stage 5	kW	14.5 (at 2400 rpm)
Compressor air flow	l/min	400
Max pumpable grain size*	mm	6 (2L6)
Theoretical flow rate*	l/min	0-60 (2L6)
Max pressure*	bar	30 (2L6)
Maximum pumping distance*	m	100
Maximum pumping height*	m	60
Hopper capacity	l	200
Hopper loading height	mm	670
Mixer capacity	l	180
Mixer loading height	mm	790
Sound pressure level	dB (A)	< 78
Dimensions width / length / h (overturned mix)	mm	1422/2900/1214
Machine weight	kg	750
Machine dimension packed width / length / h	mm	1500/2500/1400
Packed machine weight	kg	875

(*) The distance, the pumping height and the material flow are characteristics subject to variations that may concern: type of material used, consistency of the material, diameter of the hoses, type of pump installed and nozzle used.



PRESTIGE ECO T Power EPA

Equipped with an EPA diesel engine

Prestige Eco T Power EPA

14.5 kW diesel engine

1106133

Machine without pumping group and hoses.
Ready for customized setups.



Standard Equipment

Diesel engine 14.5 kW Yanmar 3TNV80FEU, EPA
Hydraulic piston pump with variable oil flow
Air compressor 400 l / min
Mixer with hydraulic lifting
Anti - Shock control panel
Material pressure gauge
Box with cleaning and maintenance accessories
1 hose holder band
Rotor-Stator pressure calibration group
2 cleaning sponge balls
Light bar with direction indicators and fog lights
EU Approved road-towing

Setups for specific applications **PRESTIGE**

A



Setup for traditional lime / cement mortars

- Maximum flow rate 3 mc / h, pressure 15 bar, sieve mesh 6 mm.

1107036 Vibrating grid kit

1107577 Ø 35 M spray gun for traditional plasters / premixed / stucco

1107149 IM 25L pumping kit

1107528 Hose Ø 35 with camlock coupling 10 m

1107531 Air hose Ø13 L10m

1107076 Air hose Ø 13 L 20m

1107520 Sponge ball Kit for Ø35 hoses

B



Performance: flow rate 3 mc / h, pressure 15 Bar, maximum grain size 8 mm, distance 40 m, height 20 m

➔ Recommended for open tube pumping of:

- Grouting also with metal / polypropylene / carbon / glass fibers
- Fiber-reinforced concrete (Max grain size 8 mm)
- Self-levelling screeds (supplied in bags)

1107149 IM 25L pumping kit

1107533 Material hose Ø 50 - 10 m with camlock coupling

1107534 Material hose Ø 50 - 20 m with camlock coupling

C



Performance: high flow rates 8 mc / h, pressure 20 bar, maximum grain size 10 mm, distance up to 60 m, height 30 m.

➔ Recommended for open hose pumping of premixed products from a plant / truck mixer / dumper / large multiple mixers:

- Grouting also with metal / polypropylene / carbon / glass fibers
- Fiber-reinforced concrete (Max grain size 10 mm)
- Lightweight polystyrene-based screeds
- Self-levelling screeds

1107090 Pumping kit 60.12

1107533 Material hose Ø 50 - 10 m with camlock coupling

1107534 Material hose Ø 50 - 20 m with camlock coupling

D



Performance: high flow rates 8 mc / h, pressure 20 bar, maximum grain size 10 mm, distance up to 60 m, height 30 m.

➔ Recommended for the projection of premixed materials from a batching plant by / truck mixer / dumper / multiple large mixers:

- Shotcrete also fiber-reinforced with metal / polypropylene / carbon / glass fibers
- Refractory mortars (wet only)

1107090 Pumping kit 60.12

1107533 Material hose Ø 50 - 10 m with camlock coupling

1107534 Material hose Ø 50 - 20 m with camlock coupling

1106250 Shotcrete gun without additive inlet - Ø 50 camlock coupling and air inlet with 1/2" quick connection

E



Setup for binders / mortars for consolidation injections (controlled pressure injections)

1107082 Kit of injections device with pressure controlled automatically from 0.5 to 5 bar

Accessories for customized setups **PRESTIGE**

➡ Recommended for speeding up mixing operations, by accurately and automatically dosing the water for the mixture



Standard panel, designed for direct control;

- Water quantity display
- Water quantity setting
- Activity indicator
- Start button for adding water

1107209 Electronic water meter kit AQUA CONTROL

➡ Recommended for quick cleaning at the end of the working day



1107208 Prestige 140 bar high pressure washer kit

➡ Recommended for pumping:

- Fiber-reinforced concrete
- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds
- Grouting
- Self-levelling screeds with maximum flow
- Shotcrete



1107001 5-function radio control kit with flow control



1107086 Cable remote control (50 m)

1107568



Ø 25 F spray gun with no-spreading ball valve and air flow regulator

- Premixed / pre-dosed plasters based on cement / lime / Colored plaster (Monokote)
- Fireproofing

1107577



Ø 35 M spray gun for traditional plasters / premixed / stucco

➡ Recommended for spraying:

- Insulating plasters based on polystyrene or cork
- Fiber - reinforced mortars
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Traditional lime / cement plasters

1107549



Ø 25 F spray gun, 1.43 m long for fireproofing and premixed plaster

- Premixed / pre-dosed plasters based on cement / lime / colored plaster (Monokote)
- Fireproofing

1106250



Shotcrete gun without additive inlet - Ø 50 Camlock coupling and air inlet with 1/2" quick connection

➡ The use of the pumping unit 1.5 L7 Ø50 hoses is recommended

- Shotcrete

1107011



Ø 25 F spray gun for finishing coat / filling / touch pointing / injections without deflectors, with air flow regulator and no-spreading ball valve

➡ Recommended for:

- Finish for thermal insulating coatings
- Waterproofing seal (only for large surfaces)
- Adhesives for thermal insulation coatings

1107604



Deflectors kit 5-6-8-12-16 hardened steel

1107566



Kit 3 deflectors with hose nozzle Ø 16

➡ Recommended for:

- Mortars for spacing
- Adhesives for thermal insulating coatings (laying glue on panel)

1107499



Conical tube gun for spacing Ø 25

➡ Recommended for:

- Spacing or tuch pointing

1107570



U bend steel pipe Ø 25

➡ Recommended for:

- Core fill grout

Rotors and stators **PRESTIGE**

IM 25L Blue

➡ Recommended for pumping with hoses and accessories Ø 35 of:

- Traditional lime / cement plasters
- Refractory mortars (wet only)
- Filling grout also with metal / polypropylene / carbon / glass fibers
- Grout / Core-Fillgrout
- Fiber-reinforced concrete (grain size max. 8 mm)
- Self-levelling screeds (supplied in bags)

1107110



IM 25L CLAMP stator

1107111



Rotore IM 25L

Dimensions: Length x Diameter (mm) 370x125

Pressure (bar) 15

Maximum grain size (mm) 8

Flow rate (l / min) 50

2L-6 Yellow

➡ Recommended for pumping or spraying with Ø 35 hoses of:

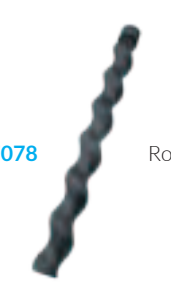
- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement / lime / colored plaster (Monokote)
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Structural reinforcement mortars
- Adhesives for thermal insulation coatings
- Waterproofing seal products (only for large surfaces)
- Fiber-reinforced mortar
- Binders / mortars for consolidation injections
- Fireproofing
- Refractory mortars (wet only)
- Grout / Core-Fill Grout (max. Grain size 6 mm)
- Self-levelling screeds with a maximum flow rate of 2.6 mc / h

1107077



Stator 2L-6
Assembly combined
with stator holder jacket
(standard on Prestige)

1107078



Rotor 2L-6

Dimensions: Length x Diameter (mm) 535x101

Pressure (bar) 30

Maximum grain size (mm) 6

Flow rate (l / min) 43

60.12 / 2L74 Yellow

➡ Recommended for pumping with hoses and accessories Ø 50 of:

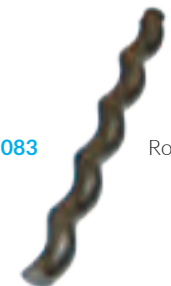
- Core filling grout, even with metal / polypropylene / carbon / glass fiber
- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds
- Refractory mortars (wet only)
- Fiber-reinforced concrete, grain size max. 10 mm
- Shotcrete application

1107081



Stator 60.12 CLAMP

1107083



Rotor 60.12

Dimensions: Length x Diameter (mm) 665x125

Pressure (bar) 20

Maximum grain size (mm) 10




Flow rate (l / min) 130

1107551		10 pcs kit deflectors Ø 10 (Duse) in polyurethane for premixed plaster	1107557		5 pcs kit deflectors Ø 10 in polyurethane for traditional plaster
1107552		10 pcs kit deflectors Ø 12 (Duse) in polyurethane for premixed plaster	1107558		5 pcs kit deflectors Ø 12 in polyurethane for traditional plaster
1107553		10 pcs kit deflectors Ø 14 (Duse) in polyurethane for premixed plaster	1107559		5 pcs kit deflectors Ø 14 in polyurethane for traditional plaster
1107554		10 pcs kit deflectors Ø 16 (Duse) in polyurethane for premixed plaster	1107560		5 pcs kit deflectors Ø 16 in polyurethane for traditional plaster
1107561		Kit 3 deflectors Ø 5 hardened steel for finishing coat and decorative plaster	1106251		Deflectors for shotcrete gun, without additive inlet
1107562		Kit 3 deflectors Ø 6 hardened steel for finishing coat and decorative plaster			
1107563		Kit 3 deflectors Ø 8 hardened steel for finishing coat and decorative plaster			
1107564		Kit 3 deflectors Ø 12 hardened steel for fills deep spaces by spraying the mortar			

Material hose extensions

1107528		Material hose Ø 35 - 10 m with camlock coupling
1107533		Material hose Ø 50 - 10 m with camlock coupling
1107534		Material hose Ø 50 - 20 m with camlock coupling

Hoses extension with reduction couplings

1107074		Material hose Ø 25 M35 / M25 L5 m with camlock coupling
1107075		Material hose Ø 35 M50 / F35 L20 m with camlock coupling
1106178		Camlock coupling adapter Ø 35 F - Ø 50 M

Air hose extensions

1107530		Air hose Ø 13 - 5 m with quick couplings
1107531		Air hose Ø 13 - 10 m with quick couplings
1107532		Air hose Ø 13 - 16 m with quick couplings
1107076		Air hose Ø 13 - 20 m with quick couplings

Hoses cleaning accessories

1107104		Cleaning kit for Ø 50 hoses Accessory for cleaning Ø 50 hoses with air or water
1107087		Cleaning kit for Ø 35 hoses Accessory for cleaning Ø 35 hoses with air or water
1107103		Cleaning kit for Ø 25 hoses Accessory for cleaning Ø 25 hoses with air or water
1107521		Kit 10 pcs sponge balls for cleaning Ø 50 hoses
1107520		Kit 10 pcs sponge balls for cleaning Ø 35 hoses
1107519		Kit 10 pcs sponge balls for cleaning Ø 25 hoses

Road towing accessories

1107156		Ball joint d. 50 Ak 160 b
1107161		France type ring towing D. 68 x 25 d. I55

MOVER 270d EVO

Pneumatic conveyor for traditional and premixed screeds, with high performance and automatic cycle

Mover 270db EVO 35 kW diesel engine
with loading bucket
1106225

Mover 270dbr EVO 35 kW towable
diesel engine, with loading bucket
1106220

Mover 270dr EVO 35 kW towable
diesel engine, without load bucket
1106221



Innovative and user-friendly technology:

- Control panel with self-diagnosis
- Mini display with diagnostic functions and hour meter
- Automatic pumping cycle with progress indications
- Adjustable mixing time
- SMARTSTOP fuel reserve
- Auxiliary compressed air intake
- Air flow regulation valves
- Pressure verification pressure gauges



Powerful horizontal axis mixer with:

- Wear-resistant cast iron mixing blades
- Ardox steel armor plates
- Direct shaft-mixer transmission
- Self-compensating hatch gasket
- 90 ° material outlet manifold with respect to the tank
- Rotation direction of mixing blades reversible in case of blockage

Description

Mover 270d EVO is a pneumatic pump equipped with a diesel engine and integrated compressor, completely independent of external connections. Maintenance operations are reduced to a minimum due to the complete absence of belts and advanced Full Hydraulic Drive transmission solutions for mixer, bucket and loader.

Mover 270d EVO is the optimal solution for mixing and conveying material through a pipe at high distances and heights, with reduced fuel consumption and absolute reliability.

The control panel is equipped with the exclusive FULL CHECK self-diagnostic system, which is able to report any anomalies during use in real time and to immediately suggest the relative solutions.

The exclusive IMERVIEW remote control system (optional) allows remote operation and monitoring of the various aspects of the machine, making it possible to manage important activities such as monitoring and setting machine parameters, geolocation and traceability of movements, assistance by IMER staff, scheduled maintenance.

It is suitable for pumping:

- Traditional sand / cement screed (also with fiber)
- Premixed cement screed (also with fibers)
- Screed lightened with expanded clay / sand / cement
- Lightened screed pre-dosed with expanded clay
- Screed lightened with cork / sand / cement
- Lightened premixed screed with polystyrene
- Lightened premixed cement screed
- Concrete with a maximum grain of 16 mm
- Dry sand
- Washed gravel with a maximum grain of 16 mm
- Draining soil for gardens

Operation

All dry material is poured into the loading bucket manually or through the scraper blade (optional). In the version without loading bucket, the dry material is poured directly into the barrel manually. The bucket is raised hydraulically by the double acting piston until it reaches the maximum inclination of 65 °. The material descends into the barrel where the powerful mixer (already in operation) begins its action. About halfway through the loading of the material, the water is added manually inside the barrel. When loading is complete, without waiting times, the hatch is closed and the barrel is pressurized by pressing the "Automatic cycle" button on the control panel. The air flow forcefully conveys the material through the hoses until it reaches the end point where the flow breaker stand is installed. When the barrel is empty, the air flow stops automatically and the machine is ready for a new loading.

The powerful horizontal axis mixer also homogeneously mixes particularly difficult and / or fiber-rich products. For those particular materials that require a longer mixing time, it is possible to set a time of your choice, which will delay the emptying phase after pressing the "Automatic cycle" button.

The hoses at the end of the cycle always remain empty. This simplifies washing operations at the end of the day. Simply clean the barrel with water and pump the appropriate sponge ball into the hoses.

Mover 270d EVO is equipped with safety devices and reversal of the mixer rotation direction, useful in case of accidental blocking of the mixer or clogging of the hose to facilitate release.

With the help of additional compressors and special accessories, it can reach high distances and pumping heights.

Available in different setups to meet the various needs of the construction site.

EU road-towable approved (approved up to 140 Km / h).

With braking system, 195 R14 wheels, wheel lock wedges, mudguards, light bar and anti-cyclist bars.
Standard on Mover 270dr - dbr versions

Adjustable handling bar

Standard on Mover db

Scraper shovel

Quick loading for maximum performance (optional)



FAST-FLOW cooling system to make the machine work in all conditions, which guarantees low temperatures and minimal wear

The fresh air goes to cool in order:

- 1) Screw group and compressor separator
- 2) Diesel engine
- 3) Triple air / oil / refrigerant exchanger



Reduced maintenance costs thanks to the easy accessibility of the components:

- Yanmar 4TNV88 4 cylinder 35 kW diesel engine
- High efficiency screw compressor
- Direct compressor-motor coupling with FAST-LOCK coupling



Standard Equipment

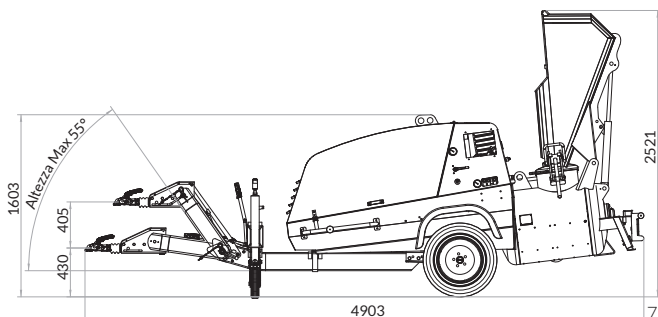
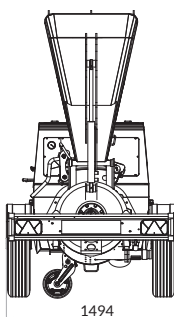
Fast-Lock transmission compressor
Control panel with Full-Check self-diagnosis
Mini display with diagnostic functions and hour meter
Integrated hydraulic system
Pressure tank 270 l certified
Ø 60 mm material outlet manifold for cams
20 + 10 + 10 m tube Ø 60 mm cam connection
Metal hose holder and 2 hoses holder bands
Loading bucket (db versions)
Flow breaker stand with Ø 60 mm connection
Box with cleaning and maintenance accessories
Central lifting hook
Adjustable handling bar (d-db versions)
EU road-towable approved (dr and dbr versions)

Technical data

		Mover 270db EVO	Mover 270dr EVO	Mover 270dbr EVO
Road towing kit	-	no	yes	yes
Loading bucket	-	yes	no	yes
Engine power Yanmar 4TNV88	kW	35	35	35
Compressor flow rate	l/min	4340	4340	4340
Max compressor pressure	bar	7	7	7
Max transportable grain size	mm	16	16	16
Average yield per cycle*	l	220	220	220
Barrel capacity	l	270	270	270
Hourly output*	mc/h	> 5.0	> 5.0	> 5.0
Maximum pumping height*	m	80	80	80
Pumping distance*	m	120	120	120
Loading height	mm	660	1000	660
Dimensions width / length / h**	mm	1494/4903/2521	1494/4903/1603	1494/4903/2521
Weight**	kg	1760	1680	1790
Guaranteed sound power level	dB(A)	< 103	< 103	< 103

(*) The data on distance, height and hourly performance are indicative values which are not binding, varying according to the consistency of the materials and the loading efficiency of the machine, based on the configuration chosen.

(**) For dimensions and weight of the packed machine, see table on page. 73



MOVER 190e 270e

Pneumatic conveyor for screeds

50 Hz

Mover 190e 230V/50Hz Sph 2.2 kW
1106016

50 Hz

Mover 190eb 230V/50Hz Sph 2.95 kW complete with loading bucket
1106015

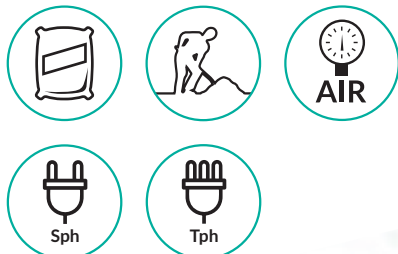
Mover 270e 400V/50Hz Tph 5.5 kW
1106011

Mover 270eb 400V/50Hz Tph 7 kW complete with loading bucket
1106010

60 Hz

Mover 270eb Installed power - 230V/60 Hz Tph 7kW
1106067

Mover 270eb Installed power - 400V/60 Hz Tph 7kW
1106068



Simple and intuitive controls for the operator:

- A single lever for distributing the air flow to simplify the initial setting operations
- The grease nipples of the mixer supports are centralized to the operator's sight



Minimal wear and simple maintenance thanks to:

- Ardox steel armor plates and wear-resistant cast iron blades
- Mechanical and electrical components protected under metal covers and easily accessible

Description

The Mover 190e / 270e are pneumatically operated pumps, capable of mixing and conveying the material at high distances and considerable heights through a pipe. The powerful horizontal axis mixer with direct transmission (without belts) also mixes particular products rich in fibers.

Light and easy to handle, easy to use and transport, they are at the same time robust and particularly resistant to wear. The machines are ideal in all those cases where you have a compressor to match.

They are suitable for pumping:

- Traditional sand / cement screed (also with fiber)
- Premixed cement screed (also with fibers)
- Screed lightened with expanded clay / sand / cement
- Lightened screed pre-dosed with expanded clay
- Screed lightened with cork / sand / cement
- Lightened premixed screed with polystyrene
- Lightened premixed cement screed
- Concrete with a maximum grain of 16 mm
- Dry sand
- Washed gravel with a maximum grain of 16 mm
- Draining soil for gardens

Operation

The Mover 190e / 270e pneumatic pumps must be connected to the power line and to a compressor with the following requirements:

Mover 190e Minimum flow 2500 l / min (88.3 cfm), Pressure 7 bar (101.5 psi)

Mover 270e Minimum flow rate 3500 l / min (123.6 cfm), Pressure 7 bar (101.5 psi)

All dry material is poured into the loading bucket manually or through the scraper blade (optional). In the version without loading bucket, the dry material is poured directly into the barrel manually. The bucket is raised hydraulically by the double acting piston until it reaches the maximum inclination of 65°. The material descends into the barrel where the powerful mixer (already in operation) begins its action. About halfway through the loading of the material, the water is added manually inside the barrel. When loading is complete, without waiting times, the hatch is closed and the barrel is pressurized by pressing the "Automatic cycle" button on the control panel. The air flow forcefully conveys the material through the hoses until it reaches the end point where the flow breaker stand is installed. When the barrel is empty, the air flow stops automatically and the machine is ready for a new loading.

The powerful horizontal axis mixer also homogeneously mixes particularly difficult and / or fiber-rich products. For those particular materials that require a longer mixing time, it is possible to set a time of your choice, which will delay the emptying phase after pressing the "Automatic cycle" button. The hoses at the end of the cycle always remain empty. This simplifies washing operations at the end of the day. It will be enough to clean the barrel with water and pump the appropriate sponge ball into the hoses.

Mover 190e / 270e are equipped with safety devices and reversal of the direction of rotation of the mixer, useful in case of accidental blocking of the mixer or clogging of the hose to facilitate release. With the help of additional compressors and special accessories they can reach high distances and pumping heights.

Available in different arrangements to meet the various needs of the construction site.



Cast iron hatch with:

- Lightening springs during opening.
- Barrel "Safety vent" valve incorporated.
- Self-compensating gasket (patented).



The mixer includes a blocking sensor which detects the opening of the protection grid. Positioned under the covers, the sensor protects the user from accidents, and dust.

Technical data

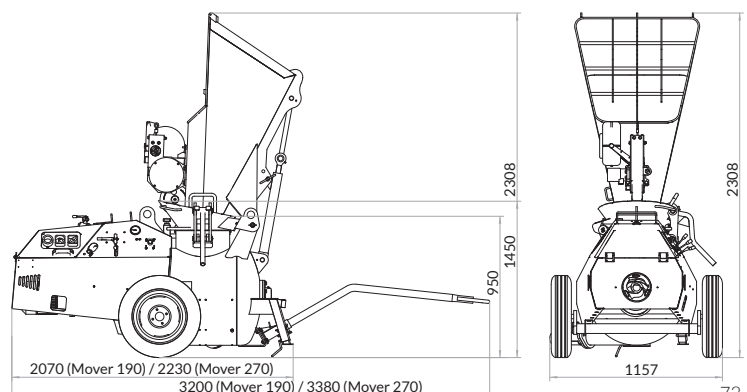
		Mover 190e	Mover 190eb	Mover 270e	Mover 270eb
Loading bucket	-	no	yes	no	yes
Mixer motor power	kW	2.2	2.2	5.5	5.5
Hydraulic power unit motor	kW	-	0.75	-	1.5
Max transportable grain size	mm	16	16	16	16
Barrel capacity	l	190	190	270	270
Average cycle yield	l	160	160	220	220
Hourly output*	mc/h	2-4.5	2-4.5	3-6	3-6
Pumping height*	m	80	80	80	80
Pumping distance*	m	150	150	200	200
Loading height	mm	950	350	950	350
Dim width / length / h with bucket raised*	mm	1157/2070/1450	1157/2070/2308	1157/2230/1450	1157/2230/2308
Weight**	kg	590	700	630	750
Sound pressure level	dB (A)	< 57	< 57	< 57	< 57

(*) The data on distance, height and hourly yield are indicative values, variable depending on the consistency of the materials and the loading efficiency of the machine and on the chosen configuration.

(**) For dimensions and weight of the packed machine, see table on page 73

Standard Equipment

Certified pressure barrel
Loading bucket with hydraulic power unit (Mover 190 / 270eb)
20 + 10 m Ø 60 mm material hose with camlock coupling (Mover 190e / 190eb)
20 + 10 + 10 m Ø 60 mm material hose with camlock coupling (Mover 270e / 270eb)
Flow breaker stand with Ø 60 mm camlock coupling
Ø 60 mm material outlet manifold with camlock coupling
Manual greasing pump
20 m power cable
Box with cleaning and maintenance accessories
Metal hose holder and 2 hoses holder bands



Accessories for customized setups **MOVER 270d EVO**

Kit IMERVIEW Mover EVO Connect 4.0

- GPS-GSM electronic control unit, GPS antenna and air pressure sensor.
- Web Dashboard access and Cloud storage (Sim card not available)
- Pre-delivery installation, included.

➡ Recommended for checking:

- GPS position (and movement tracking)
- Daily working hours
- Work cycles
- Work site temperature
- Scheduled maintenance
- Diesel engine alarms
- Compressor alarms
- Remote problem analysis with connection to IMER service



1107639

Watch the video on our YouTube channel



➡ Recommended (bucket version only) to speed up loading operations

1107047



Cable coiler and scraping shovel Mover 270db / dbr EVO

➡ Recommended for automatic and continuous lubrication of the mixer shaft supports

1107095



Automatic lubrication system

➡ Recommended to speed up cleaning at the end of the working day

1107168



140 bar pressure washer kit

➡ Recommended for pumping at long distances and high heights with the help of additional compressors

1107599



Camlock Y support for additional air injection

Ø 60 hoses extension complete of camlock coupling with rubber holder in highly wear-resistant hardened steel (IMER Standard)

1107535



10 m material hose Ø 60 with camlock coupling

1107536

20 m material hose Ø 60 with camlock coupling

Washing sponge for material hoses

1107522



Kit of 10 washing sponge for Ø 60 hoses

EU approved hooks for towing bar (Other models available in the Spare Parts section)

1107069



Caravan hook kit for Booster and Mover

Consumable accessories **MOVER 270db/dr/dbr/WT**

1107062



Mixing paddle kit for Mover 270 e/d

1107212



Wear plates kit for Mover 270 e/d EVO

1107150

"Gold" high resistance mixing paddle kit for Mover 270 e/d

Accessories for customized setups **MOVER 190e 270e**

➡ Recommended (bucket version only)
to speed up loading operations

1107057



Cable coiler and scraping shovel
Mover 190/270eb

➡ Recommended for automatic and continuous
lubrication of the mixer shaft supports

1107095



Automatic lubrication system

➡ Recommended for pumping at long distances and
high heights with the help of additional compressors

1107599



Camlock Y support for additional air injection

**Ø 60 hoses extension complete of camlock coupling
with grafting to rubber hose in highly wear-resistant
hardened steel (IMER Standard)**

1107535



10 m material hose Ø 60
with camlock coupling

1107536

20 m material hose Ø 60
with camlock coupling

Washing sponge for material hoses

1107522



Kit of 10 washing sponge for Ø 60 hoses

Consumable accessories **MOVER 190/270e/eb/WT**

1107061



Mixing paddle kit for Mover 190 e

1107059



Wear plate kit for Mover 190 e

1107062

Mixing paddle kit for Mover 270 e/d

1107212



Wear plate kit for Mover 270 e/d EVO

1107150

"Gold" high resistance mixing paddle kit
for Mover 270 e/d



MOVER WT

Complete with standard equipment, without hoses

Standard equipment Mover 270d / dr WT

Fast-Lock transmission compressor
Control panel with Full-Check self-diagnosis
Mini display with diagnostic functions and hour meter
Integrated hydraulic system
Pressure tank 270 l certified
Material outlet manifold Ø 60 mm Threaded 2-1 / 2"
Metal hose holder and 2 hoses holder bands
Loading bucket (db versions)
Flow breaker stand with Camlock connection Ø 60 F Ø 60 mm
Box with cleaning and maintenance accessories
Central lifting hook
Adjustable handling bar (db version)
EU road-towable approved (dr-dbr versions)



1106226 Mover 270db WT

1106227 Mover 270dr EVO WT

1106224 Mover 270dbr WT

Standard Equipment Mover 190 / 270e WT

Certified pressure tank
Loading bucket with hydraulic power unit (Mover 190 / 270eb)
Flow breaker stand with Camlock connection Ø 60 F Ø 60 mm
Material outlet manifold Ø 60 mm Threaded 2-1 / 2" M
Manual greasing pump
20 m power cable
Washing and maintenance accessories box
Metal hose holder and 2 hoses holder bands



1106014 Mover 190e WT 230V/50Hz Sph 2.2 kW

1106211 Mover 190eb EVO WT 230V/50Hz Sph 2.95 kW with 270 l tank

1106012 Mover 270e WT 400V/50Hz Tph 5.5 kW

1106013 Mover 270eb WT 400V/50Hz Tph 7 kW

Hoses kit complete with adapters, optionally for Mover WT

30 m Ø65 hoses kit with perrot couplings <ul style="list-style-type: none">• 20 + 10 m material hoses Ø 65 with Perrot couplings• Supply manifold adapter• Flow breaker stand adapter	1107052	
39.9 m Ø50 hoses kit with quick- trapezoidal pitch thread couplings <ul style="list-style-type: none">• 3x13.30 m material hoses Ø 60 with trapezoidal thread couplings• Supply manifold adapter• Flow breaker stand adapter	1107053	
30 m Ø 60 hoses kit with camlock coupling (standard on Mover 190/270) <ul style="list-style-type: none">• 20 + 10 m material hoses Ø 60 with camlock coupling• Adapter to the delivery manifold	1107050	
➡ Recommended for pumping aggregates with a particle size < 10 mm and distances not exceeding 60 m 30 m Ø 50 hoses kit with camlock coupling <ul style="list-style-type: none">• 20 + 10 m material hoses Ø 50• Camlock coupling Ø 50 for manifold• Camlock coupling reducer for Flow breaker• Washing sponges for Ø50 hoses	1107051	

Ø 60 hoses extension complete of camlock coupling with grafting to rubber hose in highly wear-resistant hardened steel (IMER Standard)

1107535



10 m material hose Ø 60 with camlock coupling

1107536

20 m material hose Ø 60 with camlock coupling

Ø 60 hoses extension complete of quick- trapezoidal pitch thread couplings

1107098



13.30 m material hose 60x79 10 bar Ø 60 with trapezoidal thread couplings

Hose adapters

1107155



Adapter kit for Ø 65 material hoses with Cardan Perrot coupling. Tank connection M with thread F 2 -1/2"

1107167



Adapter kit for Ø 60 material hoses with trapezoidal thread couplings. Tank connection F with thread F 2 -1/2"

1107166



Tank outlet fitting for material hoses Ø 60 with camlock coupling. Threaded F 2 1/2"

Ø 65 hoses extension complete of perrot coupling

1107096



10 m material hose 65x84 10 bar Ø 65 with Cardan Perrot coupling

1107097

20 m material hose 65x84 10 bar Ø 65 with Cardan Perrot coupling

Ø 50 hoses extension complete of camlock coupling

1107533



Material hose Ø 50 - 10 m with camlock coupling

1107534

Material hose Ø 50 - 20 m with camlock coupling

Supports for additional air injection

Recommended for pumping at long distances and high heights with the help of additional compressors

1107599



Y Camlock support Ø 60 for additional air injection

1107600



Support Y Perrot Cardan Perrot Ø65 for additional air injection

PACKED "MOVER" MACHINES WEIGHTS AND DIMENSIONS

Code	Model	Packed machine weight	Packed machine dimensions width / length / h	Equipment weight on pallet 1200 / 1100 / 1600 mm
1106225	Mover 270db EVO	1780 kg	1500/4900/2350 mm	190 kg
1106221	Mover 270dr EVO	1700 kg	1500/4900/1700 mm	190 kg
1106220	Mover 270dbr EVO	1810 kg	1500/4900/2350 mm	190 kg
1106016	Mover 190e	620 kg	1160/2070/1470 mm	170 kg
1106015	Mover 190eb	730 kg	1160/2070/2330 mm	170 kg
1106011	Mover 270e	660 kg	1160/2230/1470 mm	190 kg
1106010	Mover 270eb	790 kg	1160/2230/2330 mm	190 kg
1106226	Mover 270db EVO WT	1780 kg	1500/4900/2350 mm	170 kg
1106227	Mover 270dr EVO WT	1700 kg	1500/4900/1700 mm	170 kg
1106224	Mover 270dbr EVO WT	1810 kg	1500/4900/2350 mm	170 kg
1106014	Mover 190e WT	620 kg	1160/2070/1470 mm	170 kg
1106017	Mover 190eb WT	730 kg	1160/2070/2330 mm	170 kg
1106012	Mover 270e WT	660 kg	1160/2230/1470 mm	170 kg
1106013	Mover 270eb WT	790 kg	1160/2230/2330 mm	170 kg

Please note: weights estimated with a tolerance of 5%.

BOOSTER 15

Twin-cylinder piston pump

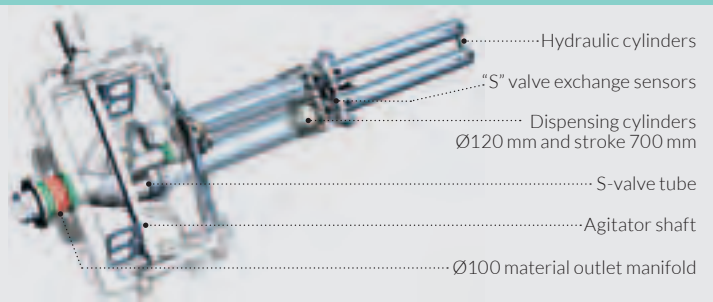
Booster 15 diesel engine Stage 5 - 22.3 kW
1106120

Booster 15 R diesel engine Stage 5 - 22.3 kW
EU road-towable approved
1106121



Compact and reliable, it is equipped with:

- Yanmar engine Stage 5
- Hydraulic pump with variable flow
- IMER electronic control board
- "Cool-Fast" cooling system
- Soundproofed engine compartment



Description

Booster 15 is an extremely small and light stationary concrete pump, capable of pumping concrete with a maximum grain size of 25 mm, or projecting micro concrete with a grain size of up to 12 mm. The machine is equipped with a variable displacement hydraulic pump that allows to vary the number of S-valve switches per minute, increasing or reducing the useful flow rate of the material according to the application.

Ideal for small and medium-sized construction sites, especially if located in places where the operating spaces are small and / or difficult to reach with other pumping systems.

It is suitable for pumping:

- Concrete with a maximum grain size of 25 mm (1")
- Fiber-reinforced concrete
- Self-compacting concrete
- Refractory concrete (only for wet application)
- Grouting or fill core grout
- Self-levelling cement / anhydride based flow screeds

It is suitable for spraying:

- Shotcrete
- Shotcrete with setting accelerating additives
- Structural mortar, also fiber-reinforced

Booster 15 can be optimized to meet specific pumping or spraying needs, thanks to the availability of a wide range of optional accessories.

Operation

Booster 15 is a two-cylinder piston pump with exchange S-tube valve. The pumping cylinders are 120 mm in diameter and have a stroke of 700 mm. The S-valve has an elongated conical shape (from Ø 120 to Ø 100) and is equipped with a special self-compensation system for the wear of the sealing plates.

Booster 15 is based on a completely hydraulic free flow operation, capable of developing 220 bar of pressure. The particular and exclusive cooling system "Cool Fast" of the hydraulic oil provides the use of a special auxiliary hydraulic pump and a generously sized air / oil radiator. The "Cool Fast" system is able to guarantee continuous operation even with high ambient temperatures.

The material must be unloaded into the hopper directly from the batching plant / truck mixer / dumper / large mixers. Passing through the vibrating grid, it is filtered by any excessively large stones. In the case of pumping with small diameter hoses (Ø 50 mm), the machine can be equipped with a thin mesh grid.

Booster 15 works with the following cycle:

- The agitator in the bottom of the hopper accompanies the material in front of the dispensing cylinders.
- The two pistons inside the dispensing cylinders suck the material from the hopper until it reaches its limit switch backwards.
- The exchange sensors detect the arrival of the piston and control, through the exchange cylinders, the position of the S-valve.
- The piston that had finished its backward stroke (in suction) now pushes and pressurizes the material into the pipe through the S valve, while the other piston is engaged in the suction phase.

The cycle is renewed from 4 to 34 times per minute, depending on how the operator sets the material flow rate in the control panel.

EU road-towable approved (approved up to 140 Km / h).

With braking system, 195 R14 wheels, wheel lock wedges, mudguards, light bar and anti-cyclist bars. Standard on Booster 15 R.

Adjustable handling bar Standard on Booster 15



5-function cable remote control (standard):

- March
- Stop
- Inversion
- Flow rate increase
- Flow rate decrease



ANTI-SHOCK control panel:

- Material flow regulation
- Hydraulic pressure control gauges
- Emergency operating system in case of failure of the exchange sensors
- Hour counter



Maximum performance thanks to:

- Quick exchange of S-valve tube
- Cylinder with Ardox steel wear plates
- Self-compensation system of wear
- Agitator shaft to avoid segregation of the material during work

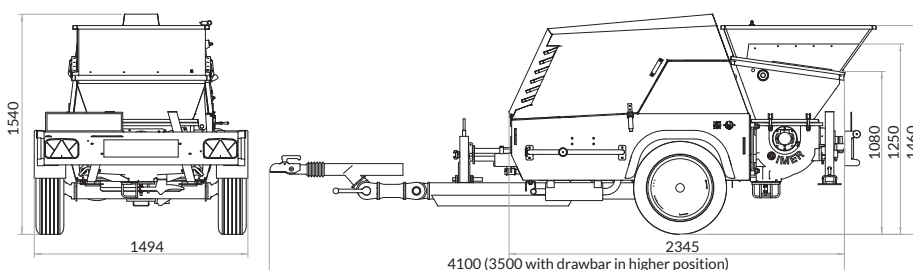
Standard Equipment

Liquid cooled diesel engine - Yanmar 3TNV82A-BDYE Stage 5
Hopper with agitator shaft
Hopper grid with 12V electric vibrator
Free flow hydraulic system
Pumping group with S-valve tube
Victaulic 4" delivery manifold (Ø 100 mm)
ANTI-SHOCK control panel
Hour meter
Cable remote control 4 functions
Tool kit for replacing pumping pistons
Manual greasing pump
Axle with wheels 195R14
Adjustable handling bar
EU road-towable approved (Booster version 15 R)

Technical data

Diesel engine Stage 5		3TNV82A-BDYE2
Installed power	kW	22.3
Pumping system		Two-cylinder piston
Grain size	mm	25
Material flow*	m³/h	2-15
Pumping pressure*	bar	70
Pipe connection manifold	mm	Victaulic 25 (4")
Hopper capacity	l	240
Loading height	mm	1080
Horizontal pumping distance	m	200
Pumping height with 150 m pipe	m	100
Pumping cylinder size	mm	120
Pumping cylinder stroke	mm	700
Number of S-valve exchanges	min	4 - 34
Machine dimensions width / length / h	mm	1494/4100/1540
Machine weight	kg	1550
Packed machine dimensions width / length / h	mm	1550/1550/3500
Packed machine weight	kg	1610
Sound pressure level	dB (A)	<103










(*) The data on distance, height and hourly output are non-binding indicative values, which vary according to the consistency of the materials and the chosen configuration. Maximum pumping pressure and maximum flow are inversely proportional, never obtainable simultaneously.



Optional accessories for customized setups **BOOSTER 15**

➡ Recommended when loading the material with a truck mixer	1107196		Booster rubber hopper extension 380 l kit, loading height 1250 mm
➡ Recommended when loading the material with a batching plant	1107197		Booster steel hopper extension 500 l kit, loading height 1460 mm
➡ Recommended for automatic and continuous lubrication	1107170		Automatic greasing system kit
➡ Recommended to speed up washing operations	1107171		High pressure cleaner kit 140 bar
➡ Recommended for pumping in general	1107001		5 functions radio control kit <ul style="list-style-type: none"> • March • Stop • Inversion • Flow rate increase • Flow rate decrease
EU road-towable approved (Other models available in the Spare Parts section)	1107069		Caravan hook kit for Booster R (other models available in the Spare Parts section)

Accessories for specific applications **BOOSTER 15**

	1107178		Inspection and lubrication steel bend 90° for 4" Victaulic pipes
	1107200		Steel bend 45° Ø 3¼" (75 mm)
	1107199		Steel bend 90° Ø 3¼" (75 mm)
Fitting accessories suitable for pumping aggregates with a grain size of 19 mm ➡ Recommended for pumping: <ul style="list-style-type: none"> • Concrete grain size 0-19 mm • Fiber-reinforced concrete • Self-compacting concrete • Refractory concrete (only for wet application) • Grouting and fill core grouting • Self-levelling cement / anhydride based screeds 	1107179		Victaulic Ø 4" fixed lever coupling for Ø 100 pipes
	1107193		Victaulic Ø 3¼" fixed lever coupling for Ø 75 pipes
	1107191		Reduction cone Ø 100 (4") - Ø 75 (3¼") att. Victaulic l = 1000 mm
	1107190		Rubber extension hose Ø 75 L 10 m Victaulic 3¼" + Victaulic 3¼"
	1107180		Victaulic kit for gasket for Ø 4" coupling for Ø 100 pipes
	1107194		Kit of 5 Victaulic Ø 3¼" joint gaskets for Ø 75 pipes
	1107195		Washing sponge for pipe Ø 75 (3¼")

Basic kit pumping concrete grain size 25 mm (1")

Accessories for pumping concrete with maximum grain size 25 mm (1")

➔ Recommended for pumping:

- Concrete with a maximum grain size of 25 mm
- Fiber-reinforced concrete
- Self-compacting concrete
- Refractory concrete (wet only)
- Grouting and fill core grouting

Total packaging weight (kg) 330

Pallet dimensions width / length / h (mm) 1100/3000/1100

Box dimensions width / length / h (mm) 370/800/470

1106123



- 7 Steel pipes Ø 4" L 3 m Victaulic 4"
- 1 rubber hose 4" L 3 m Victaulic 4" - free outlet
- 2 steel bends Ø 4" r = 250/90 ° Victaulic
- 2 steel bends Ø 4" r = 250/45 ° Victaulic
- 12 Fixed lever coupling Ø 4" Victaulic
- 15 Gasket for Victaulic Ø 4" coupling
- 2 washing sponges for pipes diam. 150/200
- 1 sponge collection basket Ø 4"
- 1 steel bend 90 ° 4" Victaulic
- 1 cap for Ø 100 Victaulic bend

Additional accessories to the basic kit **1106123**

1107174



Steel pipe extension Ø 4" L = 3 mt
Victaulic 4"

1107175



Steel pipe extension Ø 4" L = 1 mt
Victaulic 4"

1107206



Column support vertical pipes
Basic bend for pumping pipe column

1107176



Additional steel bend Ø 4" r = 250/90°
Victaulic

1107177



Additional steel bend Ø 4" r = 250/45°
Victaulic

1107179



Victaulic Ø 4" fixed lever coupling for
Ø100 pipes

1107205



Column support vertical pipes
Pipe support Ø 4" for wall

1107185



Rubber hose extension diam. 100 mm L. 3
m Victaulic 4"- Victaulic 4"

1107186



Rubber end hose diam. 100 mm L. 3 m
Victaulic 4"- free exit

1107198



U bend Ø 100 4" with hook for castings in
raised tube formwork with forklift / crane
/ excavator

1107180



Victaulic kit nr 5 gasket for Ø 4" coupling
for Ø100 pipes

1107202



Optional accessories for cleaning the pipe
with compressed air
4" hose cleaning kit

1107184



Optional accessories for cleaning the pipe
with compressed air
Sponge collection basket Ø 4"

1107183



Accessories for washing pipes Ø 100 (4")

Setups for specific applications **BOOSTER 15**

1106124

Shotcrete kit suitable for spraying aggregates with a maximum particle size of 12 mm

➔ Recommended (excluding the use of the gun and the additional compressor) for pumping:

- Self-levelling cement / anhydride based screeds
- Self-compacting concrete
- Grout and core fill grouting

➔ Recommended for spraying:

- Shotcrete
- Structural mortars also fiber reinforced

➔ Minimum requirements for additional compressor
4500 l/min - 159 cfm (optional)



Shotcrete kit base hoses Ø 50 L30m Victaulic (without additive)

- 2 rubber hoses Ø 50 L 10 m Victaulic 2" - Victaulic 2"
- 1 rubber hose Ø 50 L 10 m Victaulic 2" - camlock Ø 50
- 1 hopper grid for Spritzbeton, 15 mm width
- 1 Shotcrete spray gun Ø 50 with quick air connection 3/4"
- 1 Reduction cone Ø 100 (4") - Ø 50 (2") Victaulic I = 1000 mm
- 1 hose holder band
- 2 washing sponges for Ø 50 mm hose
- 1 Victaulic Ø 4" fixed lever coupling
- 2 gaskets for Ø 4" Victaulic coupling
- 3 fixed lever couplings Ø 2" Victaulic coupling
- 6 gaskets for Ø 2" Victaulic coupling
- 1 Ø 50 camlock coupling gasket

Complementary kit to code **1106124**

1107172

Automatic pump for dosing accelerating additives

It is an eccentric screw pump synchronized with the number of switchings of the S valve, capable of precisely dosing the quantity of additive pre set.

Very simple to use. Simply set the percentage of additive per cu. m. desired and the pump will keep it constant regardless of the pumping speed. The start and stop are synchronized with the material dispensing cylinders.



- Shotcrete gun with material inlet connection, Ø50 F camlock and double air inlet - additive with compressed air connections (Ludecke)
- Dosing pump complete with proportional valve and hydraulic pipes. Quick connection inlet 3/4 "and outlet connection type compressed air 3/4"
- Complementary control panel for additive pump;
 - ON / OFF and Manual / Automatic controls
 - Additive percentage setting based on the quantity of material pumped
 - Fixed flow manual mode function, for priming and washing
- 4 m hose with quick coupling for connection to additive container

Additional accessories to kits **1106124** and **1107172**

1106250



Shotcrete gun without additive inlet - Ø 50 camlock coupling and air inlet with 1/2" quick connection

1106251



Deflectors for shotcrete gun, without additive inlet

1107178



Victaulic pipe inspection and lubrication 90° bend

1107189



Terminal rubber hose Ø 50 mm L 10 m Victaulic 2" - camlock Ø 50

1107188



Rubber hose Ø 50 mm L 10 m Victaulic 2"

1107192



Shotcrete gun for additive - Ø 50 camlock coupling and 3/4" quick couplings. Double inlet for air and accelerating additive

1107187



Reduction cone Ø 100 (4") - Ø 50 (2")
Victaulic l = 1000 mm

1107521



Kit 10 pieces sponge for cleaning hose Ø 50

1107180



Victaulic kit n° 5 gasket for Ø 4" couplings for Ø100 still pipes

1107182



Kit n° 5 gasket for Ø 2" Victaulic couplings for Ø 50 hoses

1107179



Victaulic Ø 4" fixed lever couplings for Ø 100 hoses

1107181



Victaulic Ø 2" fixed lever couplings for Ø 50 hoses



SPIN 15 A

Continuous cycle mixer for premixed products

50 Hz

Spin 15 A 230V / 50Hz Sph 1.85 kW
1106102

60 Hz

Spin 15 A 115V / 60Hz Sph 1.85 kW with I-Dust grate
1106340

Spin 15 A 230V / 60Hz Sph 1.85 kW
1106101

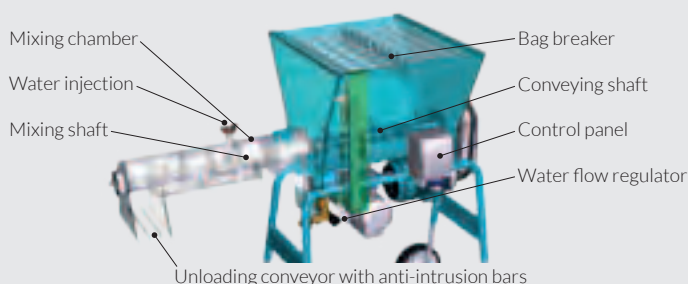


Exclusive I-Dust grate
It significantly reduces the dust caused by opening the bags (optional).



Professional components:

- Self-priming electropump in stainless steel
- Water flow descaling regulator
- Quick acting solenoid valve
- Double water filtering system
- Drainable antifreeze system



Description

Simple to use continuous cycle mixer for premixed products. It is lightweight for handling and easy to clean at the end of the day.

Equipped with an exclusive parallel-axis gearmotor and electronic starter, it is ideal for quickly mixing most dry premixed products with water. Easily adjust the loading / unloading height to allow for a minimal effort for loading.

The exclusive I-Dust grate (optional), when connected to a vacuum cleaner, considerably reduces the dust created when loading the material while keeping the work environment clean.

It is suitable for mixing premixed products:

- Premixed cement screed (also with fibers)
- Lightened screed pre-dosed with expanded clay with grain size <16 mm
- Lightened premixed screed with polystyrene
- Cement based plasters
- Lime based plasters
- Structural plasters with microfibers
- Restorative plasters
- Binders / mortars for injections
- Insulating plasters based on polystyrene or cork
- Mortars for structural reinforcement
- Masonry mortar
- Concrete for castings max grain size <8mm
- Self-levelling cement based screeds
- Self-levelling anhydride based screeds
- Thermal insulating screeds based on cork or polystyrene
- Glues for coatings
- Fireproofing

In combination with a plastering pump it can form a mixing and pumping unit.

Operation

The machine must be connected to the electrical and hydraulic network with the appropriate hose supplied. If a hydraulic connection with adequate pressure (2 bar) is not available, water can be drawn directly from a raised container. The standard pump will be able to self-power the Spin 15 A.

The bag of the premixed product is broken in the bag breaker grid above the hopper and the product is poured inside.

At this point, once the machine is turned on using the switch on the electrical panel, the material will begin to exit from the discharge conveyor. It is possible to adjust the quantity of mixing water at will, by acting on the micrometric flow regulator, until the desired product consistency is obtained.

At the end of the working day, after turning off the machine, it is enough to remove the mixing chamber only, leaving the dry material inside the hopper.

The mixing chamber is easily transportable to any place where it can be washed. When washing is complete, the Spin 15 A is ready for a new use.

Spin 15 A is equipped with CE-compliant safety systems:

- Mixing chamber safety sensor
- Anti-intrusion bars in the discharge conveyor (hand protection)
- Anti-loss bolt for the hopper grid
- IP 55 switch with release coil

It is also equipped with a double electrical protection system for the electric motors:

- Manual thermal reset circuit breaker
- Self-resetting motor thermal protector



Only 85 kg
The lightest in its category



Height adjustable in 3 positions



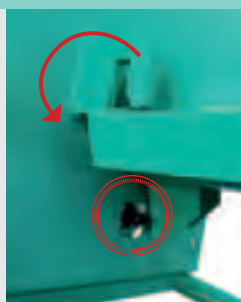
H load: 950 mm
H discharge: 455 mm



H load: 1095 mm
H discharge: 600 mm



H load: 1165 mm
H discharge: 670 mm



Automatic electric lock safety sensor in case of disassembly of the mixing chamber.



The specific patented IMER gearmotor with parallel axes allows to transfer the power of the motor with the minimum waste of driving force. The particular configuration with the motor turned under the hopper reduces the overall dimensions and allows the motor to always remain protected from direct cement powder jets.

Standard Equipment

- Single-phase gear cascade gearmotor
- Self-resetting motor thermal protector
- Electric control panel with on / off switch
- Thermal circuit breaker (motor protection) with manual reset
- Hopper with grate and bag breaker
- I-Dust grate (standard only in the model 1106340 115V / 60Hz)
- Removable mixing chamber
- Mixing shaft with Ardox steel paddles
- Water system with micrometric flow regulator
- Self-priming electropump (standard only in the model 1106102 - 230V / 50 Hz)
- Water flow meter (standard only in the model 1106340 115V / 60 Hz)
- 10 m water hose with quick couplings and 3/4" F quick connection
- Cardboard packaging


Technical data

Hopper capacity	l	60
Mixing performance*	l/min	17
Mixer revolutions	rpm	280
Motor power	kW	1.4
Electropump	kW	0.45
LpA operator position	dB(A)	<65
Weight (with packaging)	kg	85 (89)
Dimensions (width / length / h)	mm	701/1380/1165-950 (max-min)
Packaging dimensions (width / length / h)	mm	800/590/830

(*) The data relating to the hourly mixing performance are non-binding indicative values, which may vary according to the consistency of the materials.


Accessories

- 1107004**




Glues mixing kit for Spin 15 A
It reduces the mixing performance of the machine to 8 l / min and increases the mixing time by 45%.
➔ Recommended for:

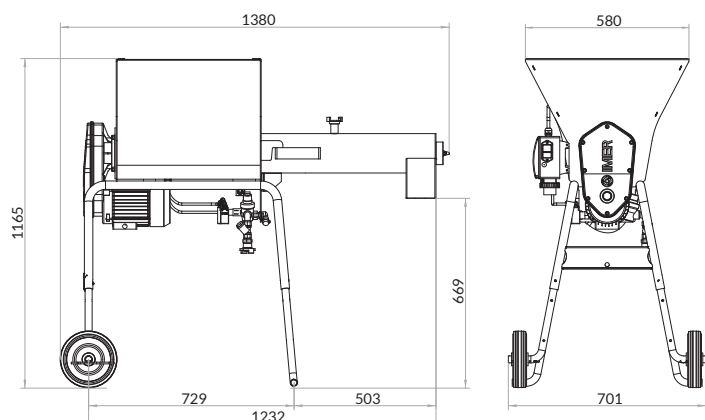
 - Glues for thermal insulation coatings
 - Binders / mortars for injections
- 1107601**



Flow meter kit for Spin 15 A
➔ Recommended for checking the amount of water to put in the mixture
- 1107629**



I-Dust grate for Spin 15 A



SPIN 30 Plus

Continuous cycle mixer for premixed products in bags and in silo

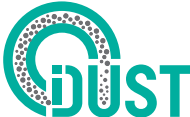
50 Hz

Spin 30 Plus 230V / 50Hz Sph 2.65 kW
1106151

60 Hz

Spin 30 Plus 230V / 60Hz Sph 2.65 kW
1106152

Spin 30 Plus 400V / 50Hz Tph 3.45 kW
1106150



Exclusive I-Dust grate

It significantly reduces the dust caused by opening the bags (optional).



Simple and intuitive controls:

- Mains voltage warning light
- Switch magnetermic
- Emergency button
- Phase inverter (Three-phase version)



Shaft and mixing chamber easily removable and transportable for cleaning at the end of the work (only 26 kg).

Description

Continuous cycle mixer for premixed products supplied in bags or from the silo through a conveying system (Storm Plus). Light in handling, also thanks to the large-sized wheels (370x60 mm) and the essential but particularly robust frame. Simple to use and easy to clean at the end of the day. Equipped with an exclusive parallel-axis gearmotor and electronic starter (single-phase version), it is ideal for quickly mixing most dry premixed products with water. In the case of bag loading, the exclusive I-Dust grate, when connected to a vacuum cleaner, significantly reduces the dust created when loading the material while keeping the work environment clean.

It is suitable for mixing premixed products:

- Premixed cement screed (also with fibers)
- Lightened screed pre-dosed with expanded clay with grain size < 16 mm
- Lightened premixed screed with polystyrene
- Cement based plasters
- Lime based plasters
- Structural plasters with microfibers
- Restorative plasters
- Binders / mortars for injections
- Insulating plasters based on polystyrene or cork
- Mortars for structurals reinforcement
- Masonry mortar
- Concrete for castings max grain size < 8mm
- Self-levelling cement based screeds
- Self-levelling anhydride based screeds
- Thermal insulating screeds based on cork or polystyrene
- Glues for coatings
- Fireproofing

Powerful and reliable, it is particularly suitable for medium and large construction sites. Combined with the Storm Plus conveying system connected to a silo, it becomes a fully automatic station for mixing mortars. In combination with a plastering pump it can form a mixing and pumping unit.

Operation

The machine must be connected to the electrical and hydraulic network with the appropriate hose supplied. If a hydraulic connection with adequate pressure (2 bar) is not available, water can be drawn directly from a raised container. The standard pump will be able to self-power the Spin 30 Plus.

The bag of the premixed product is broken in the bag breaker grate above the hopper and the product is poured inside. In the case of loading from the silo through a conveying system, it will be sufficient to activate the system. At this point, once the machine is turned on using the switch on the electrical panel, the material will begin to exit from the discharge conveyor. It is possible to adjust the quantity of mixing water at will, by acting on the micrometric flow regulator, until the desired product consistency is obtained.

At the end of the working day, after turning off the machine and any conveying system, it is enough to remove the mixing chamber only, leaving the dry material inside the hopper. The mixing chamber is easily transportable to any place where it can be washed. When washing is complete, the Spin 30 Plus is ready for a new use.

Spin 30 Plus is equipped with CE-compliant security systems:

- Mixing chamber safety sensor
- Anti-intrusion bars in the discharge conveyor (hand protection)
- Anti-loss bolt for the hopper grate
- Magnetothermic switch IP 55 with release coil

It is also equipped with a double electrical protection system for the electric motors:

- Self-resetting motor thermal protector
- Switch magnetermic



Blower hood with filters for connection to conveying system (optional).



Professional components:

- Self-priming electropump in stainless steel, with brass impeller
- Water flow descaling regulator
- Quick acting solenoid valve
- Double water filtering system
- Drainable antifreeze system



Exclusive patented mixer connection system:

- Hexagonal mixer shaft to facilitate extraction at the end of the work day
- Double driving pin
- Conveyor tube easily replaceable

Standard Equipment

Three-phase or single-phase motor
Self-resetting motor thermal protector
Electric control panel with rotation inverter in the three-phase version
Thermal magnetic switch with release coil
Hopper with grate and bag breaker
I-Dust grate (standard only in the model 1106152 - 230V / 60 Hz Sph)
Removable mixing chamber
Half-full wheels 370x60 mm
Mixing shaft with Ardox steel paddles
Water system with micrometric flow regulator
Water flow meter (standard only in the model 1106152 - 230V / 60 Hz)
10 m water hose with quick couplings and 3/4" F quick connection
Self-priming electropump in stainless steel

Technical data

Hopper capacity	l	110
Mixing performance*	l/min	35
Mixer revolutions	rpm	280
Motor power	kW	2.2 (Sph) / 3 (Tph)
Standard electropump	kW	0.45
LpA operator position	dB(A)	<65
Weight (with packaging)	kg	128 (153)
Dimensions (width / length / h)	mm	640/1800/1168
Packaging dimensions (width / length / h)	mm	800/1200/1320

(*) The data relating to the hourly mixing performance are non-binding indicative values, which may vary according to the consistency of the materials.

Accessories

1107514



Complete flow meter kit for Spin 30 Plus
➡ Recommended for checking the amount of water to put in the mixture

1107615



Single filter blower hood for Spin 30 Plus
(Level sensor not included)

1107620

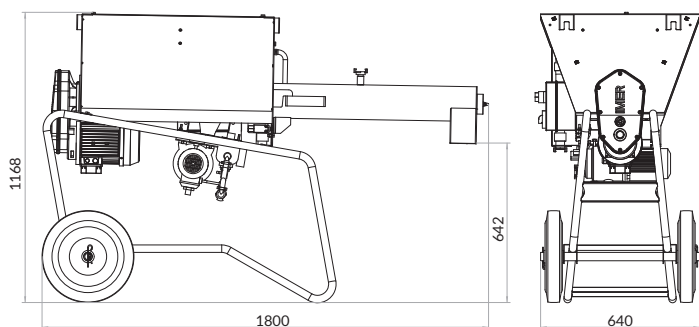


Blower hood with double filter, oversized for hopper extension (+250 l), for Spin 30 Plus
(Level sensor not included)

1107630



I-Dust grate for Spin 30 Plus



MIX-ALL

Compact mortar mixer

50 Hz

Mix-ALL 115V/50Hz Sph - 0.55 kW
1193976

Mix-ALL 230V/50Hz Sph - 0.55 kW
1193977

60 Hz

Mix-ALL 115V/60Hz Sph - 0.55 kW
1193988

Mix-ALL 230V/60Hz Sph - 0.55 kW
1193972



MIX 60 Plus

Compact mortar mixer

50 Hz

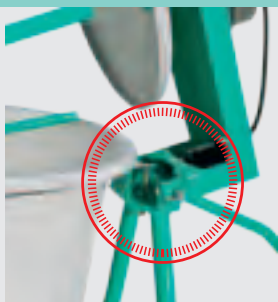
Mix 60 Plus 115V/50Hz Sph - 0.55 kW
1193980

Mix 60 Plus 230V/50Hz Sph - 0.55 kW
1193978

60 Hz

Mix 60 Plus 115V/60Hz Sph - 0.55 kW
1193981

Mix 60 Plus 230V/60Hz Sph - 0.55 kW
1193979



The power switch is equipped with a safety mechanism which prevents the engine from starting autonomously when the mixing paddle is lowered and it stops the rotation of the mixing paddle automatically when it is raised to remove the drum.



The anti-intrusion rotating disc above the mixing paddle allows the peripheral distribution of the material gradually when it is poured, and helps to protect the operator from any distractions. In addition, the mixing speed is increased and optimized.

Description

Light and compact, easily transportable in any place, they are the ideal solution for use on renovation sites where space is limited. Also excellent for mixing smoothing products, where the quantities immediately necessary are not high. Easy to clean, without spilling water in the work area.

Mix-ALL

Particularly suitable for mixing fine grain aggregates or fluid products:

- Plaster / cement / lime based finishing plasters
- Binders / mortars for injections
- Concrete with a maximum grain size of 4 mm
- Self-levelling cement / anhydride based screeds
- Light heat insulating materials (only in 50 l bags)
- Cement / anhydride based self-levelling underlayment
- Cementitious adhesives for thermal coating or tiles
- Fireproofing
- Waterproofing, seal even fiber-reinforced
- Colored smoothers and paints

Mix 60 Plus

Suitable for mixing premixed or traditional coarse materials:

- Mortars for screed / bedding / reinforcements, also fiber-reinforced
- Lime / cement / plaster based plasters
- Structural plasters
- Restorative plasters
- Binders / mortars for injections
- Polystyrene / cork / clay based insulating plasters (50 l bags only)
- Concrete with a maximum grain size of 6 mm
- Thermal insulating screeds with polystyrene / expanded clay up to 8 mm (in 50 l bags)

Operation

With the machine positioned, the electric motor is started using the switch on the electrical panel. Pour the necessary water for the mixture into the drum, the material must be poured directly over the rotating disc, which will gradually distribute the product inside the drum.

Per the instructions for the material, mix for the time necessary for the product to obtain a homogeneous mixing. The times required to obtain a homogeneous mixture vary from a few seconds to a few minutes depending on the type of product used and the manufacturer's indications.

For cleaning at the end of the work, with the machine running, simply pour water slowly over the rotating disc, cleaning it from the residues of material.

The waste water inside the drum makes a rough cleaning of the paddle. Once the machine has been turned off and the paddle raised, the drum can be cleaned.

All residual water remains inside the drum and can be easily moved to the disposal area.

Free from periodic maintenance, the mixer only requires routine checks on the safety systems and the state of wear of the drum.

If necessary, to further facilitate transport, the machines can be easily dismantled into four parts:

- Gearmotor with support
- Mixing paddle
- Drum support frame
- Drum

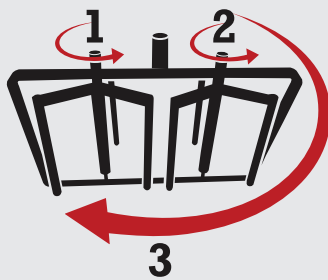
MIX-ALL

Recommended for mixing thin grain
or very fluid products.



MIX 60 Plus

Recommended for mixing premixed
or traditional coarse materials with
aggregates up to 6 mm.



Exclusive IMER three-movement mixing paddle. Composed of an active peripheral element and two passive satellites, capable of moving the material in three different directions at each turn of the gearmotor. Particularly suitable for self-levelling products, finishing mortars and smoothing compounds in general.



Generic mixing paddle for mixing of multiple types of product. Particularly suitable for masonry mortars, screed mortars or rough plaster.

Standard Equipment

Gearmotor with parallel shaft gears in oil bath
Electric motor
Electric safety limit switch
IP55 undervoltage coil switch and IP67 plug
Placing handle
2 drums in a shockproof plastic material LONG LIFE
Exclusive three-movement paddle (Mix-ALL)
Universal paddle (Mix 60 Plus)
Cardboard packaging

Technical data Mix-ALL / Mix 60 Plus

Drum capacity	l	56
Mixing performance	l	47
Drum diameter	mm	580
Paddle speed	rpm	55
Electric motor	kW	0.55
SPL in operator's position dB	dB(A)	59
Machine weight (packaging)	kg	30 (32)
Dimensions width / length / h (packaging)	mm	599/664/758 (590/630/540)
Max. stackability*		3 (h 1690 mm)

(*) Number of stackable pieces and total height including pallet

Accessories

1193965

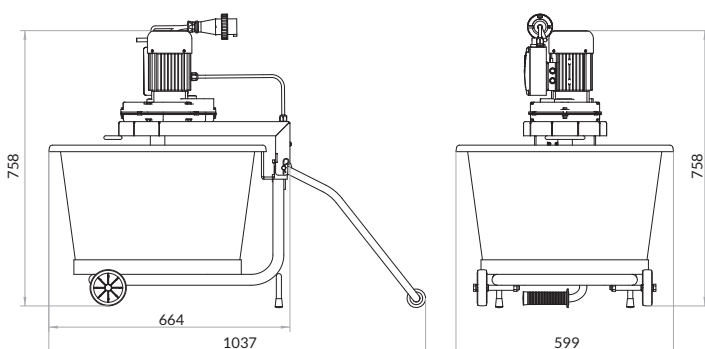


Specific paddle for mixing cementitious adhesives for fixing tiles or thermal coatings. Also excellent for the mixing of lightened materials (only 50 l bags)

1193968



Kit 5 drums in shockproof material **LONG LIFE**.

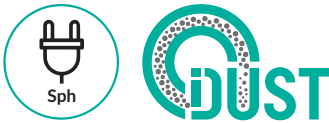


MIX 80

Planetary mortar mixer with forced action

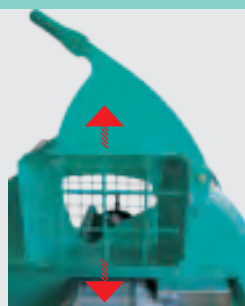
Mix 80 115V/50 Hz Sph - 1.1 kW
1194084

Mix 80 230V/50 Hz Sph - 1.1 kW
1194080



Forced speed planetary mixing system:

- Ease and speed in loading premixed products in bags
- Significant reduction in mixing time
- Unmatched homogeneity of the mixture
- Reduction of dust released into the environment



The anti-intrusion grate is an indispensable element and must not be an obstacle to the passage of the material. IMER has adopted an effective patented system to manually scroll the conveyor if necessary, freeing the passage of the material. Useful especially when using fiber-reinforced products.

Description

Forced speed planetary mixers are the best solution to mix premixed or pre-dosed products in bags in an optimal way and with as little effort as possible.

The exclusive I-Dust grate with an integrated bag breaker placed in a horizontal position, facilitates the loading of bags of material with minimal effort by the operator. When connected to a vacuum, the I-Dust grate significantly reduces the dispersion of dust in the surrounding environment.

The homogeneity of the mixed product is unmatched, with total absence of lumps of cement in the case of mortars for floor screeds, or of lumps of fiber in the case of fiber-reinforced products.

If necessary, Mix 80 can be used to mix traditional products, with the maximum mixing performance and homogeneity of the mixture.

Suitable for mixing:

- Premixed or traditional cement screed, also with the addition of fibers and / or additives
- Lightened screed pre-dosed with expanded clay with grain size <10 mm (maximum 1 bag per cycle)
- Self-levelling anhydride / cement based screeds
- Cement / lime / gypsum based plasters
- Fiber-reinforced structural plasters also with the addition of additives
- Restorative plasters
- Traditional plasters
- Binders / mortars for injections
- Mortars for reinforcement
- Premixed / traditional masonry mortars
- Concrete with grain size <8 mm
- Cementitious adhesives
- Mortars and stuccos
- Waterproofing seal

Operation

The machine must be connected to a vacuum cleaner to limit the dispersion of dust.

Once the machine is turned on using the switch located on the electrical panel, the mixer paddles start to turn clockwise. At this point it is possible to pour the first bag of material by breaking it on the appropriate bag breaker. After adding all the necessary water to the mixture, you can proceed to pour the remaining bag of material into the drum.

The rotation of the paddles moves the material from the bottom upward, and from the centre outward.

A few seconds of waiting is enough to obtain a mixed product without lumps of fiber or concrete balls.

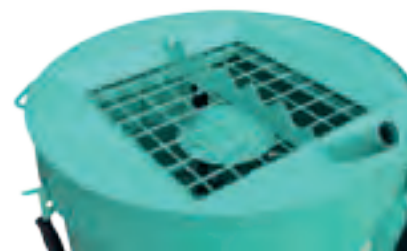
The product can be easily discharged by placing a container under the discharge conveyor and opening the special outlet while the machine is turned on.

Mix 80 can work continuously throughout the day. In case of accidental locking of the paddles, a self-resetting thermal protector will protect the electric motor.

For cleaning at the end of the work, simply pour water into the drum, allowing the paddles to do a first general wash. Once the machine is turned off and the grate is open, cleaning of drum and grate can be completed.

At the end, the residual water can be drained into a container located under the discharge conveyor.


Only 106 kg
The lightest in its category



I-Dust grate as standard
It limits the spread of dust in the surrounding environment during loading.



A safety mechanism stops the rotation of the mixing paddles automatically when the I-Dust grate is raised. The device acts in the opening hinge and is positioned in a point protected from impact and dirt.



Equipped with 4 wheels and removable handles for easy handling for small movements but also when it is necessary to load the Mix 80 on the means of transport. It is also equipped with hooks for lifting on 4 sides.

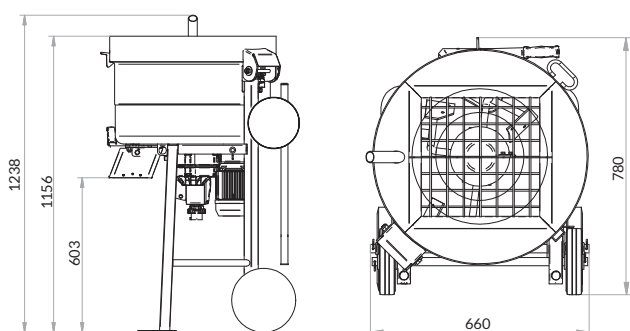
Standard Equipment

Single-phase electric gearmotor
Oil bath gearmotor
Electric safety grate opening
Self-resetting motor thermal protector
IP55 undervoltage coil switch and IP67 plug
Grate with bag breaker blade
Removable handles for handling
Lifting hooks on 4 sides
4 Wheels for handling and loading on the means of transport
I-Dust grate with connector tube for vacuum cleaner

Technical data

Drum capacity	l	80
Mixing performance	l/min	55
Drum diameter	mm	608
Max. grain size	mm	8
Paddle speed	rpm	44
Electric motor power	kW	1
SPL in operator's position	dB(A)	70
Load / discharge height	mm	1156 / 603
Machine weight (packaging)	kg	106(120)
Dimensions width / length / h	mm	660/780/1238
Packaging dimensions width / length / h	mm	730/1280/930
Max. stackability*		2 (h 1860 mm)

(*) Number of stackable pieces and total height including pallet.



Accessories

1107635



Rubber paddles kit complete with supports and bolts

- ➔ Recommended for mixing:
- Cementitious adhesives
 - Mortars and stuccos for smoothing
 - Binders / mortars for injections
 - Gypsum based plasters
 - Waterproofing seal

MIX 120 Plus

Planetary mixer with forced action for premixed in bags and traditional mortars

50 Hz

Mix 120 Plus 115V/50Hz Sph - 1.4 kW
1194301

Mix 120 Plus 230V/50Hz Sph - 1.4 kW
1194300

60 Hz

Mix 120 Plus 115V/60Hz Sph - 1.4 kW with I-Dust grate
1194302

Mix 120 Plus 230V/60Hz Sph - 1.4 kW
1194303



The rotation direction of the paddles allows to disintegrate any lumps and resume normal mixing without direct manual intervention.



Essential control panel:

- Emergency button
- Three-position selector: on, off and rotation direction.

The electric panel is equipped with protection devices to assist against overloads and accidental restart after a power failure or closing of the hopper grate.

Description

When it comes to mixing premixed or pre-dosed bagged materials, forced-speed planetary mixers are the best solution for mixing in an optimal way and with as little effort as possible.

The exclusive I-Dust grate (optional) with integrated bag breaker placed in a horizontal position facilitates the loading of bags of material with minimal effort by the operator. If connected to a vacuum cleaner, it significantly reduces the dispersion of dust in the surrounding environment.

The homogeneity of the mixed product is unmatched, with total absence of lumps of cement in the case of mortars for floor screeds, or of lumps of fiber in the case of fiber-reinforced products. If necessary, the Mix 120 Plus can be used to mix traditional products, with the maximum mixing performance and quality of the mixture.

Suitable for mixing:

- Premixed or traditional cement screed, also with the addition of fibers and / or additives
- Lightened screed pre-dosed with expanded clay with grain size <10 mm (2 bags per cycle)
- Thermal insulating screed (1 bag per cycle)
- Self-levelling anhydride / cement based screeds
- Cement / lime / gypsum based plasters
- Fiber-reinforced structural plasters also with the addition of additives
- Restorative plasters
- Traditional plasters
- Binders / mortars for injections
- Mortars for reinforcement
- Premixed / traditional masonry mortars
- Concrete with 8 mm grain size
- Cementitious adhesives (large quantities)
- Mortars and stuccos for smoothing (large quantities)
- Waterproofing seal (large quantities)

Operation

The machine has to be connected to a vacuum cleaner to limit the dispersion of dust (if equipped with an optional I-Dust grate).

Once the machine is turned on using the switch located on the electrical panel, the mixer paddles start to turn clockwise. At this point it is possible to pour the first bag of material by breaking it on the appropriate bag breaker. After adding the necessary water to the mix, you can proceed with loading the material into the drum.

The rotation of the paddles moves the material from the bottom upward, and from the centre outward.

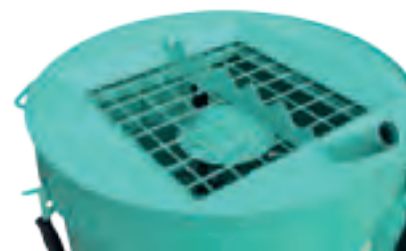
If you notice the formation of a few lumps, reverse the rotation direction of the paddles for a few seconds by acting on the appropriate selector (from position 1 to position 2).

A few seconds is enough to obtain a mixed product without lumps of fiber or concrete balls.

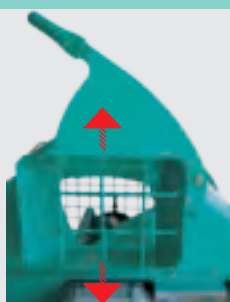
Easily discharge material by placing a container under the discharge conveyor and opening the appropriate outlet while the machine is on.

The Mix 120 Plus can work continuously throughout the day. In case of accidental locking of the paddles, a self-resetting thermal protector will protect the electric motor.

For cleaning, simply pour water into the drum, allowing the paddles to do a first general wash. Once the machine is turned off and the grate is open, cleaning of drum and grate can be completed. At the end, the residual water can be drained into a container located under the discharge conveyor.



Optional I-Dust grate.
The I-Dust grate limits the spread of dust in the surrounding environment while loading.



The anti-intrusion grate is an indispensable element and must not be an obstacle to the passage of the material. IMER has adopted an effective patented system to manually scroll the conveyor if necessary, freeing the passage of the material. This is especially useful when using fiber-reinforced products.



Adjustable load / discharge height.
The extendable legs make it possible to adjust the most comfortable loading height for filling the hopper, compatibly with the height of the container where the material is discharged:

- Position 1: H load 1160 mm / H discharge 610 mm (ideal for wheelbarrows and containers)
- Position 2: H load 1230 mm / H discharge 680 mm (ideal for plastering pumps or lifting buckets).

Standard Equipment

Single-phase electric motor
Oil bath gearmotor
Electric safety grate opening
Self-resetting motor thermal protector
Switch with undervoltage remote control IP55 and plug IP67
Paddle rotation reversing gear
Grate with bag breaker blade
I-Dust grate (only for 1194302 115V - 60 Hz model)
Lifting hooks positioned on 4 sides
4 wheels and removable handles, for handling and loading on the means of transport
Load / discharge height adjustable in two positions

Technical data

Drum capacity	l	120
Mixing performance	l/min	90
Drum diameter	mm	700
Max. grain size	mm	8
Paddle speed	rpm	38
Electric motor power	kW	1.4
SPL in operator's position	dB(A)	70
Double load / discharge height	mm	1230/680 - 1160/610
Machine weight (packaging)	kg	130 (139)
Dimensions width / length / h	mm	739/890/1282-1217 (max-min)
Packaging dimensions width / length / h	mm	780/870/1000
Max. stackability*		2 (h 2000 mm)

(*) Number of stackable pieces and total height including pallet

Accessories

1107618



Rubber paddles kit complete with supports and bolts

- Recommended for mixing:
 - Cementitious adhesives
 - Mortars and stuccos for smoothing
 - Binders / mortars for injections
 - Gypsum based plasters
 - Waterproofing

1107492

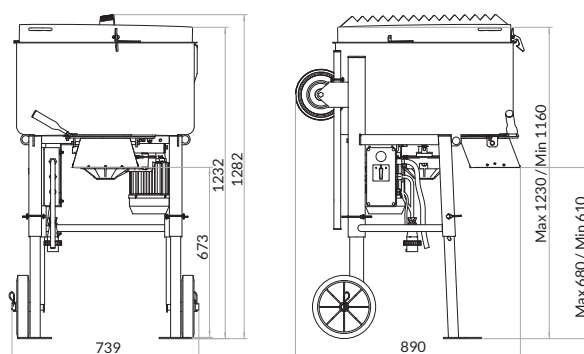


I-Dust grate

1107617



200 x 50 mm oversized wheels kit
Complete with axle and components for installation



MIX 360 R

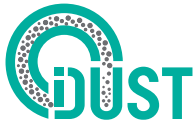
Planetary mixer with forced action for premixed mortars in bags or in silos and traditional mortars

50 Hz

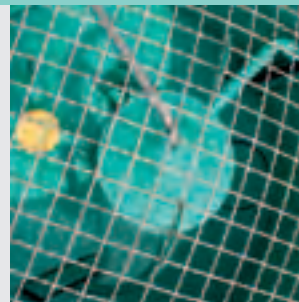
Mix 360 R 400V/50Hz Tph - 3 kW
1194591

60 Hz

Mix 360 R 230V/60Hz Tph - 3 kW
1194599



The design of the mixing paddles and the rotational satellite provide homogeneous mixtures in short times even with particularly heavy materials. The double thickness steel bottom limits wear due to particularly abrasive materials.



With the central jet tube, the water is released in the centre of the drum over the rotating diffuser, which distributes it over the entire surface of the material to speed up mixing, also limiting the dust in the air.

Description

Mix 360 is a forced action planetary mixer with a rotary satellite. It's the ideal solution for mixing large quantities of premixed bagged products or material extracted from a silo in the shortest possible time. It is also suitable for mixing traditional products packed on site.

The exclusive I-Dust grate (optional) with integrated bag breaker placed in a horizontal position facilitates the loading of bags of material with minimal effort by the operator. The exclusive I-Dust grate significantly reduces the dispersion of dust in the surrounding environment when connected to a vacuum cleaner.

Suitable for mixing:

- Premixed or traditional cement screed, also with the addition of fibers and / or additives
- Pre-dosed or traditional lightened screed with expanded clay with grain size > 20 mm
- Colored rubber granulate for anti-trauma floors
- Self-levelling anhydride / cement based screeds
- Thermal insulating screeds based on cork or polystyrene
- Cement / lime / gypsum based plasters
- Fiber-reinforced structural plasters also with the addition of additives
- Restorative plasters
- Traditional plasters
- Binders / mortars for injections
- Insulating plasters based on polystyrene or cork
- Mortars for fiber-reinforced reinforcement
- Premixed / traditional masonry mortars
- Concrete with 6 mm grain size
- Concrete for continuous draining floors
- Fireproofing

In combination with a plastering pump it can form a mixing and pumping unit.

Operation

The machine must be positioned flat on the support legs.

When the machine is turned on, the mixer paddles turn clockwise. Begin the first bag of material by breaking it on the bag breaker located above the grate, and then add the water for the mixture. After adding the water, continue to load the remaining product without interruption, being careful not to exceed the water level.

Initially pour sand into the drum and, subsequently, all the water for the mixture when mixing traditional products (such as mortar for masonry). Then you can proceed to pour the bags of cement and finally the sand.

The rotation of the paddles moves the mixture from the bottom upwards and from the centre outwards. The satellite blade rotates counterclockwise with respect to the movement paddles, moving and breaking the mass of the material several times. After a few seconds of waiting, the product is mixed with no lumps, concrete balls or fibers.

The product can be easily discharged through the discharging outlet with PAT ("Pull up And Turn") hermetic closure, by pulling the appropriate lever upwards and turning it counterclockwise.

For cleaning, simply pour water into the drum with the machine on, allowing the paddles to make a first general wash. Once the machine is turned off and the grate is open, cleaning of drum and grate can be completed. At the end, the residual water can be discharged into a container placed under the discharge outlet.



Easy positioning of the machine:

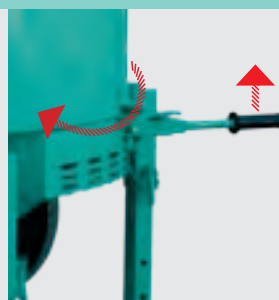
1. Lift the machine from the towing side by levering on the drawbar.
2. Remove the legs up to the desired height (min. 445 max. 745 mm), locking them with the appropriate pins.
3. Lift the machine from the side of the discharge outlet using the special lifting foot.
4. Extend the legs to the same height as those of the towing side, locking them with the appropriate pins.



Two versions:

- Petrol powered engine with external accelerator lever and centrifugal clutch to stop the paddles when the engine is at idle speed.
- Three-phase electric motor with magnetothermic switch for switching on and off.

The power units are protected under the hood and easily accessible for any maintenance.



Exclusive PAT "Pull up And Turn" hermetic closure system, which allows the discharge outlet to be opened and closed with minimal effort, ensuring hermetic tightness. A cleaning brush for the discharge grate directly connected to the opening helps to avoid the blockages of the discharge especially with fibrous materials.

Standard Equipment

Honda GXV340 8.1 kW petrol engine (for 1194597 model)
Three-phase electric motor
Safety switch for opening the grate when the petrol engine is switched off
Magnetothermic switch with undervoltage coil IP55, plug IP67
Grate with bag breaker blade
Water pipe connection with open / closed valve
Washing gun
Mixing paddles with rotating satellite
Adjustable load and discharge height
Hermetic discharge outlet with exclusive PAT closure system
Mechanical lifting foot
Towbar not EU approved for roading
Pneumatic wheels and axle with independent elastic suspensions for excellent mobility on site

Technical data

Drum capacity	l	360
Mixing performance	l/min	200
Drum diameter	mm	952
Paddle speed: electric motor / petrol engine	rpm	36/36
Motor power: electric motor / petrol engine	kW	3/8.1
SPL in operator's position: electric motor / petrol engine	dB(A)	70/88
Discharge height: max. - min.	mm	745-445
Machine weight: electric motor / petrol engine	kg	357/360
Dimensions with drawbar width / length / h	mm	1200/2900/1200
Dimensions for transport width / length / h	mm	1200/1700/1250
Max. stackability*		2 (h 2000 mm)

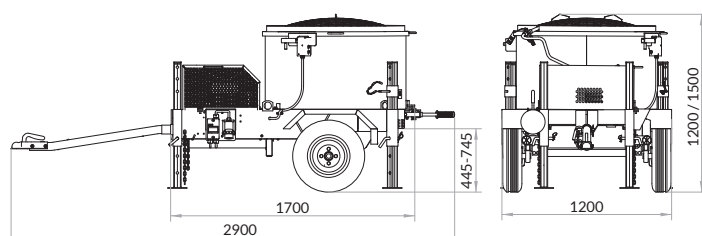
(*) Number of stackable pieces and total height including pallet

Accessories

1107494



I-Dust grate for MIX 360

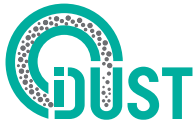


MIX 750

Planetary mixer with forced action for premixed mortars in bags or in silos and traditional mortars

Mix 750 400V/50Hz Tph - 4 kW
1194637

Mix 750 with Honda petrol engine 8.1 kW
1194636



The design of the mixing paddles and the rotational satellite provide homogeneous mixtures in short times even with particularly heavy materials. The double thickness steel bottom limits wear due to particularly abrasive materials.



A safety device blocks the opening of the grate. If necessary, the grate can be opened by unlocking the safety device that automatically stops the rotation of the paddles. When it is closed again, the machine must be started again, as required by safety regulations.

Description

Mix 750 is a forced action planetary mixer with a rotary satellite. It's the ideal solution for mixing large quantities of premixed bagged products or material extracted from a silo in the shortest possible time. It is also suitable for mixing traditional products packed on site. It guarantees great capacity and reliability.

Suitable for mixing:

- Premixed or traditional cement screed, also with the addition of fibers and / or additives
- Pre-dosed or traditional lightened screed with expanded clay with grain size > 20 mm
- Colored rubber granulate for anti-trauma floors
- Self-levelling anhydride / cement based screeds
- Thermal insulating screeds based on cork or polystyrene
- Cement / lime / gypsum based plasters
- Fiber-reinforced structural plasters also with the addition of additives
- Restorative plasters
- Traditional plasters
- Binders / mortars for injections
- Insulating plasters based on polystyrene or cork
- Mortars for fiber-reinforced reinforcement
- Premixed / traditional masonry mortars
- Concrete with 16 mm grain size
- Concrete for continuous draining floors
- Fireproofing

In combination with a plastering pump it can form a mixing and pumping unit.

Operation

The machine must be positioned flat on the support legs.

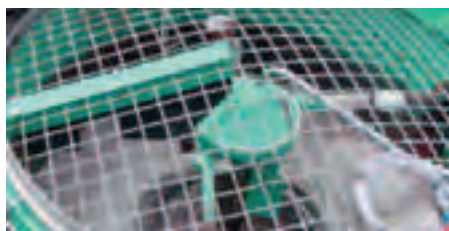
When the machine is turned on, the mixer paddles turn clockwise. Begin the first bag of material by breaking it on the bag breaker located above the grate, and then add the water for the mixture. After adding the water, continue to load the remaining product without interruption, being careful not to exceed the water level.

Initially pour sand into the drum and, subsequently, all the water for the mixture when mixing traditional products (such as mortar for masonry). Then you can proceed to pour the bags of cement and finally the sand.

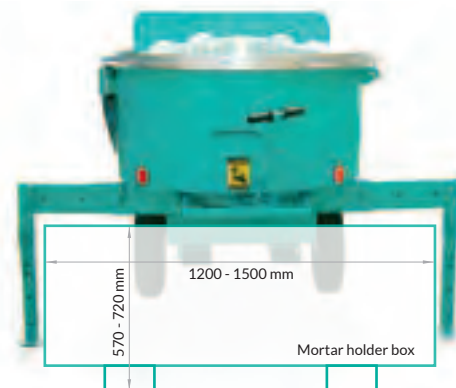
The rotation of the paddles moves the material from the bottom upward, and from the centre outward. The satellite blade rotates counterclockwise with respect to the movement paddles, moving and breaking the mass of the material several times. After a few seconds the product is mixed with no lumps, concrete balls or fibers.

The product can be easily discharged through the discharge outlet with PAT ("Push And Turn") hermetic closure, by pushing the appropriate handlebar towards the drum and turning it counterclockwise.

For cleaning, simply pour water into the empty drum with the machine on, allowing the paddles to make a first general wash. Once the machine is turned off and the grate is opened, cleaning of drum and grate can be completed. At the end, the residual water can be discharged into a container placed under the discharge outlet.



The special central jet tube in the centre of the drum, above the rotating diffuser, distributes water over the whole surface of the material to speed up mixing, also limiting the dust in the air.



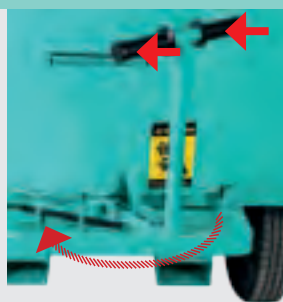
Easy positioning of the machine:

1. Extend the legs from the side of the discharge outlet up to the desired distance, locking them with special pins.
2. Lift the machine from the towing side by levering on the drawbar.
3. Remove the legs to the desired height, locking them with the appropriate pins.
4. Lift the machine from the side of the discharge outlet using the appropriate lifting foot.
5. Extend the legs to the same height as those of the towing side, locking them with the appropriate pins.



Bidirectional guide for forklift. The guide system allows to lift the Mix 750 very easily and safely from three parts:

- Right side
- Left side
- Discharge outlet side



Exclusive PAT "Push And Turn" hermetic closure system, which allows the discharge outlet to be opened and closed with minimal effort, ensuring hermetic sealing. A cleaning brush for the discharge grate directly connected to the opening helps to avoid the blockages of the discharge especially with fibrous materials.

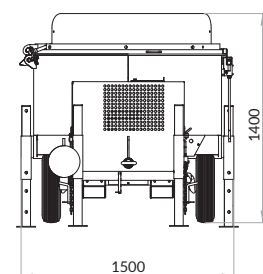
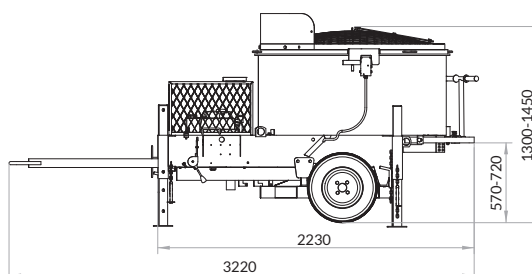
Standard Equipment

Honda GXV340 8.1 kW petrol engine (petrol version)
External accelerator lever (petrol version)
Centrifugal joint to stop the paddles when the engine is idling (petrol version)
Three-phase electric motor kW4 (electric version)
Grate opening safety switch
Magnetothermic switch with IP55 undervoltage coil, plug IP67 (electric version)
Safety switch for opening the grate when the petrol engine is switched off
Grate with bag breaker blade
Water pipe connection with open / closed valve
Washing gun
Mixing paddles with rotating satellite
Adjustable load and discharge height: 1390/570 mm - 1730/910 mm
Hermetic discharge outlet with exclusive PAT closure system
Mechanical lifting foot
Bidirectional guides for forklift
Towbar not EU approved for roading
Pneumatic wheels and axle with independent elastic suspensions

Technical data

Drum capacity	l	750
Mixing performance	l/min	480
Drum diameter	mm	1300
Paddle speed: electric motor / petrol engine	rpm	36
Motor power: electric motor / petrol engine	kW	4/8.1
SPL in operator's position: electric motor / petrol engine	dB(A)	70/88
Discharge height: max. - min.	mm	720-570
Machine weight: electric motor / petrol engine	kg	720/721
Dimensions with drawbar width / length / h	mm	1500/3220/1400
Dimensions for transport width / length / h	mm	1500/2230/1400
Max. stackability*		2 (h 2500 mm)

(*) Number of stackable pieces and total height including pallet



PRO-TEK LINE Compatible Accessories

Stators and rotors Series "D" Dimensions Length 273 mm (in 10.74) x Diameter 90 mm (in 3.5)
Dedicated to Three-phase machines



D6-3 Orange



Packaging 6 pieces for single code

➔ Recommended for:

- Cement / lime / gypsum plaster based
- Stucco
- Binders / mortars for injections
- Glues for thermal insulation coatings
- Fireproofing
- Self-levelling screeds for thicknesses up to 1.5 cm

Pressure: bar 30 (PSI 435)

Maximum grain size: 3 mm (in 0.12)

Flow rate at 400 rpm: 20 l/min (Gal/min 5.3)

1107020



Stator D6-3

1107021



Rotor D6-3

1107017



Rotor D6-3 FLEX

1107163



Rotor D6-3 with Tab

D5-2.5 Grey



Packaging 6 pieces for single code

➔ Recommended for:

- Cement / lime based plasters
- Structural plasters
- Restorative plasters
- Structural reinforcement mortars
- Grout / Core-Fill Grout
- Fireproofing

Pressure: bar 25 (PSI 363)

Maximum grain size: 3mm (in 0.12)

Flow rate at 400 rpm: 25l/min (Gal/min 6.6)

1107040



Stator D5-2.5
NO SPINNING

1107023



Rotor D5-2.5

1107044



Rotor D5-2.5 FLEX

D7-2.5 White



Packaging 6 pieces for single code

➔ Recommended for:

- Cement / lime based plasters
- Structural plasters
- Restorative plasters
- Structural reinforcement mortars
- Grout / Core-Fill Grout
- Fireproofing

Pressure: bar 25 (PSI 363)

Maximum grain size: 4mm (in 0.16)

Flow rate at 400 rpm: 27 l/min (Gal/min 7.2)

1107041



Stator D7-2.5
NO SPINNING

1107025



Rotor D7-2.5

D8-2 Black



Packaging 6 pieces for single code

➔ Recommended for:

- Grout / Core-Fill Grout
- Self-levelling cement-based screeds
- Self-levelling anhydride-based screeds
- Structural reinforcement mortars
- Fireproofing

Pressure: bar 20 (PSI 363)

Maximum grain size: 3mm (in 0.12)

Flow rate at 400 rpm: 34 l/min (Gal/min 9)

1107042



Stator D8-2
NO SPINNING

1107027



Rotor D8-2

1107043



Rotor D8-2 Flex

D8-1.5 Ocher Yellow



Packaging 6 pieces for single code

➔ Recommended for:

- Self-levelling anhydride-based screeds
- Thermal insulating screeds based on cork or polystyrene
- Insulating plasters based on polystyrene or cork
- Structural reinforcement mortars
- Grout / Core-Fill Grout

Pressure: bar 15 (PSI 218)

Maximum grain size: 5mm (in 0.16)

Flow rate at 400 rpm: 38l/min (Gal/min 10)

1107028



Stator D8-1.5
CLAMP

1107031



Rotor D8-1.5
(Green) MONO

1107029



Rotor D8-1.5 with tab

D4-1/2 Lemon Yellow



Packaging 6 pieces for single code

➔ Recommended for:

- Glues for coatings
- Touch pointing
- Finish coat

Pressure: bar 25 (PSI 363)

Maximum grain size: 3mm (in 0.12)

Flow rate at 400 rpm: 13l/min (Gal/min 3.4)

1107032



Stator D4-1/2
CLAMP

1107033



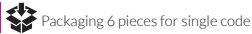
Rotor D4-1/2 MONO

PRO-TEK LINE Compatible Accessories

Stators and rotors Series "D" Dimensions Length 273 mm (in 10.74) x Diameter 90 mm (in 3.5)
Dedicated to Single-phase machines



D5-2.5 Purple



- ➔ Recommended for:
- Gypsum/lime / cement based plasters
 - Structural plasters, even fiber-reinforced
 - Restorative plasters
 - Binders / mortars for injections
 - Structural reinforcement mortars
 - Fireproofing

Pressure: bar 25 (PSI 363)

Maximum grain size: 4mm (in 0.16)

Flow rate at 300 rpm: 17l/min (Gal/min 4.5)

1107038



Stator D5-2.5
MONO

1107039



Rotor D5-2.5
MONOFLEX

1107084



Stator D5-2.5
MONO CLAMP

1107085



Rotor D5-2.5 MONO

1107162



Rotor D5-2.5 MONO
with tab

D8-1.5 Green



- ➔ Recommended for:
- Grout / Core-fill Grout
 - Structural reinforcement mortars
 - Self-levelling cement-based screeds
 - Self-levelling anhydride-based screeds
 - Polystyrene based thermal insulating screeds
 - Insulating plasters based on polystyrene or cork
 - Fireproofing

Pressure: bar 15 (PSI 218)

Maximum grain size: 6mm (in 0.23)

Flow rate at 300 rpm: 26l/min (Gal/min 7)

1107030



Stator D8-1.5
MONO CLAMP

1107031



Rotor D8-1.5 MONO

1107029



Rotor D8-1.5
(ocher yellow)
with tab

D4-1/2 Lemon Yellow



- ➔ Recommended for:
- Glues for coatings
 - Touch pointing
 - Finish coat

Pressure: bar 25 (PSI 363)

Maximum grain size: 3mm (in 0.12)

Flow rate at 300 rpm: 9l/min (Gal/min 2.33)

1107032



Stator D4-1/2
CLAMP

1107033



Rotor D4-1/2 MONO

Stators and rotors Series "R" Dimensions Length 273 mm (in 10.74) x Diameter 115 mm (in 4.5)
Dedicated to Three-phase machines



R8-1.5 Black

- ➔ Recommended for:
- Self-levelling cement-based screeds
 - Self-levelling anhydride-based screeds
 - Structural reinforcement mortars
 - Grout / Core-Filling Grout
 - Cork / polystyrene based insulating screeds

Pressure: bar 15 (PSI 218)

Maximum grain size: 8mm (in 0.3)

Flow rate at 400 rpm: 80l/min (Gal/min 21)

1107622



Stator R8-1.5
Clamp

1107623



Rotor R8-1.5 with tab

R7-1.5 Mustard

- ➔ Recommended for:
- Self-levelling cement-based screeds
 - Self-levelling anhydride-based screeds
 - Binders / mortars for injections
 - Structural reinforcement mortars
 - Grout / Core-fill Grout
 - Fireproofing

Pressure: bar 15 (PSI 218)

Maximum grain size: in 0.26 (7mm)

Flow rate at 400 rpm: 60l/min (Gal/min 16)

1107624



Stator R7-1.5 Clamp

1107664



Rotor R7-1.5 with tab

PRO-TEK LINE Compatible Accessories

Large-sized stators and rotors

2L-6 Ocher Yellow

➔ Recommended for:

- Traditional lime / cement plasters
- Premixed / pre-dosed plasters based on cement / lime / colored plaster (Monokote-Monocapa)
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Grout / Core-Fill Grout
- Adhesives for thermal insulation coatings
- Waterproofing products (only for large surfaces)
- Fiber-reinforced Mortar
- Structural reinforcement mortars
- Binders / mortars for consolidation injections
- Fireproofing

Dimensions: Length x Diameter 535mm (in 21) x 100mm (in 4)

Pressure: bar 30 (PSI 435)

Maximum grain size: 6mm (in 0.24)

Flow rate at 200 rpm: 40l/min (Gal/min 11)

1107077



Statore 2L-6

(Assembly only combined with 3224334 strector)

1107078



Rotor 2L-6

60.12 / 2L74 Ocher Yellow

➔ Recommended for:

- Core filling grout, even with metal / polypropylene / carbon / glass fibers
- Fiber-reinforced concrete
- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds
- Refractory mortars (only for wet application)
- Shotcrete

Dimensions: Length x Diameter 665mm (in 26.2) x 125mm (in 5)

Pressure: bar 20 (PSI 290)

Maximum grain size: 10mm (in 0.4)

Flow rate at 200 rpm: 120l/min (Gal/min 32)

1107081



Stator 60.12/2L74
CLAMP

1107083



Rotor 60.12/2L74

IM 25L Blue

➔ Recommended for:

- Traditional lime / cement plasters
- Premixed / pre-dosed structural plasters
- Premixed / pre-dosed restorative plasters
- Fiber-reinforced Mortar
- Structural reinforcement mortars
- Masonry mortars
- Binders / mortars for consolidation injections
- Filling grout also with metal / polypropylene / carbon / glass fibers
- Fireproofing
- Refractory mortars (only for wet application)
- Grout / Core-Fillgrout
- Insulating plasters based on polystyrene or cork
- Shotcrete (small applications)

Dimensions: Length x Diameter 370mm (in 14.6) x 125mm (in 5)

Pressure: bar 20 (PSI 290)

Maximum grain size: 8mm (in 0.31)

Flow rate at 200 rpm: 45l/min (Gal/min 12)

1107110



Stator IM 25L
CLAMP

1107111



Rotor IM 25L

1.5 L7 White

➔ Recommended for:

- Grout Core-fill grout max. grain size 12 mm
- Grout with metal / polypropylene / carbon / glass fibers
- Self-levelling cement / anhydride based screeds
- Light weight polystyrene-based screeds
- Refractory mortar (wet application only)
- Shotcrete

Dimensions: Length x Diameter 554mm (in 21.8) x 159mm (in 6.3)

Pressure: bar 15 (PSI 218)

Maximum grain size: 12mm (in 0.47)

Flow rate at 200 rpm: 200l/min (Gal/min 53)

1107219



Stator 1.5 L7
CLAMP

1107218



Rotor 1.5 L7

STATORS AND ROTORS COMPARISON

Stator

- Highly abrasion resistant rubber
- Self-setting

No Spinning stator

- With anti-rotation tab
- Highly abrasion resistant rubber
- Self-setting

Clamp stator

- With bolts for wear compensation
- Highly abrasion resistant rubber

Mono stator

- Highly abrasion resistant rubber
- Self-setting
- Suitable for single-phase machines

Mono Clamp stator

- With bolts for wear compensation
- Highly abrasion resistant rubber
- Suitable for single-phase machines

Flex rotor

- Abrasion resistant steel
- Hardening heat treatment

Rotor

- Special steel, highly abrasion resistant
- Hardening heat treatment

Rotor with tab

- With drive tab for turbomixer
- Highly abrasion resistant special steel
- Hardening heat treatment

Monoflex rotor

- Abrasion resistant steel
- Hardening heat treatment

Mono rotor

- Highly abrasion resistant special steel
- Hardening heat treatment
- Suitable for single-phase machines

Koine mixing shafts

1107542



Standard mixer

1107597



Mixer for self-levelling floor screeds

1107541



Mixer for lightened materials

1107517



Turbo mixer with Ø35 and Ø25 manifold. For combinations with non-IMER machines, use spare parts recommended in the appropriate section

Plaster / Stucco / Traditional mortar / Fireproofing spray guns

1107540



Ø 25 F spray gun for traditional/premixed plaster with Ø14 duse

1107568



Ø 25 F spray gun with no-spreading ball valve and air flow regulator

1107549



Ø 25 F spray gun, 1.43 m long for fireproofing and premixed plaster

1107577



Ø 35 M spray gun for traditional plasters / premixed / stucco

Finishing coat / Decorative plaster / Spacing / Injections spray gun

1107011



Ø 25 F spray gun for finishing coat / filling / touch pointing / injections without deflectors, with air flow regulator and no-spreading ball valve

1107561

Kit 3 deflectors Ø 5 hardened steel for finishing coat and decorative plaster

1107562



Kit 3 deflectors Ø 6 hardened steel for finishing coat and decorative plaster

1107563

Kit 3 deflectors Ø 8 hardened steel for finishing coat and decorative plaster

1107564

Kit 3 deflectors Ø 12 hardened steel for fills deep spaces by spraying the mortar

1107604



Deflector kit 5-6-8-12-16 tempered stainless steel

Guns for Grouting / Spacing fills

1107504



Spacer filler gun for A1 panel with control sensor: On-Open / Off-Closed 24V socket

1107499



- Sectionable steel tube to obtain the desired outlet diameter.
- No spreading ball valve

Shotcrete guns

1107192



Shotcrete gun for additive - Ø 50 coupling cams and 3/4" quick couplings. Double inlet for air and accelerating additive

1106250



Shotcrete gun without additive inlet - Ø 50 coupling cams and air inlet with 1/2" quick connection

1106251



Deflectors for shotcrete gun, without additive inlet

U bend hose for filling

1107570



U-shaped steel pipe Ø 25

PRO-TEK LINE Compatible Accessories

Deflectors (Duse)

Standard polyurethane deflectors (Duse).

➡ Recommended for:

- Gypsum / lime / cement based plasters
- Fireproofing materials
- Adhesives for thermal insulating coatings
- Polystyrene or cork based insulating plaster

1107551	10 pcs kit deflectors Ø 10 (Duse) in polyurethane for premixed plaster
1107552	10 pcs kit deflectors Ø 12 (Duse) in polyurethane for premixed plaster
1107553	10 pcs kit deflectors Ø 14 (Duse) in polyurethane for premixed plaster
1107554	10 pcs kit deflectors Ø 16 (Duse) in polyurethane for premixed plaster



Conical polyurethane deflectors

The considerable thickness of the polyurethane and the pronounced exit cone with an angle of 10 ° ensure the best flow of material and a four times the life of normal deflectors.

➡ Particularly recommended for:

- Traditional mortar lime / cement base
- Premixed / pre-dosed structural fiber-reinforced plasters
- Premixed / pre-dosed restoring plasters
- Fiber-reinforced mortars for reinforcement
- Fireproofing materials
- Refractory mortars (only for wet application)

1107557	5 pcs kit deflectors Ø 10 in polyurethane for traditional plaster
1107558	5 pcs kit deflectors Ø 12 in polyurethane for traditional plaster
1107559	5 pcs kit deflectors Ø 14 in polyurethane for traditional plaster
1107560	5 pcs kit deflectors Ø 16 in polyurethane for traditional plaster



Material hoses cleaning sponge balls

1107519	Kit 10 pcs sponge balls for cleaning Ø 25 hoses
1107520	Kit 10 pcs sponge balls for cleaning Ø 35 hoses
1107521	Kit 10 pcs sponge balls for cleaning Ø 50 hoses
1107522	Kit 10 pcs sponge balls for cleaning Ø 60 hoses



Material hoses cleaning fittings

1107087	Cleaning kit for Ø 35 hoses Accessory for cleaning Ø 35 hoses with air or water
1107103	Cleaning kit for Ø 25 hoses Accessory for cleaning Ø 25 hoses with air or water
1107104	Cleaning kit for Ø 50 hoses Accessory for cleaning Ø 50 hoses with air or water



Hoses for shotcrete with camlock connections

1107529	Material hose Ø 19 - 10 m with camlock coupling
1107525	Material hose Ø 25 - 15 m with camlock coupling
1107526	Material hose Ø 25 - 10 m with camlock coupling
1107527	Material hose Ø 25 - 5 m with camlock coupling
1107528	Material hose Ø 35 - 10 m with camlock coupling
1107533	Material hose Ø 50 - 10 m with camlock coupling
1107534	Material hose Ø 50 - 20 m with camlock coupling



Material hoses with diameter reduction fitting

1107074	Material hose Ø 25 M35 / M25 L5 m with camlock coupling
1107075	Material hose Ø 35 M50 / F35 L20 m with camlock coupling



Material hose diameter adapter


1107565	Camlock coupling adapter Ø 35 F - Ø 25 M
1106178	Camlock coupling adapter Ø 35 F - Ø 50 M




Air hoses with quick couplings

1107530		Air hose Ø 13 - 5 m with quick couplings
1107531		Air hose Ø 13 - 10 m with quick couplings
1107532		Air hose Ø 13 - 16 m with quick couplings
1107076		Air hose Ø 13 - 20 m with quick couplings

Material pressure gauge

1107512		Pressure measuring unit with camlock coupling Ø 25M Ø 25F 0-100 bar pressure gauge
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Blower hood

1107500		Blower hood for Koine 4 and Koine 35 Complete with filter. (Level sensor not included)
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Hoses for pneumatic floor screeds conveyors

1107096		10 m material hose 65x84 10 bar Ø 65 with Cardan Perrot coupling
1107097		20 m material hose 65x84 10 bar Ø 65 with Cardan Perrot coupling
1107098		13.30 m material hose 60x79 10 bar Ø 60 with threaded / flow coupling
1107533		10 m material hose Ø 50 with camlock coupling
1107534		20 m material hose Ø 50 with camlock coupling
1107535		10 m material hose Ø 60 with camlock coupling
1107536		20 m material hose Ø 60 with camlock coupling

Pneumatic floor screeds conveyors fittings

Compatible kits:

- Tank outlet connection and adapters for IMER terminal tripod



1107155		Adapter kit for Ø 65 material hoses with Cardan Perrot coupling. Tank connection M with thread F 2 - 1/2"
1107167		Adapter kit for Ø 60 material hoses with threaded / flow coupling. Tank connection F with thread F 2 - 1/2"
1107166		Tank outlet fitting for material hoses Ø 60 with camlock coupling. Threaded F 2 1/2"

SPARE PARTS


Spare parts for spray gun

3223348		Ø 25 spray gun plastic pipe	3224361		Still camlock coupling Ø 35 F threaded F 1 - 1/4"
3223345		Ø 25 spray gun aluminum head	3226721		Ø 35 spray gun aluminum head
3209356		Spray gun Eyebolt M10	3225598		Air nozzle unit with ball valve and geka coupling
3224701		Light plastic material camlock coupling Ø25 F. -1" G.F.	3225832		Air nozzle unit with ball valve, geka coupling and air flow regulator
3223344		Ø25 spray gun air unit support	3223694		Nozzle cleaner












Spare parts for pumping units

Spare parts group for stator 2L6 clamp			Spare parts group to replace stators "C 90 x 200" series, with stators "D 90x273" series		
1x 3224334		Clamp for 2L6 stator	2x 3233695		M16 tie rod
4x 3225644		Screw M 16X90 z	6x 2223806		M16 nut
2x 3210871		Screw M 16X80 z	4x 2224640		16 x 33 Washer
4x 2223930		Self-locking nut M 16			


Pressure control

3229358		Pressure gauge with M Ø50 camlock coupling / 0-100 pressure gauge	3225836		Stator pressure calibration group with M Ø50 camlock coupling
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Specific spare parts for plaster sprayers and mixers

3223631		Solenoid valve 1/2" 24V 50/60 Hz	3223633		Flowmeter 100-1500 l / h
3228388		Solenoid valve 1/2" 24VDC	3223629		1/2" pressure reducer for plastering machines
3227839		Solenoid valve 1/2" 230V 50/60 Hz	3226729		Pressure reducer filter
3223349		Koine mixing chamber scraper	3223347		Koine 4 - 35 mixing chamber scraper rod
			3224916		Koine 3 mixing chamber scraper rod
3223352		Motor connection	3223354		Rotor replacement wrench

Water hose

3228464		30 m 3/4" water hose with quick couplings
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Camlock adapters

3238000		Ø35 / Ø25 M / M Camlock couplig adapter
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Power cord extensions

3224493		Power cord H07RN F3x2.5 + PLUGS 2P + T 240V 16° 20M	3223699		Power cord H07RN-F4X4 + PLUGS 3P + T 400V 32A 40M
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Material hoses couplings

3225929		Stainless steel camlock coupling M Ø 19 for Ø19 hoses B 32.1 mm	3224706		Stainless steel camlock coupling F Ø 19 Threaded F ¾" B 32.4 mm
3225933		Camlock coupling M Ø 25 for Ø25 hoses B 41 mm	3224709		Single lever camlock coupling F Ø25 Theaded F 1" B 32.4 mm
3225935		Camlock coupling M Ø 35 for Ø35 hoses B 49.5 mm	3223704		Camlock coupling F Ø35 Theaded F 1-1/4" B 51 mm
3225937		Camlock coupling M Ø 50 for Ø50 hoses B 63 mm	3224492		Camlock coupling F Ø50 Theaded F 2" B 64 mm
3225930		Stainless steel camlock coupling F Ø 19 for Ø19 hoses B 32.4 mm	3224328		Stainless steel camlock coupling M Ø19 Threaded M3/4" B 32.1 mm
3225934		Camlock coupling F Ø 25 for Ø 25 hoses B 42 mm	3223721		Camlock coupling M Ø35 Theaded F 1" B 41 mm
3225936		Camlock coupling F Ø 35 for Ø 35 hoses B 51mm	3224361		Camlock coupling M Ø35 Theaded F 1-1/4" B 49.5 mm
3225938		Camlock coupling F Ø 50 for Ø 50 hoses B 64 mm	3223818		Camlock coupling M Ø50 Theaded F 2" B 63 mm
3230909		Special camlock coupling F Ø 50 for Ø 35 hoses B 64 mm	3223390		Special camlock coupling M Ø25 Theaded M 1-1/4" B 41 mm
3225940		Special camlock coupling M Ø 50 for Ø 35 hoses B 63 mm	3223703		Camlock coupling M Ø35 Theaded M 1-1/4" B 49.5 mm

Material hoses couplings spare parts





3224498		Camlock coupling lever Ø 19-25-35-50	3225941		Hose clamp 28-35
3224869		Camlock coupling gasket Ø 19	3225942		Hose clamp 32-40
3224830		Camlock coupling gasket Ø 25	3225943		Hose clamp 39-48
3224831		Camlock coupling gasket Ø 35	3225944		Hose clamp 60-76
3224499		Camlock coupling gasket Ø 50			

Air/water hoses quick couplings

3223728		Quick coupling with hose connector Ø 18	3223722		Quick coupling 1" External thread
3223615		Quick coupling with hose connector Ø 13	3224203		Quick coupling 1/2 External thread
3224818		Quick coupling with hose connector Ø 10	3223614		Quick coupling 3/4 External thread
3223428		Quick coupling 1" Internal thread	3223404		Quick coupling 3/8 External thread
3224382		Quick coupling 1/2 Internal thread	3223697		Quick coupling gaskets
3223636		Quick coupling 3/4 Internal thread	3223639		Water filter for quick coupling
3230172		Quick coupling 3/8 Internal thread			

Optional trailer hitches for road towing machines

Dedicated to Mover 270d EVO and Booster 15

3234181		Optional Italy ring hitch 45x31	3234180		Optional France ring hitch 68x42
3234179		Optional ring hitch din d. 40	3234178		Ball hitch d. 50 Ak 300

SPARE PARTS

Pneumatic floor screeds conveyors couplings

3225932		B Ø60 hose, camlock coupling F B 76.5 mm Stainless steel
3225931		B Ø60 hose, camlock coupling M B 75.5 mm Stainless steel
3225891		Ø 60 Camlock coupling gasket
3225945		Ø 60 double bolt collar coupling 74 -79 mm
3226466		Lever for stainless steel Ø 60 camlock coupling
3223897		Complete IMER terminal tripod, with Ø 60 camlock coupling inlet

3227225		B Ø60 hose, trapezoidal thread F coupling B 65mm
3227226		Swivel for Ø 65 joint with trapezoidal thread
3227227		B Ø60 hose, trapezoidal thread M coupling B 65 mm
3225953		Ø 65 Threaded coupling gasket
3225945		Ø 60 double bolt collar coupling 74 -79 mm
3227222		B Ø65 hose cardan perrot F coupling Coupling internal diameter 89 mm B 92 mm
3227224		B Ø65 hose cardan perrot M coupling Coupling internal diameter 89 mm B 92mm
3225954		Cardan perrot coupling gasket
3227223		Safety pin

Booster 15 maintenance kit

Spare parts for maintenance after the first 50 hours

3234374	Engine oil filter cartridge
3228927	Hydraulic pump suction pump oil filter
3228928	Hydraulic oil filter for piston pump suction
3229068	R140C10B hydraulic oil return filter cartridge

Spare parts for maintenance every 250 hours

3225925	External air filter cartridge
3225916	Diesel filter cartridge
3234374	Engine oil filter cartridge

Spare parts for maintenance every 500 hours

3225925	External air filter cartridge
3225926	Internal air filter cartridge
3225916	Diesel filter cartridge
3234374	Engine oil filter cartridge
3229068	R140C10B hydraulic oil return filter cartridge

Spare parts for maintenance every 1000 hours

3225925	External air filter cartridge
3225926	Internal air filter cartridge
3225916	Diesel filter cartridge
3234374	Engine oil filter cartridge
3228928	Hydraulic oil filter for piston pump suction
3228927	Hydraulic pump suction pump oil filter
3229068	R140C10B hydraulic oil return filter cartridge

Mover 270d EVO maintenance kit

Spare parts kit for maintenance after the first 50 hours - 3235958

3234374	Engine oil filter cartridge
3235954	Compressor oil filter cartridge
3234373	Diesel filter cartridge

Spare parts kit for maintenance every 400 hours - 3235959

3234374	Engine oil filter cartridge
3235950	External engine air filter cartridge
3235951	Internal engine air filter cartridge
3234373	Diesel filter cartridge
3234944	Water / diesel separator filter cartridge
3235949	Alternator belt
3235954	Compressor oil filter cartridge
3235955	Compressor air filter external cartridge
3235956	Compressor air filter internal cartridge

Spare parts for maintenance every 1200 hours

3235957	Oil separator filter cartridge
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Prestige maintenance kit

Spare parts for maintenance after the first 50 hours

3234279	Engine oil filter cartridge
3225962	Hydraulic pump oil filter

Spare parts for maintenance every 200 hours

3234279	Engine oil filter cartridge
3234278	Diesel filter cartridge
3225925	External air filter cartridge
3225962	Hydraulic pump oil filter

Spare parts for maintenance every 400 hours

3234279	Engine oil filter cartridge
3234278	Diesel filter cartridge
3225926	Internal air filter cartridge
3225925	External air filter cartridge
3225962	Hydraulic pump oil filter

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