



SPRAYING AND PUMPING SYSTEMS

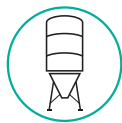




Feeding with
fluid products
contained in
vessels



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



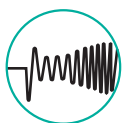
Spraying
pump



Cast with
open hose



Airless
pump



Exclusive
IMER variable
speed inverter



Single-phase



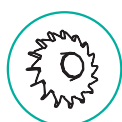
Three-phase



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

400V 50/60Hz Tph

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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.

THE GROUP

OUR MISSION

We build machines and equipment for the construction sector to make building site professionals work with the highest quality products, reducing the operator's physical effort and achieving higher performance. We build the future always aiming for innovation and with constant attention to safety, respect for people and protection for the environment.

THE STRENGTH OF A GROUP

With **over 700 employees**, today the Group has **5 production plants** and **5 foreign sales branches**. 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.



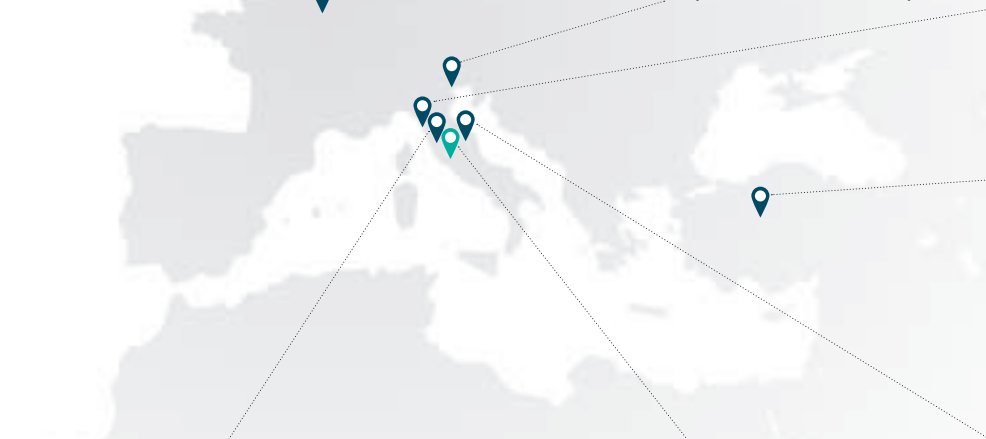
IMER France - WORMS Entreprises
Power Generators
Paris, France



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



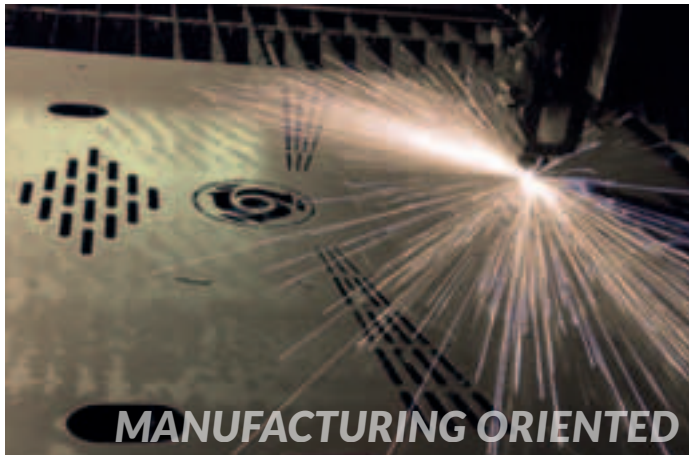
IMER Access
Aerial Platforms
Pegognaga (Mantova), Italy



IMER Group Headquarters
Poggibonsi (Siena), Italy



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



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



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



Each of our plants has a team of specialized designers.



Where there is a construction site, there is IMER.

SAFETY



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



We live the world's construction sites.

NEW KOINE 3.1

Ready for any challenge on the construction site

Suitable for the application of all the premixed products contained in the bag, with a particular aptitude for the application of fiber reinforced structural mortars, dehumidifying products, products for the application and finishing of thermal insulation panels and cement / gypsum / lime based putty. Koine 3.1 is transformed into a pump for ready-to-use smoothing products in paste (silica or quartz-based finishing and decoration mortars, injection slurries, mortars for tuckpointing etc.), by simply turning a switch in the control panel and adjusting the flow of material to your liking.

But that's not all: the new plastering machine is designed to be versatile and easy to use. The machine is not a simple restyling of an old project, but an innovative plastering machine that can also be used by the less experienced operator.



Display for diagnostic and operational indications



Safety sensor

in case of removal of the hopper grate or opening mixer motor

Easy Start

Advanced starting system of the plaster sprayer, without risk of blocking.

Easy handling

also on the most uneven terrain, thanks to the 300 mm wheels and an excellent balance of the machine.

HI-TECH HEART

Diagnostic technology has made enormous strides in recent years in all sectors. Imer has always followed this trend by developing ever more efficient machine-operator communication systems capable of making an apparently complex machine easily manageable for anyone who has to use it.

This technology applied to the Koine 3.1, combined with the exclusive Easy Start starting system and an extremely intuitive control panel equipped with a diagnostic and operational display, makes Koine 3.1 easier to use than all its competitors.

The machine is a single-phase plastering machine, which can work easily with only 3 kW of available power. It has small dimensions and weight (159 kg, complete with water pump and compressor), easily separable into four parts. It is also designed for all renovation works, where accessible spaces are restricted and the portability of equipment is of fundamental importance.



Two solutions to satisfy the most demanding users.

Imer IM250 diaphragm compressor 250 l / min removable on board the machine (Koine 3.1).

Fini VKM 402 piston compressor 400 l / min removable on board the machine (Koine 3.1 Coat).

Find out more details on page 20



NEW GERRIS 800

Innovation in the distribution of concrete

The radio-controlled self-propelled crawler placing boom.

Gerris 800 certainly stands out from any other solution because it is equipped with an expandable tracked undercarriage and stabilization with automatic levelling, a real revolution compared to the very heavy traditional static systems. With only 2500 kg of weight and small dimensions (width / length / h 800x4930x1980 mm), it can be positioned in narrow places and difficult to reach by other means.

With just one positioning, Gerris 800 allows to lay concrete on large surfaces, molds for columns, underground piling, grouting on block walls, etc... anywhere within a radius of 8 m, and can then be easily moved by its own motorized tracks.



High technological standards

Double motorization: petrol engine and electric smog free auxiliary 230V motor. It allows to work also in closed environments.

Double traction speed, expandable rubber tracks for greater stability while driving and automatic levelling outriggers system. Remote control with lithium batteries. It can be equipped with the IMERVERVIEW remote control system.



Find out more details on page 84



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



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

KOINE 4

Continuous cycle spraying and mixing pump

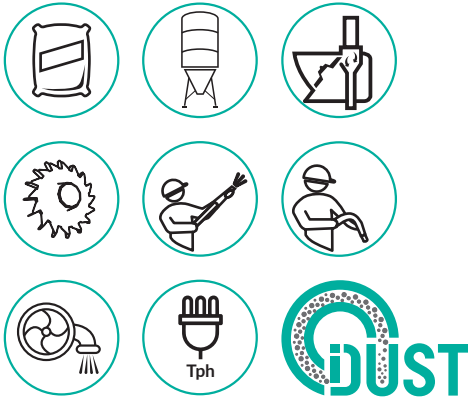
50 Hz

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

60 Hz

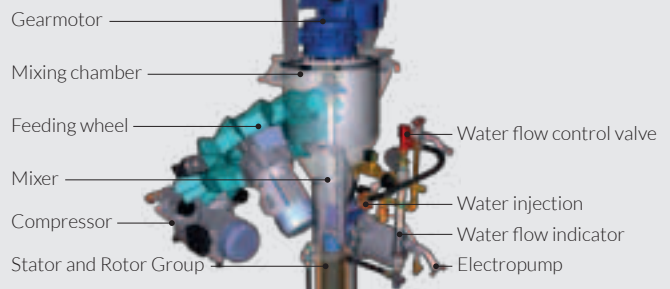
Koine 4 230V/60Hz Tph - 7.45 kW
1106003

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.

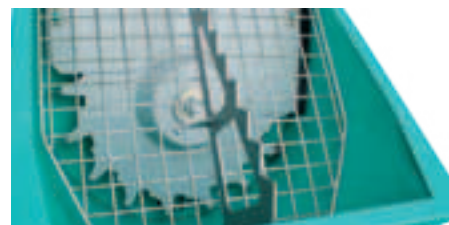
The amount of water in the mixture can be viewed in the flow meter and can be adjusted according to the needs through a micrometric valve. The material is mixed with water and immediately sucked by the eccentric screw pump and pushed into the pipe until it reaches the end of the spray gun. From here, 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.

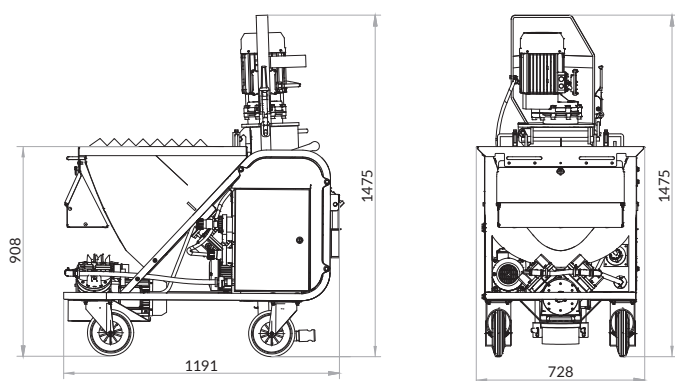
Standard Equipment

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 Ø 19 mm
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
Pumping distance with Ø 25 mm hose*	m	25
Pumping distance with Ø 35 mm hose*	m	50
Pumping height*	m	30
Hopper capacity	l	110
Loading height	mm	900
Sound pressure level	dB(A)	< 80
Machine dimensions w / l / h	mm	728/1191/1475
Machine weight	kg	263
Packed machine dimensions w / l / 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 deflector (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						
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 4 Hi-Flow

High flow continuous cycle mixing pump

50 Hz

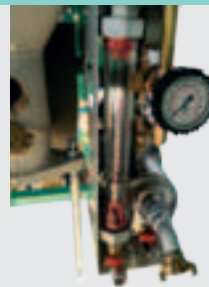
Koine 4 Hi-Flow 400V/50Hz Tph - 6.8 kW
1106320

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 turbo mixer 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



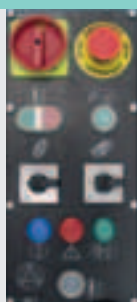
Hopper with grate and bag breaker (Standard version).



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.

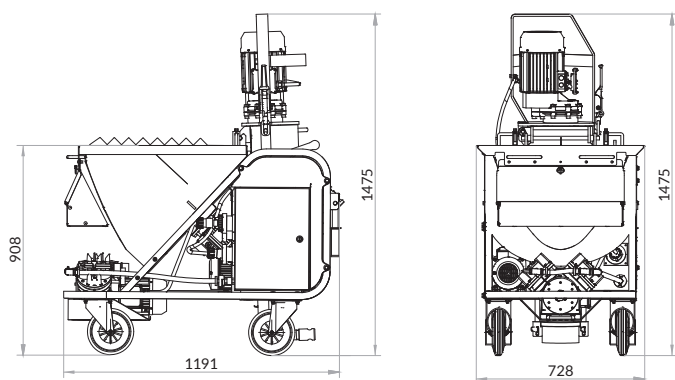
Standard Equipment

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 Ø 19 mm
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
Pumping distance*	m	60
Pumping height*	m	30
Hopper capacity	l	110
Loading height	mm	900
Sound pressure level	dB (A)	< 80
Dimensions w / l / h	mm	728/1191/1475
Machine weight	kg	250
Packed machine dimensions w / l / 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 Tph

11070005



Premixed spray kit

1107640



Compressor IM250 400V/50Hz Tph

1107528



Material hose Ø 35 - 10 m with camlock coupling

1107570



U-shaped steel pipe Ø 25

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

1107519



Kit 10 pcs sponge balls for cleaning Ø 25 hoses

1107544



Remote control extension cable 15 m

1107520



Kit 10 pcs sponge balls for cleaning Ø 35 hoses



KOINE 35

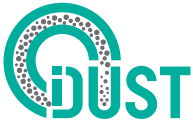
Continuous cycle spraying and mixing pump

50 Hz

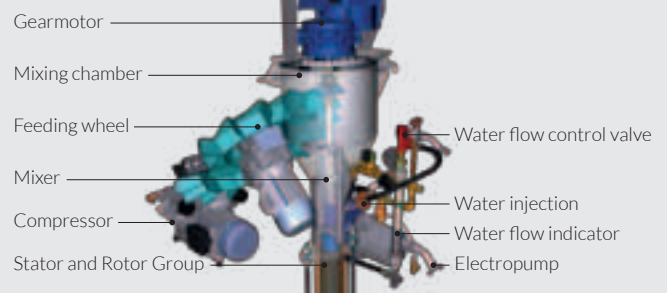
Koine 35 230V/50Hz Sph - 3.65 kW
1106006

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.

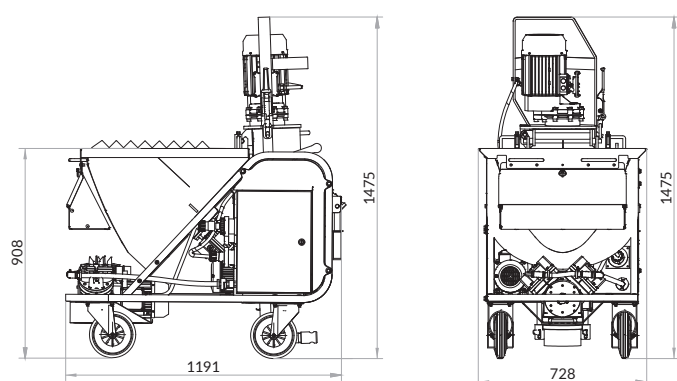
Standard Equipment

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 19 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
Pumping distance with Ø 25 mm hose*	m	20
Pumping distance with Ø 35 mm hose*	m	40
Pumping height*	m	15
Hopper capacity	l	110
Loading height	mm	900
Sound pressure level	dB (A)	< 76
Dimensions w / l / h	mm	728/1191/1475
Machine weight	kg	255
Packed machine dimensions w / l / 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 underlayment. 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
40 m water hose Ø 19 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 duse	1107549		Ø 25 F spray gun, 1.43 m long for fireproofing and premixed plaster	1107570		U-shaped steel pipe Ø 25
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			
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						
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 3.1

Continuous cycle spraying and mixing pump

Koine 3.1 230V/50Hz Sph - 3.4 kW
1106307 **NEW**

Koine 3.1 Coat 230V/50Hz Sph - 4.9 kW
1106308 **NEW**



Safety sensor in case of removal of the grid from the hopper or in case of opening and overturning of the mixer motor.



- IM250 diaphragm compressor fitted as standard on Koine 3.1
- C400 piston compressor fitted as standard on Koine 3.1 Coat

In both versions the compressor is mounted on the machine and easily removable.

Description

The new Koine 3.1 is designed to be versatile and easy to use even by the less experienced operator thanks to the proven Easy Start system and interactive display. Koine 3.1 is equipped with safety protections that immediately stop the electric motors in case of removal of the hopper grid or opening of the mixing chamber.

Dry premixed materials (Dry mode)

- Mortars for gluing and smoothing thermal insulation panels
- Mortars for reinforced concrete / lime-based structural reinforcement
- Restoring / dehumidifying mortars for masonry walls
- Binders / mortars for consolidation injections
- Lime / cement / gypsum based plasters
- Lime / cement / gypsum based smoothing compounds
- Insulating plasters based on polystyrene or cork
- Cement / anhydride-based self-levelling substrates
- Mortars to protect structures from heat

Wet materials (Wet mode)

- Finishing coatings, mineral smoothing compounds with silicates or quartzite
- Waterproofing products, including fiber-reinforced ones
- Smoothing compounds for elastomeric / water-repellent finishes
- Cementitious mortars for reinforced structural reinforcement
- Binders / mortars for consolidation injections
- Mortars for tuckpointing / grouting

Koine 3.1 turns into a pump for ready-to-use smoothing products in paste, injection mortar and tuckpointing, simply by turning a switch on the control panel and adjusting the flow rate of material to your preference. In particular, the "Coat" version is equipped with a 400l/min piston compressor, optimized for the application of fiber-rich or highly viscous smoothing products.

Operation

Dry mode

The dry product contained in the bags is poured into the hopper, where an agitator shaft accompanies the material towards the mixing chamber. The water needed to obtain the mixture is injected into the mixing chamber by a stainless steel pump. The water flow is kept constant by a particular stabilization system and controlled by a valve that starts or stops the flow when necessary. The amount of water in the mixture can be viewed in the flow meter and can be adjusted according to needs through a micrometric valve.

The material is mixed with water and immediately sucked by the eccentric screw pump, and then pushed into the hoses until it reaches the opposite end. The 6 adjustable pumping speeds allow to increase or decrease the power absorbed by the pump, adapting it to the electric power available in the electrical system.

Wet mode

The wet potted product can be poured directly into the Koine 3.1 hopper. If it is a dry product contained in the bags, to be mixed with water, it must first be mixed with a mixer in a container and then poured into the hopper to be pumped. The mixture contained in the hopper is sucked by the rotor-stator pumping system and pushed into the pipe until it reaches the opposite end of the pipe. The gradually variable speed allows you to adapt the flow rate of material to the application needs.

Different accessories for spraying products or devices for controlled pressure injections can be connected to the hoses.

The machine can also be used simply with an open hose for laying self-levelling or grouting products.



- 300 mm large wheels
- High efficiency hydraulic system, with generous size self-priming Calpeda electric pump, capable of 4.5 bar of pressure, with stainless steel cap.



Control panel with inverter and interactive display. Easy to use also for the less experienced operator. A series of visual and acoustic diagnostics warnings makes each operation more simple to perform: **H2O**, **BLOCC**, **STOP**, **ERR08**, etc.

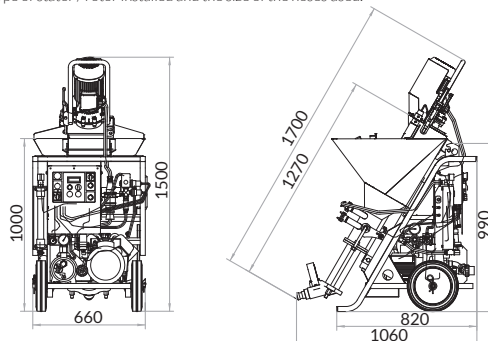
Standard Equipment

Stator and Rotor D5-2.5 Monoflex (purple)
Direct connection for hoses material DN35 F
Material delivery pressure gauge
Control panel with IMERA1 inverter
Remote control ready
6 selectable speeds in Dry Mode
Progressive pumping speed adjustment in Wet Mode
Interactive display with alphanumeric codes
IM250 diaphragm compressor on board the machine (Koine 3.1)
Fini VKM 402 piston compressor on board the machine (Koine 3.1 Coat)
Calpeda NGX2 self-priming stainless steel pump
Water system with flow meter and anti-freeze drainage
Easy start starting system
20 m electric cable with 16 A plug
20 m water hose Ø 19 mm
16 m air hose Ø 13 mm
15 m material hose Ø 25 mm
Spray gun for premixed Ø 25 with deflectors (Koine 3.1)
Spray gun for smoothing compounds with deflectors + Spray gun Ø 25 (Koine 3.1 Coat)

Technical data

		Koine 3.1	Koine 3.1 Coat
Power supply	-	230V/50Hz	230V/50Hz
Max installed power	kW	3.4	4.9
Mixer motor power	kW	2.2	2.2
Electric pump motor power	kW	0.45	0.45
Electric compressor	kW-l/min	0.75 - 250	2.2 - 400
Dry mode material flow rate*	l/min	7-17	7-17
Wet mode material flow rate*	l/min	2.3-17	2.3-17
Pumping distance served*	m	25	25
Height served*	m	15	15
Hopper volume	l	75	75
Loading height	mm	1000	1000
Sound pressure level	dB (A)	< 76	< 79
Dimensions w / l / h	mm	660x1060x1500	660x1060x1500
Complete machine weight	kg	159	162
Packing size w / l / h	kg	800/1600/1700	800/1600/1700
Weight of the packed machine	kg	230	235

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



Setups for specific applications **KOINE 3.1**

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
1107683	Light material mixer (> 990Kg / mc)
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
1107683	Light material mixer (> 990Kg / mc)

C



Accessories for pumping self-leveling underlyments

1107030	Stator D8-1.5 MONO
1107031	Rotor D8-1.5 MONO - Green
1108009	Remote control extension 15 m for A1 switch board

D



➡ Recommended preparation for mortars for tuckpointing / grouting

1107499	Conical tube gun for spacing
1108008	Remote control extension 16 m for A1 switch board
1107032	Stator D 4-1/2 CLAMP
1107033	Rotor D4-1 / 2 LEMON YELLOW

E



➡ Accessories for the application of:

- Adhesives for thermal insulating coatings
- Smoothing compounds for plaster
- Smoothing compounds for decorative finishing with silicates or quartzite
- Waterproofing
- Solvent-free paints
- Filling deep spaces on rocks
- Brick / stone tuckpointing

Smoothing and grouting kit

- Spray gun
- 1 set of deflectors Ø5-Ø6-Ø8-Ø12 mm
- 1 deflector with hose connection Ø16

1107010	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
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F



➡ Accessories for consolidation injections with pressure control

1108005	Injection kit for A1 panel <ul style="list-style-type: none"> • 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
1108009	Remote control extension 15 m for A1 switch board

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

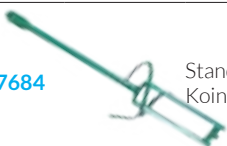
1107033



Rotor D4-1/2

Accessories for customized setups **KOINE 3.1**

1107684



Standard mixer for
Koine 3.1

1107683



Light material mixer
(> 990Kg / mc)

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

1107570



U-shaped steel pipe
Ø 25

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

1107568



Recommended only for
Koine 3.1 Coat
Ø 25 F spray gun with
no-spreading ball valve
and air flow regulator

1108006



Tuckpointing gun for A1
switch board
Spacer filler gun with
control sensor: On-
Open / Off-Closed 24V
socket

Accessories for customized setups **KOINE 3.1**

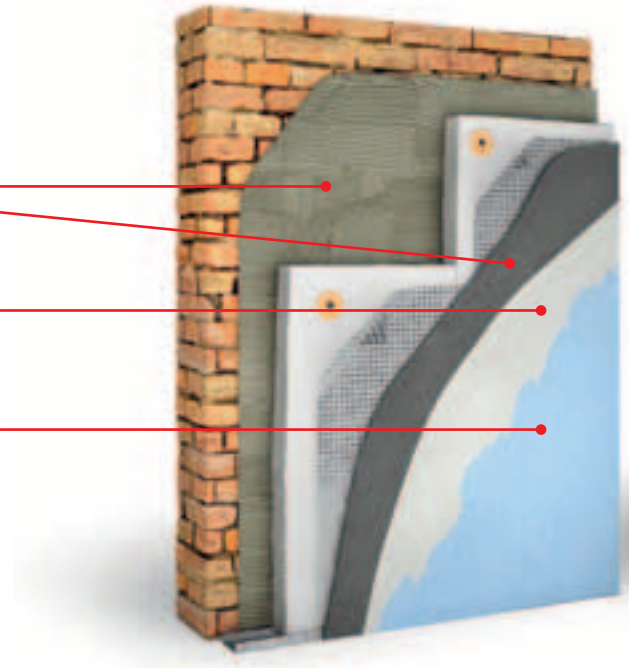
1107551		10 pcs kit deflectors Ø 10 (Duse) in polyurethane for premixed plaster	1107557		5 pcs kit deflectors Ø 10 in polyurethane for traditional plaster
1107552		10 pcs kit deflectors Ø 12 (Duse) in polyurethane for premixed plaster	1107558		5 pcs kit deflectors Ø 12 in polyurethane for traditional 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
1107690		C400 piston compressor 230 / 50Hz 2.2 kW ➔ Recommended for: • Adhesives for thermal insulating coatings • Smoothing compounds for plaster • Smoothing compounds for decorative finishing with silicates or quartz • Waterproofing also fiber-reinforced • Solvent-free paints	1108007		Pressure control unit with adjustable pressure switch 0.2-5 bar for A1 switch board
1107691		IM250 diaphragm compressor 230V / 50Hz 0.75kW ➔ Recommended for: • Mortars for structural reinforcement, cement / lime base • Restoring / dehumidifying mortars for masonry walls • Lime / cement / gypsum based plasters • Insulating plasters based on polystyrene or cork • Mortars to protect structures from heat	1108008		Remote control 16 m for A1 switch board
			1108009		Remote control extension 15 m for A1 switch board
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

THERMAL INSULATION COATINGS

Ready-to-use base skim coat in pot to be poured into the hopper.

Premixed skim coat in bag mixed directly in the machine.

Potted siloxane or quartz finish coating to be poured into the hopper.

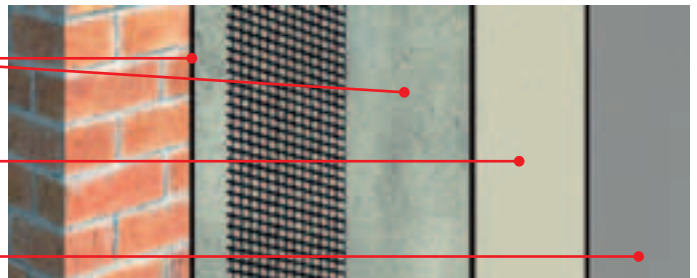


STRUCTURAL REINFORCEMENTS IN THICKNESS OR LOW THICKNESS

Premixed skim coat in bag mixed directly in the machine or premixed two-component products poured into the hopper.

Ready-to-use base skim coat in pot to be poured directly into the hopper.

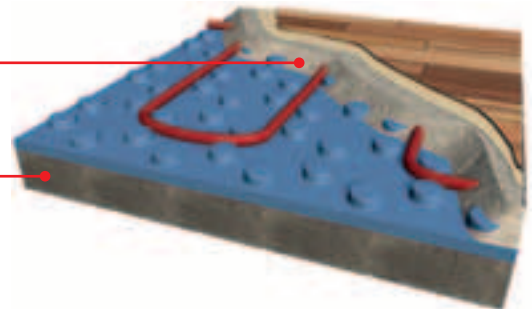
Siloxane or quartz finish coating contained in pot to be poured into the hopper.



SELF-LEVELLING UNDERLAYMENTS ALSO FOR HEATED FLOORS

Premixed self-levelling underlay in bag mixed directly in the machine

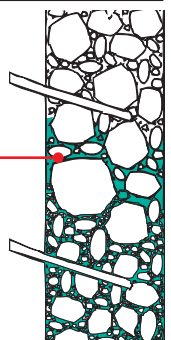
Pre-mixed polystyrene-based thermal insulating substrate mixed directly in the machine



CONSOLIDATION INJECTIONS

Pre-mixed slurry or micro grouts poured into the hopper (recommended system for wall consolidation injections).

Grout or micro grout mixed directly in the hopper (recommended system for anchoring or in any case where the quantities of injected product are significant).



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

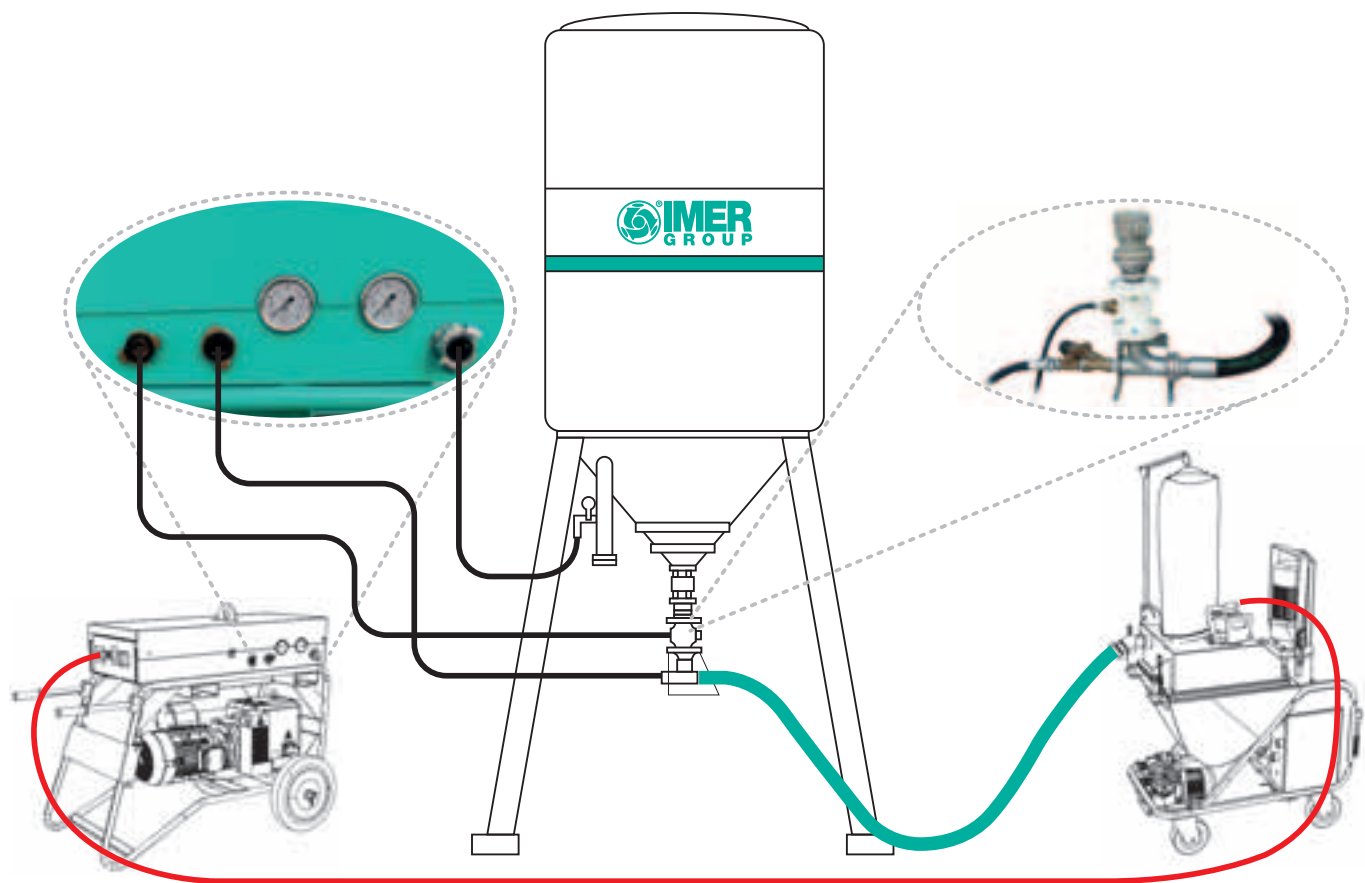
The conveyor complete with material opening and closing valve, connected to the Storm Plus via two hoses for compressed air, must be installed at the base of the silo. A third hose connects the Storm Plus to the silo for pressurization.

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

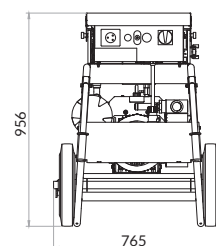
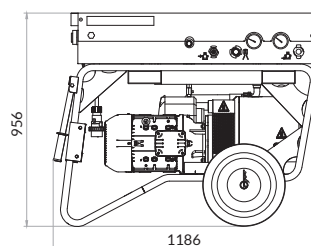
Standard Equipment

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 / 42TI
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
Max working pressure	bar	2
Control pressure	bar	3.5
Material flow rate*	m³/h	1.2
Pumping distance*	m	150
Pumping height*	m	60
Sound pressure level	dB (A)	< 80
Dimensions w / l / h	mm	765/1186/956
Machine weight	kg	265
Packed machine dimensions w / l / 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)

1107538



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

1107524



Multirex 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



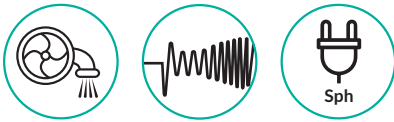
Cable for level probe 3X1 42V L 50 m
with plugs



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 w / l / h	mm	300/300/360
Packaging dimensions w / l / 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

1106343

Small 50 EVO

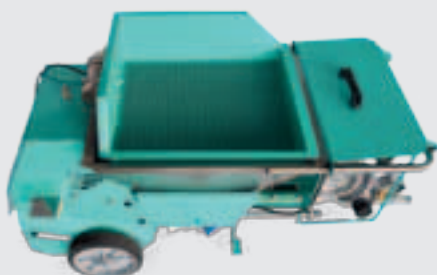
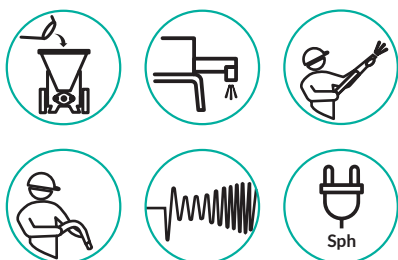
230V 50/60 Hz Sph - 1.5 kW

1106342

Small 50 EVO

115V 50/60 Hz Sph - 1.5 kW

1106344



Multi-accessory and
adaptable to all mortar
pumping needs.



A1 control panel, with diagnostic
and functional display.

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
- Tuckpointing
- 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 A1 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 and devices for spraying and injecting material at controlled pressure can be connected. A hose can also be used on the machine for pouring the self-levelling or filling products.

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

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

The exclusive IMER A1 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

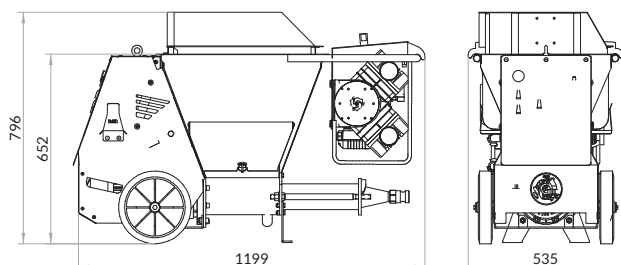
Stainless steel hopper
Stator and rotor D8 1.5 ECO
Control panel with A1 inverter and diagnostic display
20 m electric power cable
Electric remote control
Pressure measuring unit
Accessory box
Vibrating grid (Small 50 ES EVO)
Premixed / traditional mortar kit (Small 50 ES EVO)
Electric diaphragm compressor IM250 (Small 50 ES EVO)

Technical data SMALL 50 ES EVO

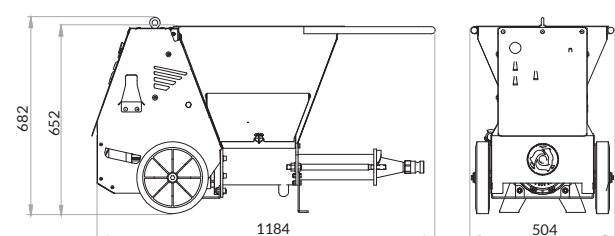
Supply	-	230V/50Hz
Max installed power	kW	2.5
Material flow rate*	l/min	0.8 to 14
Max pumpable grain size*	mm	6
Pumping distance hose Ø 19 mm*	m	15
Pumping distance hose Ø 25 mm*	m	25
Pumping height	m	15
Hopper capacity	l	50
Loading height	mm	650
Sound pressure level	dB (A)	< 74
Dimensions w / l / h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



1106342 Small 50 EVO
230V/50 Hz 1.5 kW

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

➡ Customizable model depending on the application

Standard equipment

- Stainless steel hopper
- Stator and rotor D8 1,5 ECO
- Control panel with A1 inverter and diagnostic display
- 20 m electric power cable
- Electric remote control
- Pressure measuring unit
- Accessory box

Setups for specific applications **SMALL 50 EVO**



1106342 Small 50 EVO
230V/50 Hz 1.5 kW

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

S1

➡ Recommended setup for:
• Pressure-controlled injections

Maximum installed power 1.5 kW

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 1.5 kW

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: • Tuckpointing • 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

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
- Fire proofing mortars

1107005 Premixed / traditional mortar kit

- Spray gun
- Deflectors Ø 12 for regular mortar
- Deflectors 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

B



➡ 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
- Tuckpointing / filling
- Groutings on exposed stones

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 cam lock couplings
- 16 m air hose Ø 13 with Geka couplings
- 1 nozzle cleaner and 1 sponge Ø 30

C




➡ Recommended setup for:

- Binders / mortars for consolidation injections at controlled pressure

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

D



➡ Recommended setup for:

- Solvent-free paints

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
- 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

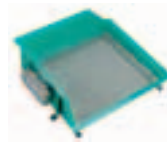
Vibrating grid

➔ 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

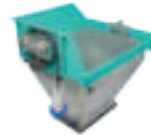
Internal vibrating hopper

➔ Recommended for:

- Tuckpointing / 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

1108007



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

1107503



Pneumatic wheels kit

1108009



Remote control extension 15 m for
A1 switch board

1107662



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

1108008



Remote control 16 m for
A1 switch board

1107103



Cleaning kit for Ø25 hoses with air

1108013



A1 (AMPHENOL) Accessory Adapter:
1108007, 110806, 1108009 and
1108008 on the previous version "R2"
control panel

1107519



Kit 10 pcs sponge balls for cleaning
Ø 25 hoses

1108017



Accessory adapter for panel R2 to the
control panel A1 (AMPHENOL)

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/Tuckpointing

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



Tuckpointing gun for R2 switch board
Tuckpointing gun for A1 switch board

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

1107570



U-bend steel hose Ø 25

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



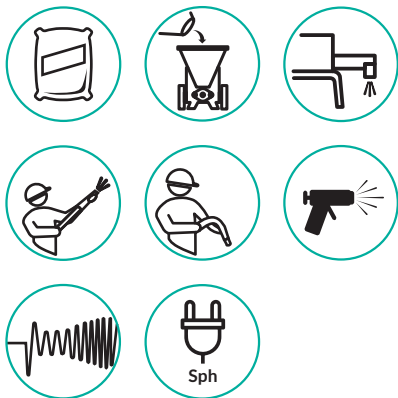
Accessories **SMALL 50 EVO / SMALL 50 ES EVO**

			 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 50/60 Hz 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.

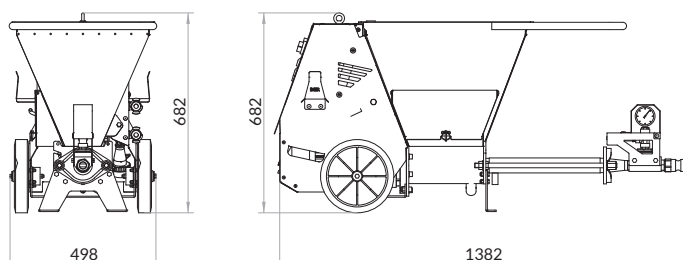
Standard Equipment

Control panel with exclusive IMER A1 self-diagnostic inverter
Spray gun IAG19
Nozzle kit 531 - 535 - 619
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
Max installed power	kW	2.2
Max absorption	A	9.5
Eccentric screw turns	rpm	37-228
Max pressure	bar	120
Max nozzle size	in	0.045
Max capacity*	l/min	8.5
Pumping distance*	m	30
Pipe nominal diameter	mm	13
Max pumping height*	m	30
Hopper capacity	l	50
Loading height	mm	650
Sound pressure level	dB(a)	<75
Wheel dimensions	mm	250
Dimensions w / l / h	mm	498/1382/682
Machine weight	kg	75
Packed machine dimensions w / l / 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
Max 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
Max flow (based on stator)*	l/min	1.2 - 26
Pumping distance	m	35
Pipe nominal diameter	mm	25-35
Pumping height*	m	20
Hopper capacity	l	50
Loading height	mm	650
Sound pressure level	dB(a)	<76
Wheel dimensions	mm	250
Dimensions w / l / h	mm	504/1184/682
Machine weight	kg	75
Packaging dimensions w / l / 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.



AIRLESS TRANSFORMATION KIT



Accessory kit for transforming Mighty Small 50 Plus into Airless

Complete with everything needed for use in "A" mode

- Material outlet flange
- Pressure gauge and sensor
- Flange tie rods
- Transmission rod for "N" Series stators
- 4N13S stator and rotor
- 1/2 "airless hose L20m
- IAG19 spray gun
- Nozzles 619-535-531
- Gun cleaning accessories

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

Max installed power	kW	3
Max grain size	mm	6
Max pressure	bar	15
Max material flow*	l/min	26
Pumping distance*	m	35
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 deflector (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

Max installed power	kW	3
Max grain size	mm	3
Max pressure	bar	25
Max material flow*	l/min	17
Pumping distance*	m	25
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 switch board



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 switch board

- 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 switch board

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	➡ Recommended setup for: Mortars for grouts / Spacing / Tuckpointing Maximum installed power 2.4 kW
 1108008	Remote control 16 m for A1 switch board	 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 S50Airless 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 switch board

- 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 switch board

1107503



Pneumatic wheels kit

1108009



15 m remote control extension for
A1 switch board

1107662



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

1108008



Remote control 16 m for
A1 switch board

1107103



Hose 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

1107074

Material hose Ø 25 M35 / M25 L5 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 deflector
(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











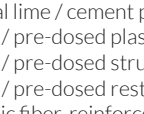
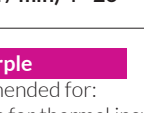


Tuckpointing gun for A1 switch board
with control sensor: On-Open /
Off-Closed 24V socket

1107570



U bend steel pipe Ø 25

							
			1107540	1107011	1107549	1107568	1107577
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 / Tuckpointing / Spacing

Pressure (bar) 25

Maximum grain size (mm) 3

Flow rate (l / min) 1.2 - 9

1107032



Stator D4-1/2 CLAMP

1107033



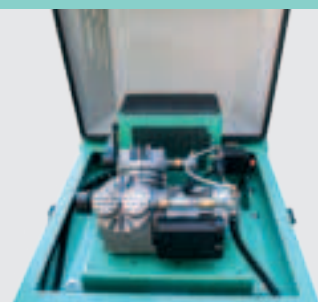
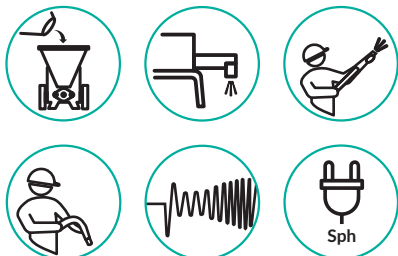
Rotor D4-1/2

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

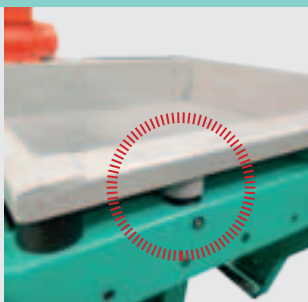
The mixture prepared in the mixer is poured directly into the hopper through a vibrating grid that filters out any big size stones. The material is sucked by the eccentric screw pump and pushed into the hose until it reaches the opposite end where the spray gun is located.

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

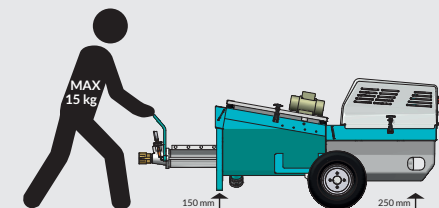
Different accessories can be connected to the hose for spraying the products or devices for controlled pressure injections, or the machine can be used simply "with an open hose" for the pouring of self-levelling or filling products.

The exclusive IMER A1 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 A1 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.

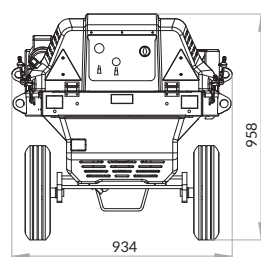
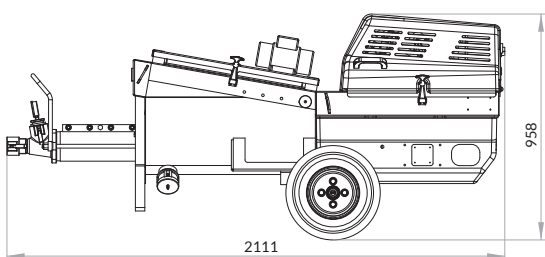
Standard equipment (Cod. 1106090 230V/50Hz)

Control panel with A1 inverter and diagnostic display
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
Hose holder band
Accessory box
Accessory for cleaning material hose with air or water
Sponge balls for washing hoses DN35
Power cable 20 m
Remote control predisposition
Ø 50 hose connection (Ø 35 adapter in the hose)
Solid rubber wheels

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	-	700
Mixer capacity	l	120	-
Mixer loading height	mm	1300	-
Dimensions w / l / h	mm	934/2111/1273	934/2111/958
Machine weight	kg	404	280
Packed machine dimensions w / l / h	mm	1000/1650/1600	1000/1650/1100
Packed machine weight	kg	460	340

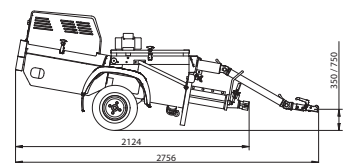
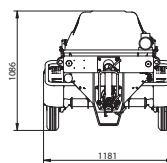
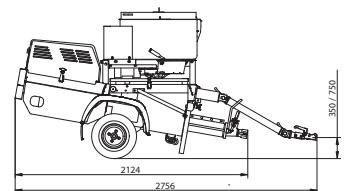
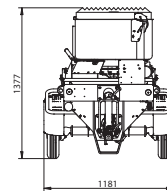
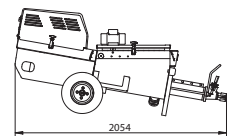
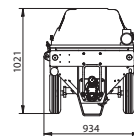
(*) The values indicated are subject to variations based on the characteristics of the materials used, their consistency, the type of stator / rotor installed and the size of the hose used.



	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	230V 60Hz Sph
	1106090	1106075	1106077	1106056	1106088	1106097	1106098	1106099	1106180
	STEP 120 STD	STEP 120 GR	STEP 120 GRM	STEP 120	STEP 120 F	STEP 120	STEP UP 120	STEP 120M LA	STEP 120 UP
	Standard	Standard towable	Standard Towable with mixer	Premix Grouting	Conventional Grouting	Standard	Standard Towable with mixer	Long distances pumping with mixer	Basis for customizations
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	20m + 10m	20m + 10m	20m + 10m	20m	10m
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	700	700	1377	1377	1377
Dimensions w / l / h (mm)	934/2054/1021	1181/2124/1086	1181/2124/1377	934/2054/1021	934/2054/1021	934/2054/1021	1181/2124/1377	934/2054/1300	1181/2124/1086
Machine weight (Kg)	280	290	400	240	243	280	400	390	250

STEP 120 Road Towing

European approval



Technical data

		Step 120 Towable on the road	
Towing ball hitch Ak 160b	mm/inc	50 - 2	50 - 2
Tubeless 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 w / l / h	mm	1181/2124/1377	1181/2124/1086
Machine weight	Kg	400	290
Packed machine dimensions	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 w / l / h (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

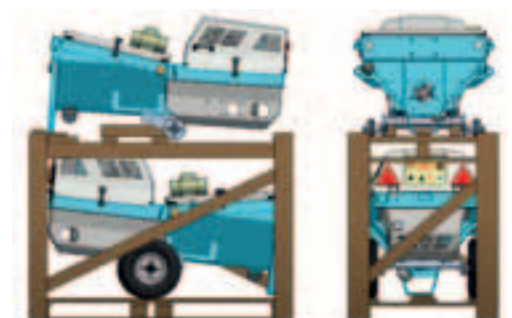
Please note: weights estimated with a tolerance of 5%.

Wood crate for superposing No.2 Step 120 without mixer

Dimensions of the wooden case w / l / h	(mm)	1250 / 1750 / 1000
Weight of the wooden crate	Kg	100
Packaging dimensions w / l / h	(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

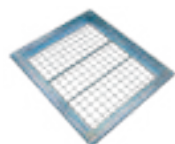
1107618



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

1108009



Remote control extension 16 m

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

1108041



- 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)

A1 accessory adapter

1108013



A1 (AMPHENOL) Accessory Adapter:
1108041, 110806, 1108009 and 1108008
on the previous version "R2" control panel

Accessories adapter for R2 panel

1108017



Accessory adapter for panel R2 to the control panel A1 (AMPHENOL)

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)

1108008 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)

1108008 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)

1108008 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)

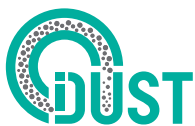
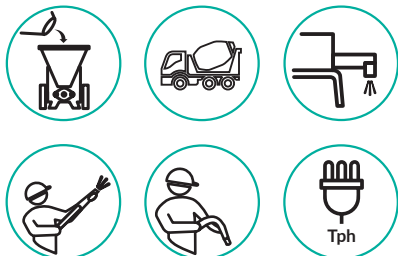
1107519 10 pieces sponge kit for cleaning hose Ø 25

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 concrete 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.

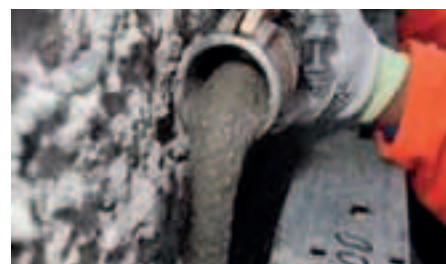
The air is provided by the standard integrated compressor projects the material through the gun onto the application area. The machine can be started and stopped directly via the air tap located on the spray gun.

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.

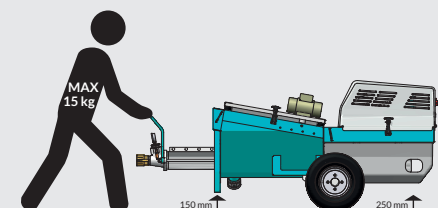
Equipped with an exclusive IMER IM25L pumping unit capable of satisfying most pumping and spraying needs. It can be further optimized for specific needs, due to a wide range of optional accessories.

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.

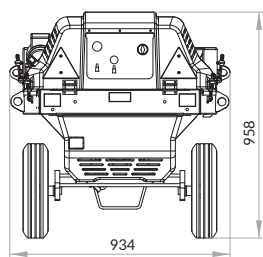
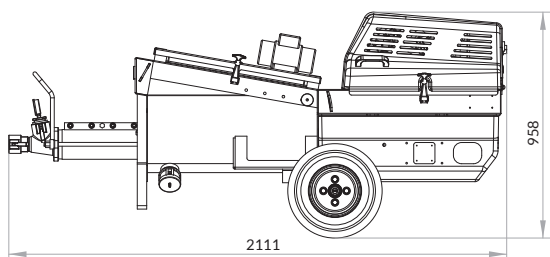
Standard equipment (Cod. 1106091 400V/50Hz)

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
Hose holder band
Accessory box
Accessory for cleaning material hose by air or water
Sponge balls for washing hoses DN35
Power cable 20 m
Remote control predisposition
Ø 50 hose connection (Ø 35 adapter in the hose)
Solid rubber wheels

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
Pumping distance*	m	60	60
Pumping height*	m	20	20
Hopper capacity	l	120	120
Hopper loading height	mm	-	700
Mixer capacity	l	120	-
Mixer loading height	mm	1300	-
Dimensions w / l / h	mm	934/2111/1273	934/2111/958
Machine weight	kg	404	280
Packed machine dimensions w / l / h	mm	1000/1650/1600	1000/1650/1100
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 1106181	230V60Hz Tph 1106086	230V60Hz Tph 1106055	400V 60Hz Tph 1106087	400V50Hz Tph 1106091	400V50Hz Tph 1106089	400V50Hz Tph 1106074	400V50Hz Tph 1106057	400V50Hz Tph 1106176	400V50Hz Tph 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	✓	✓	✓	✓	✓	✓	✓		✓	✓
1.5 L7 Pumping unit (4.2Mc/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 w / l / h (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

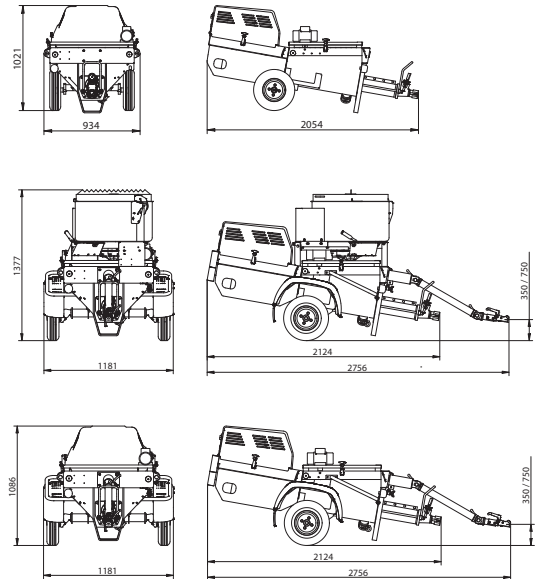
STEP 120 Road Towing

European approval



Technical data

Step 120 Towable on the road			
Towing ball hitch Ak 160b	mm/inc	50 - 2	50 - 2
Tubeless 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 w / l / h	mm	1181/2124/1377	1181/2124/1086
Machine weight	Kg	400	290
Packed machine dimensions w / l / h	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 w / l / h (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

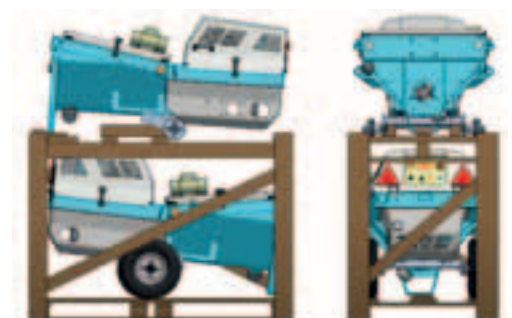
Please note: weights estimated with a tolerance of 5%.

Wood crate for superposing No.2 Step 120 without mixer

Dimensions of the wooden case w / l / h	(mm)	1250 / 1750 / 1000
Weight of the wooden crate	Kg	100
Packaging dimensions w / l / h	(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



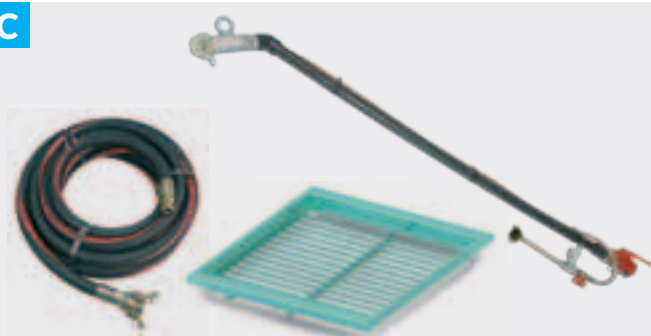
Optional accessories for customized setups **STEP 120** three-phase

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	1108018		Premixed grid for Step 120 with mixer 1107573
Specific use in combination with the 1.5 L7 pumping unit for pumping concrete up to 12 mm	1107569		Step 120 three-phase vibrating screen passage 12 mm
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

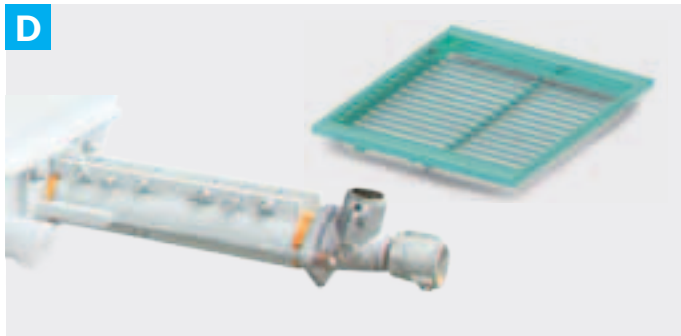
1107074 Pt pipe Ø 25 5m M35M25 (gun adapter Ø25)

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

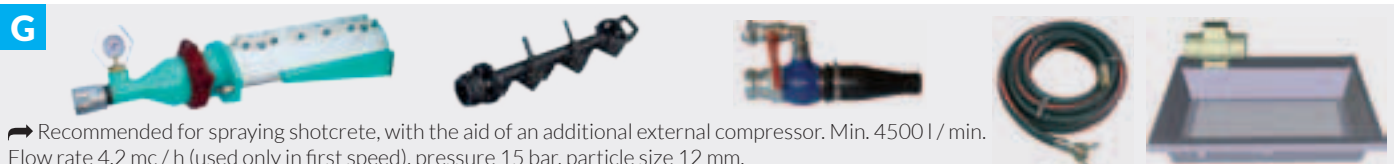
1107533 10 m Ø 50 material hose with cam connection

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

1107046 Step 120 three-phase vibrating screen passage 12 mm

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 12 mm passage.

Description

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

- Filling concrete 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 fed 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)

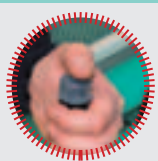
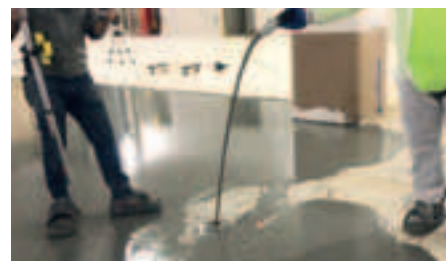
Operation

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.

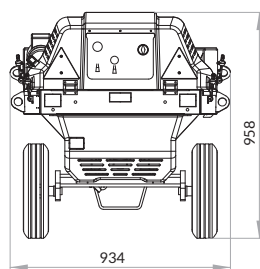
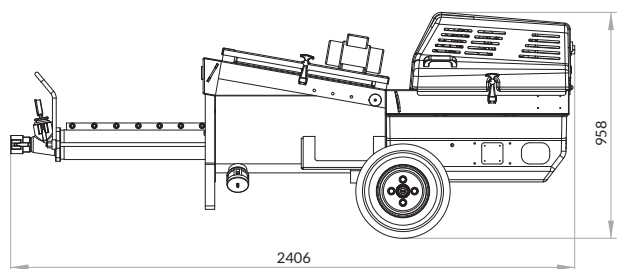
Standard equipment

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
Solid rubber wheels (Only for 1106094 Non-towable model)
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
Pumping distance*	m	60
Pumping height*	m	30
Hopper capacity	l	120
Hopper loading height	mm	700
Sound pressure level	dB (A)	< 79
Dimensions w / l / h	mm	934/2406/958
Machine weight	kg	280
Packed machine dimensions w / l / h	mm	1000/1650/1100
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

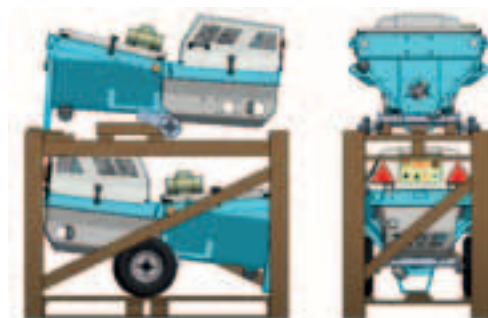
Code	Model	Packed machine weight	Packed machine dimensions w / l / h (mm)
1106054	STEP 120A 230V60Hz Tph	350 kg	1181/1995/1100
1106094	STEP 120A 400V50Hz Tph	360 kg	934/1650/1100

Wood crate for superposing No. 2 Step 120 without mixer

Dimensions of the wooden case w / l / h	(mm)	1250 / 1750 / 1000
Weight of the wooden crate	Kg	100
Packaging dimensions w / l / h	(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



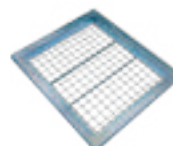
Accessories for customized setups **STEP 120 A**

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



Stator
IM 25L
CLAMP

1107111



Rotor
IM 25L

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 tuckpointing

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

1108013



A1 (AMPHENOL) Accessory Adapter:
1108007, 1108006, 1108009 and
1108008 on the previous version "R2"
control panel

1108017



Accessory adapter for panel R2 to the
control panel A1 (AMPHENOL)

1108014



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

Amphenol 230V / 400V injection
device kit

- Pressure gauge + pressure switch group
- Spray gun
- 1 deflector with Ø 16 hose connector
- 5 m Ø 25 material hose with cam couplings
- 1 nozzle cleaner
- 1 washing sponge for Ø 25 tube
- Material hose (5 m) with Ø 25 Ø 35 connections
- Electric remote control with 16 m cable
- Remote control extension (15 m)

1108008



Remote control 16 m for
A1 switch board

1108009



Remote control extension 15 m for
A1 switch board

1108007



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

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

1107046



Step 120 three-phase vibrating screen
passage 12 mm
Specific use in combination with the
1.5 L7 pumping unit for pumping
concrete up to 12 mm

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



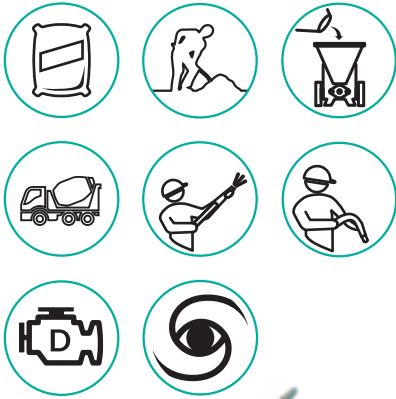
Kit 10 pcs sponge balls for cleaning
Ø 25 hoses

PRESTIGE ECO T Power

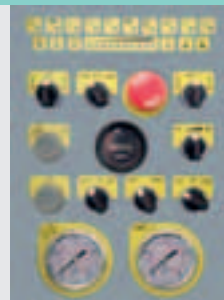
Eccentric screw plastering pump

Prestige Eco T Power 14.5 kW diesel engine Stage 5
1106130

Prestige Eco T Power EPA 14.5 kW EPA diesel engine
Machine without pumping group and hoses.
Ready for customized setups.
1106133



- 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.

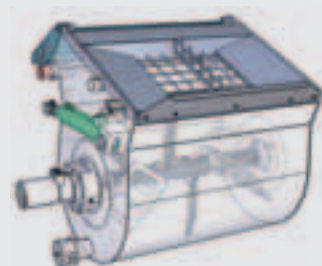


EU road-towable approved
(approved up to 140 Km / h)

Drawbar with towing ball
hitch D 50 mm



Taillight
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)

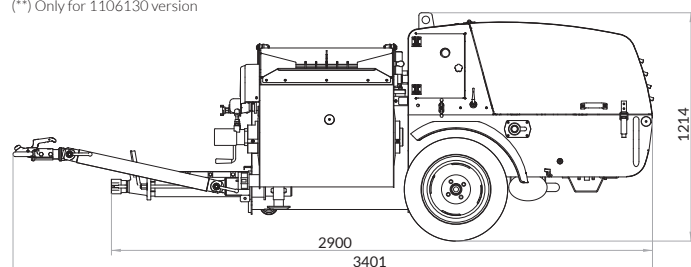


- Hopper protection grid with safety sensor
- High hopper capacity 200 l
- Large agitator shaft to limit material segregation

Standard Equipment

Diesel engine 14.5 kW Yanmar 3 TNV76-NYE3D Stage 5**
EPA Diesel engine 14.5 kW Yanmar 3TNV80FEU
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 tubeless tires and mudguards
EU approved road-towing

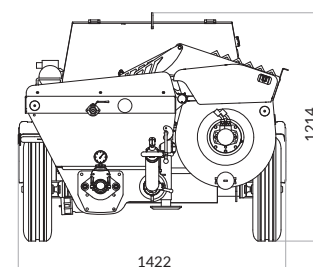
(**) Only for 1106130 version



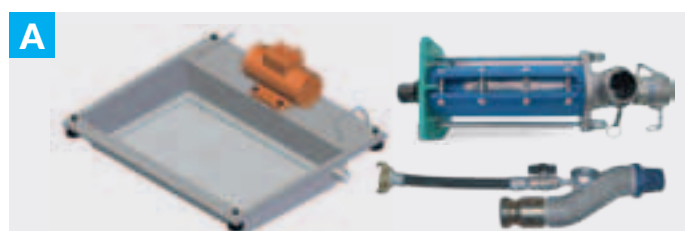
Technical data

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)
Pumping distance*	m	100
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 w / l / h (overturned mix)	mm	1422/2900/1214
Machine weight	kg	750
Machine dimension packed w / l / 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.



Setups for specific applications **PRESTIGE**



Setup for traditional lime / cement mortars

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

1107036 Vibrating grid kit. Passage 6 mm

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 Ø 13 L 10m

1107076 Air hose Ø 13 L 20m

1107520 Sponge ball Kit for Ø35 hoses



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

➡ Recommended for free hose pumping:

- Filling grouts Max granulometry 12 mm
- Filling grouts with metal fibers / polypropylene / carbon / glass
- Cement / anhydride-based self-leveling substrates
- Polystyrene-based lightened substrates

1107661 Pumping kit 1.5 L7

1107045 Vibrating grid kit. Passage 12 mm

1107533 Material hose Ø 50 - 10 m with camlock coupling

1107534 Material hose Ø 50 - 20 m with camlock coupling



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



Performance: high flow rates 8 mc / h, pressure 15 bar, maximum grain size 12 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)

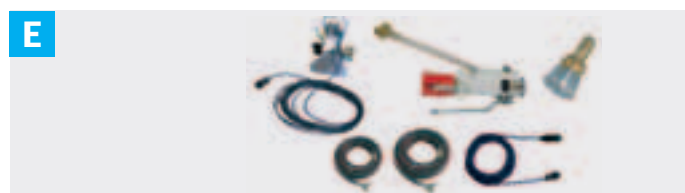
1107661 Pumping kit 1.5 L7

1107045 Vibrating grid kit. Passage 12 mm

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



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

➡ 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)



1107671



IMERVIEW KIT for Booster 15 and Prestige Connect 4.0

- Gps-Gsm electronic control unit, with integrated antenna
- Pressure sensor
- Web Dashboard access and Cloud storage
- 5 years of data traffic included
- Pre-delivery installation included
- ➡ Recommended for remote control:
- Geoforce with immediate warning "Machine out of perimeter"
- Position and movement tracking
- Battery status
- Ambient working temperature
- Hydraulic system analysis
- Direct connection with Imer Service

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 and 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

1107499



Conical tube gun for spacing Ø 25

- ➡ Recommended for:
- Spacing or tuckpointing

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



Rotor 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:

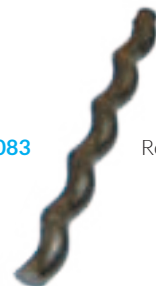
- Core filling grout, even with metal / polypropylene / carbon / glass fiber
- Self-levelling cement / anhydride based screeds
- Lightweight polystyrene-based screeds
- Refractory mortars (wet only)
- Fiber-reinforced concrete, grain size max. 10 mm
- Shotcrete application

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

1.5 L7 White

➡ Recommended for:

- Filling grouts max particle size 12 mm
- Filling grouts with metal fibers / polypropylene / carbon / glass
- Cement / anhydride based self-leveling screeds
- Polystyrene-based lightweight screeds

1107219



Stator 1.5 L7
CALMP

1107218






Rotor 1.5 L7

Dimensions: Length x Diameter (mm) 554x159


Pressure (bar) 15

Maximum grain size (mm) 12

Flow rate (l / min) 250

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
			1106251		Deflectors for shotcrete gun, without additive inlet



Vibrant grids

1107045		Vibrating grid kit. Passage 12 mm
1107036		Vibrating grid kit. Passage 6 mm

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

Hose extensions 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

Hose 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
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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 loading bucket
1106221

Mover 270db EVO T5 35 kW diesel engine
with loading bucket
1106400

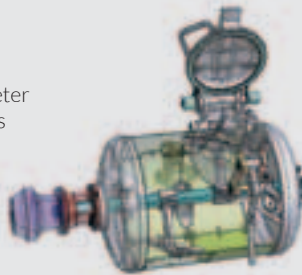
Mover 270dbr EVO T5 35 kW towable
diesel engine, with loading bucket
1106402

Mover 270dr EVO T5 35 kW towable diesel
engine, without loading bucket
1106404



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
- Hardox® 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 or New Generation Yanmar 4TNV88 4-cylinder 35 kW Stage 5 diesel engine, with self-regenerating DPF filter.
- High efficiency screw compressor
- Direct compressor-motor coupling with FAST-LOCK coupling

Standard Equipment

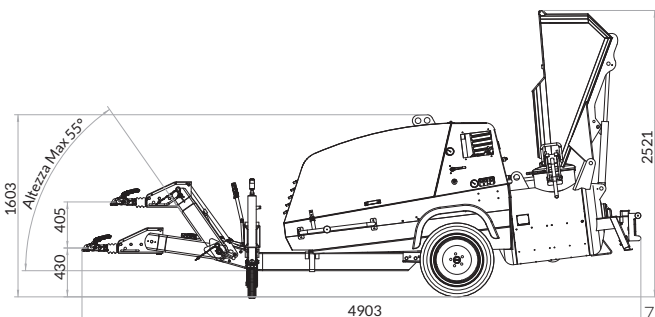
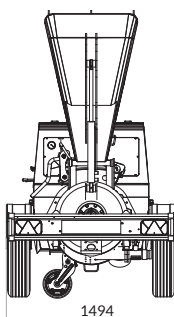
Fast-Lock transmission compressor
Yanmar 4TNV88 diesel engine (Stage 5 version only in the T5 model)
Control panel with Full-Check self-diagnosis
Mini display with diagnostic functions and hour meter
Integrated hydraulic system
Pressure tank 270 l certified
Ø 60 mm material outlet manifold for cams
20 + 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
Pumping height*	m	80	80	80
Pumping distance*	m	180	180	180
Loading height	mm	660	1000	660
Dimensions w / l / 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 77



MOVER 190eb EVO / 270e

Pneumatic conveyor for screeds

50 Hz

50 Hz

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

Mover 190eb EVO 230V/50Hz Sph 2.95 kW complete with loading bucket
1106210



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

60 Hz

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

Mover 270eb Installed power - 400V/60Hz 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:

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

Description

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

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

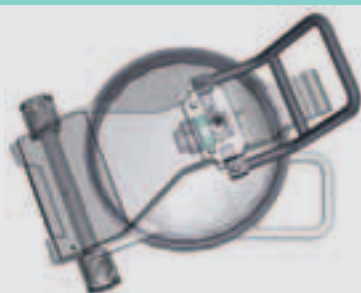
Mover 270e Minimum flow rate 3500 l / min (123.6 cfm), Pressure 7 bar (101.5 psi)

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 190eb EVO / 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

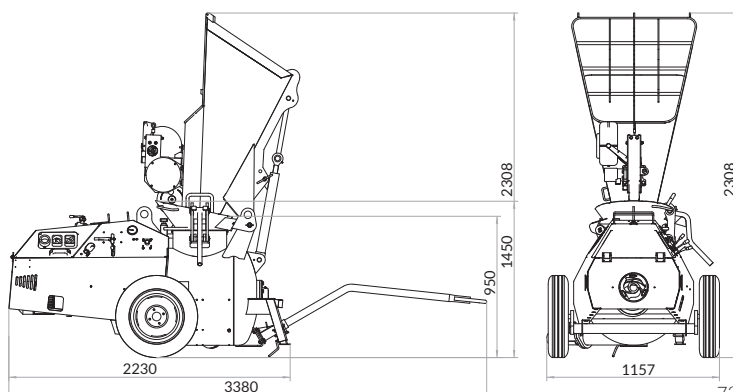
		Mover 190eb EVO	Mover 270e	Mover 270eb
Loading bucket	-	yes	no	yes
Mixer motor power	kW	2.2	5.5	5.5
Hydraulic power unit motor	kW	0.75	-	1.5
Max transportable grain size	mm	16	16	16
Tank capacity	l	270	270	270
Average cycle yield	l	160	220	220
Hourly output*	mc/h	2-4.5	3-6	3-6
Pumping height*	m	80	80	80
Pumping distance*	m	150	200	200
Loading height	mm	350	950	350
Dim. w / l / h with bucket raised*	mm	1157/2230/2308	1157/2230/1450	1157/2230/2308
Weight**	kg	750	630	750
Sound pressure level	dB (A)	< 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 77

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 190eb EVO / 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 integrated and air pressure sensor.
- Web Dashboard access and Cloud storage
- 5 years of data traffic included
- Pre-delivery installation included.



1107639

➡ Recommended for control:

- GPS position (and movement tracking)
- Hours of work per day
- Memorization of the number of work cycles
- Management costs analysis
- Ambient working temperature
- Scheduled maintenance
- Diesel engine alarms
- Compressor alarms
- Remote problem analysis
- Direct connection to Imer Service (when required)

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

1107169



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
190eb EVO, 270e and 270d EVO

1107212



Wear plates kit for Mover 190eb EVO,
270e and 270d EVO

Accessories for customized setups **MOVER 190eb EVO / 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 190eb

1107059



Wear plate kit for Mover 190 e

1107062

Mixing paddle kit for Mover 270 e/d,
190eb EVO, 270d EVO

1107212



Wear plate kit for Mover 270 e/d EVO,
190eb EVO



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 EVO WT
1106227	Mover 270dr EVO WT
1106224	Mover 270dbr EVO WT
1106401	Mover 270db EVO T5 WT
1106403	Mover 270dbr EVO T5 WT
1106405	Mover 270dr EVO T5 WT

Standard Equipment Mover 190 EVO / 270e WT

Certified pressure tank
Loading bucket with hydraulic power unit (Mover 190 EVO / 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



1106211	Mover 190eb EVO WT	230V/50Hz Sph 2.95 kW
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 w / l / 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
1106400	Mover 270db EVO T5	1780 kg	1500/4900/2350 mm	190 kg
1106404	Mover 270dr EVO T5	1700 kg	1500/4900/1700 mm	190 kg
1106402	Mover 270dbr EVO T5	1810 kg	1500/4900/2350 mm	190 kg
1106210	Mover 190eb EVO	750 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
1106401	Mover 270db EVO T5 WT	1780 kg	1500/4900/2350 mm	170 kg
1106405	Mover 270dr EVO T5 WT	1700 kg	1500/4900/1700 mm	170 kg
1106403	Mover 270dbr EVO T5 WT	1810 kg	1500/4900/2350 mm	170 kg
1106211	Mover 190eb EVO WT	750 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

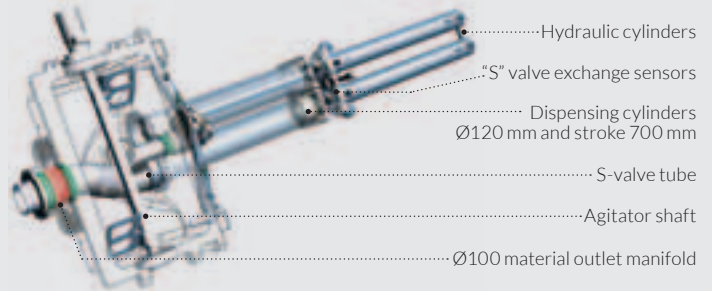
Booster 15 diesel engine Stage 5 - 22.3 kW
1106120

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



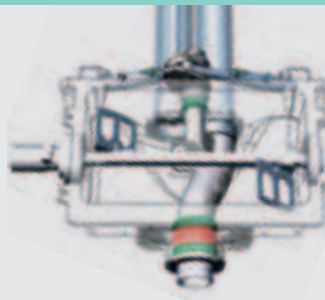
5-function cable remote control (standard):

- 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 Hardox® steel wear plates
- Self-compensation system of wear
- Agitator shaft to avoid segregation of the material during work

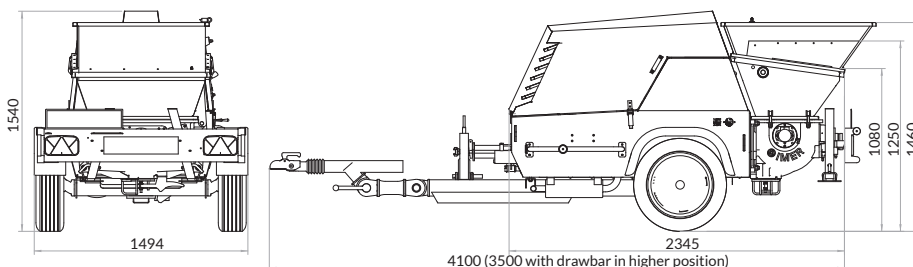
Standard Equipment

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 5 functions
Tool kit for replacing pumping pistons
Manual greasing pump
Axle with wheels 195R14
Adjustable handling bar (Booster 15 version)
EU road-towable approved (Booster 15 R version)

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	m	80
Pumping cylinder size	mm	120
Pumping cylinder stroke	mm	700
Number of S-valve exchanges	min	4 - 34
Machine dimensions w / l / h	mm	1494/4100/1540
Machine weight	kg	1550
Packed machine dimensions w / l / 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**

Kit IMERVIEW Prestige/ Booster 15 Connect 4.0

- GPS-GSM electronic control unit, GPS antenna integrated and air pressure sensor.
- Web Dashboard access and Cloud storage
- 5 years of data traffic included
- Pre-delivery installation included.

➔ Recommended for control:

- GPS position (and movement tracking)
- Hours of work per day
- Memorization of the number of work cycles
- Management costs analysis
- Ambient working temperature
- Scheduled maintenance
- Diesel engine alarms
- Compressor alarms
- Remote problem analysis
- Direct connection to Imer Service (when required)



1107670

Watch the video on
our YouTube channel



➔ 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
• 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 3 1/4" (75 mm)

1107199



Steel bend 90° Ø 3 1/4" (75 mm)

Fitting accessories suitable for pumping aggregates with a grain size of 19 mm

➔ Recommended for pumping:

- 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 3 1/4" fixed lever coupling for Ø 75 pipes

1107191



Reduction cone Ø 100 (4") - Ø 75 (3 1/4") att. Victaulic
l = 1000 mm

1107190



Rubber extension hose Ø 75 L 10 m Victaulic 3 1/4" +
Victaulic 3 1/4"

1107180



Victaulic kit for gasket for Ø 4" coupling for Ø 100 pipes

1107194



Kit of 5 Victaulic Ø 3 1/4" joint gaskets for Ø 75 pipes

1107195



One sponge ball for pipes Ø 75 (3 1/4")

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 w / l / h (mm) 1100/3000/1100

Box dimensions w / l / h (mm) 370/800/470

1106123



Accessories contained in the Kit

- 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 Ø 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 Ø 100 mm l. 3 m
Victaulic 4"- Victaulic 4"

1107186



Rubber end hose Ø 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



One sponge ball for 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)

Accessories contained in the Kit

- 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 Shotcrete, 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 switching of the S valve, capable of precisely dosing the quantity of additive preset.












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.



Accessories contained in the complementary Kit

- 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	1107192		Shotcrete gun for additive - Ø 50 camlock coupling and 3/4" quick couplings. Double inlet for air and accelerating additive
1106251		Deflectors for shotcrete gun, without additive inlet	1107187		Reduction cone Ø 100 (4") - Ø 50 (2") Victaulic l = 1000 mm
1107178		Victaulic pipe inspection and lubrication 90° bend	1107521		Kit 10 pieces sponge for cleaning hose Ø 50
1107189		Terminal rubber hose Ø 50 mm L 10 m Victaulic 2" - camlock Ø 50	1107180		Victaulic kit n° 5 gasket for Ø 4" couplings for Ø100 steel pipes
1107188		Rubber hose Ø 50 mm L 10 m Victaulic 2"	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



GERRIS 800

Crawler concrete placing boom

Gerris 800 Double motorization

Main: Honda GX390 petrol - 8.2 kW

Auxiliary: single-phase 230V/50Hz - 2.2 kW

1128754 **NEW**



Self-propelled undercarriage on extendable tracks, for easy mobility even on the most uneven terrain.

Automatic levelling outriggers system. Outrigger pads diameter 200 mm. Single outrigger pad ground pressure 4.34 kg/cm².



Honda GX390 main engine. Electric start from the control panel or radio-control.

Auxiliary electric motor. It allows to work connected to the power network even in closed environments, in the absence of exhaust gases and noise of the petrol engine.

Description

Gerris 800 is a self-propelled crawler concrete placing boom, with reduced dimensions (800 x 4930 mm) and low weight.

It is used to distribute pumped concrete, in any position within its range of about 8 m and up to a height of 11.20 m.

The distribution boom requires a small space for its opening (2.80 m). It is therefore able to operate even in places with not particularly high floors.

Radio-controlled, simple and intuitive to maneuver and to position in the working area, thanks to the self-levelling outriggers.

The auxiliary electric motorization allows to operate even in closed environments, in the absence of exhaust gases and noise of the petrol engine.

Suitable for laying pumped mortars / concretes with a maximum grain size of 25 mm (1"):

- Laying of concrete on foundation slabs
- Laying of concrete on floors
- Laying of concrete for pavements
- Filling of formwork for masonry works
- Filling of formwork for the construction of swimming pools
- Filling of formwork for columns (also disposable)
- Filling of THERMAL INSULATION walls in EPS / EXPANDED CLAY / VEGETABLE FIBERS, with collaborating formwork or diffused reinforcement
- Filling of prefabricated reinforced concrete walls
- Filling of load-bearing reinforced walls
- Filling castings for containment or foundation piles

Combined use with Booster 15 is recommended.

Operation

Handling

At the discretion of the operator, the petrol engine can be started directly from the remote control, or the machine can be connected to the mains via an extension cable. Pushing two levers in the remote control starts the tracks and the machine begins to move in the desired direction. To improve the stability of the machine when driving on heavy surfaces, the tracks can be widened simply by acting on the remote control. In case of excessive inclination of the chassis while driving, the machine stops automatically and signals the anomaly of use on the remote control. The self-propelled chassis has two travel speeds: "Slow" for maneuvering operations and "Fast" for long movements without obstacles.

Stabilization and self-levelling

Once you have reached the place where you intend to operate, stop driving and start the descent of the outriggers, until automatic levelling has taken place. At the end of the process the tracks will be lifted off the ground.

Opening

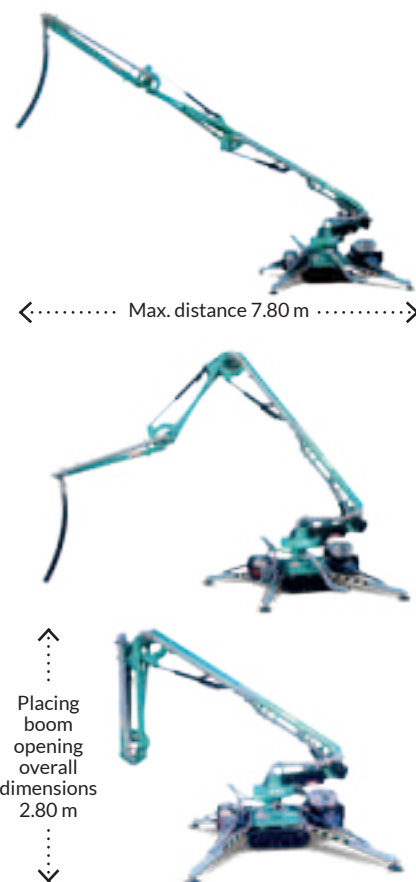
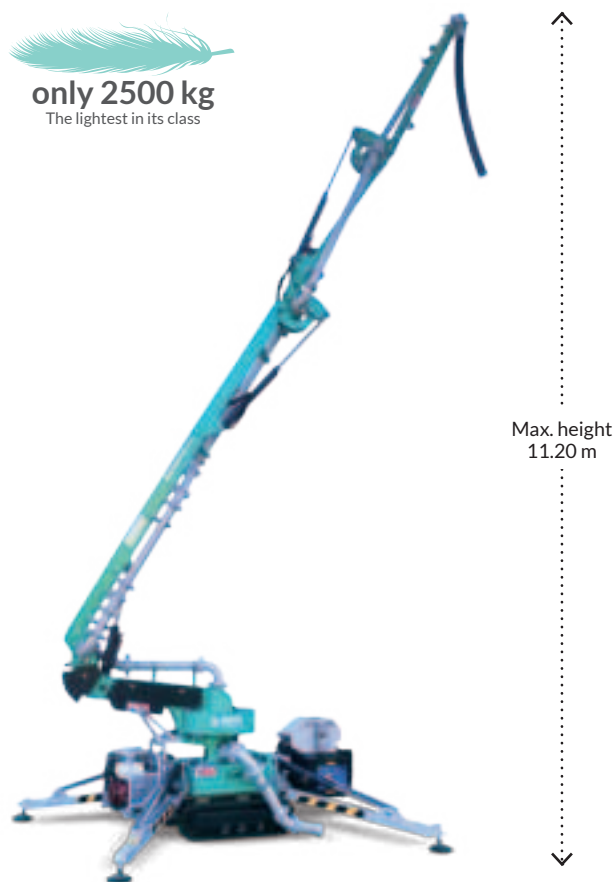
It begins with the lifting of the main boom up to a minimum height of 2.80 m, proceeding with the opening of the aerial part until the desired laying position is reached.

Ready to pump

Proceed with the connection of the pipes coming from the concrete pump by means of a rubber hose Ø 100 (4") directly to the collector pipe of the Gerris 800.

The pumping of the concrete is started and it can be laid where necessary by moving the distribution boom. To change the position of the machine, it is necessary to disconnect the pipes and return Gerris 800 to the transport position, to then proceed with a new positioning.


only 2500 kg
The lightest in its class



Robust and weatherproof wireless radio-control. It is light and easy to use, thanks to the multiple indications and the functional backlit display that indicates every single movement that is activated. Interchangeable rechargeable battery, with on-board charging support under key.



Didascalia di destra:
Ø 100 (4") material hose connection manifold, easily removable for machine handling.

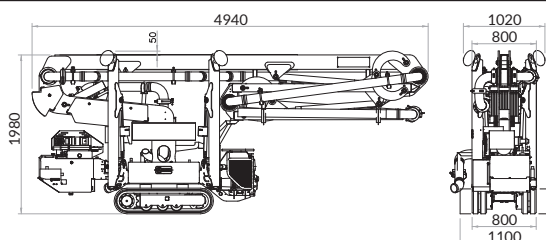
Standard Equipment

- Honda GX390 petrol hydraulic pump engine - 8.2 kW
- Auxiliary hydraulic pump electric motor 230V/50Hz - 2.2 kW
- Emergency manual hydraulic pump
- Wireless radio-control with backlit display
- Two rechargeable lithium batteries for radio-control
- Lithium battery charger integrated on the machine
- 12V maintenance battery charger installed on the machine
- Control panel on the machine
- Electronic hour counter
- Self-diagnosis and reporting anomalies of use
- Acoustic signaling of movement and abnormal conditions
- Double speed traction motors
- Rubber tracks, hydraulically expandable from 787 to 1050 mm
- Automatic outriggers levelling with electronic inclinometer
- Outrigger pads Ø 200 mm
- Automatic block valve on all hydraulic actuators
- Piping DN 100 (4")
- Rubber terminal tube DN 100 (4") 3m Length
- Removable header pipe for piping DN 100 (4")

Technical data

Max. height	m	11.20
Max. outreach	m	7.80
Depth of casting	m	5
Max. concrete grain size	mm	25 (1")
Overall dimensions stabilized machine	m	2.92 - 3.08
Max. traction speed	km/h	0 - 2.5
Gradeability	°	18
Turret rotation	°	355
Petrol engine	kW/rpm	8.2/3600
Auxiliary electric motor	V/kW	230/2.2
Starter battery	V/Ah	12/95 C5
Track pressure	kg/cm ²	0.90
Max. outriggers load	daN	1930
Sound pressure level	dB(A)	104
Transport width	m	0.80
Transport length	m	4.90
Transport height	m	2
Machine weight	kg	2500

Data, descriptions and illustrations shown in the catalog are not binding for IMER International SpA, which reserves the right to make changes to the production without prior notice.

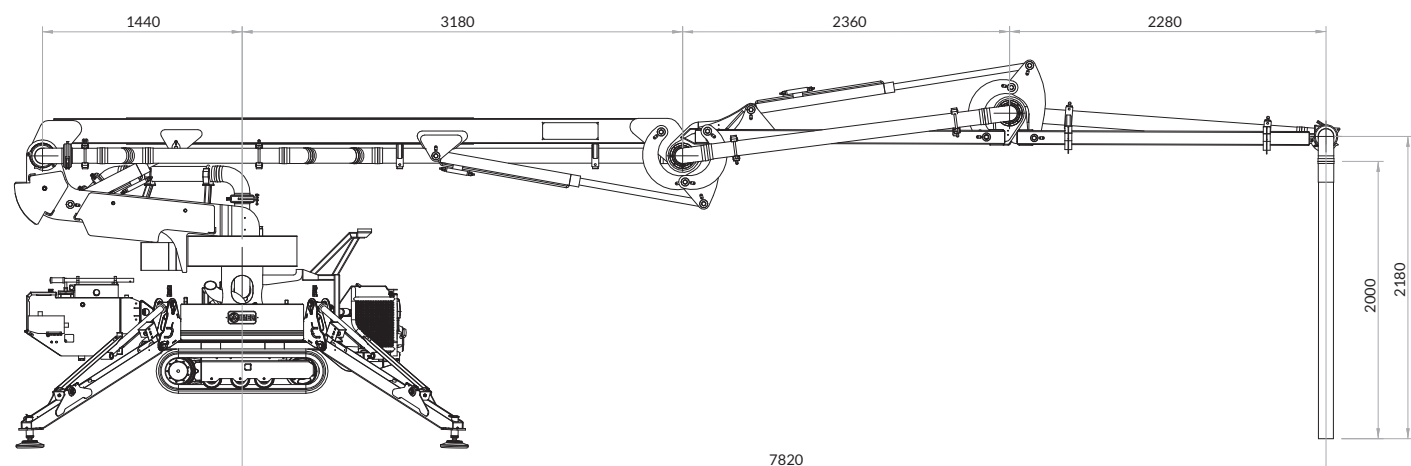
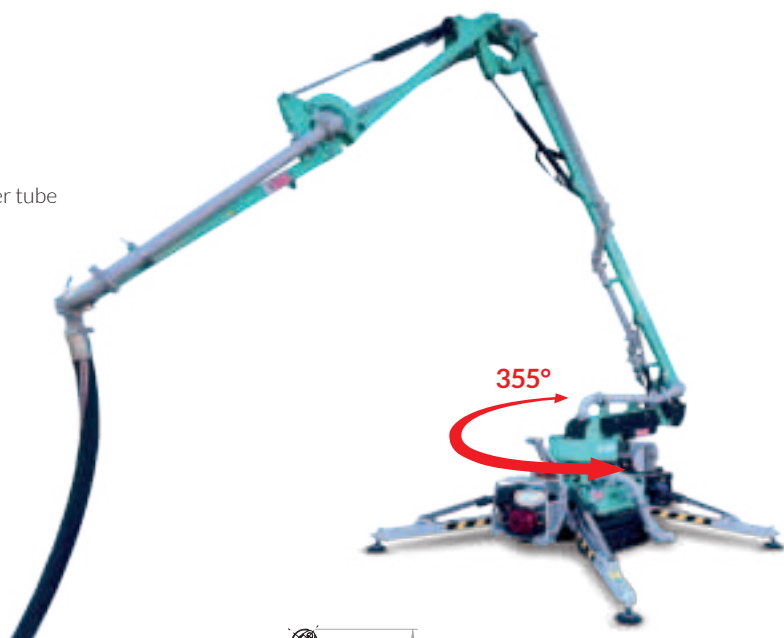
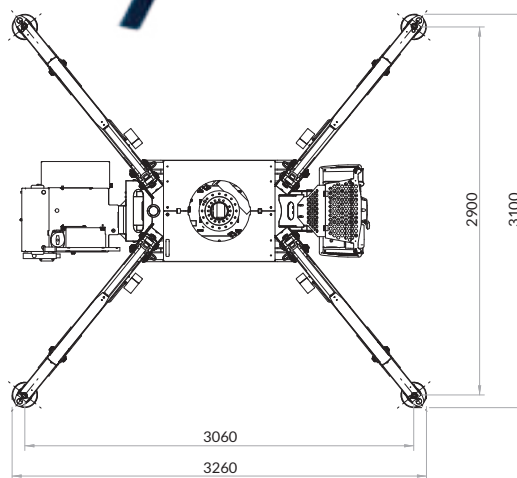
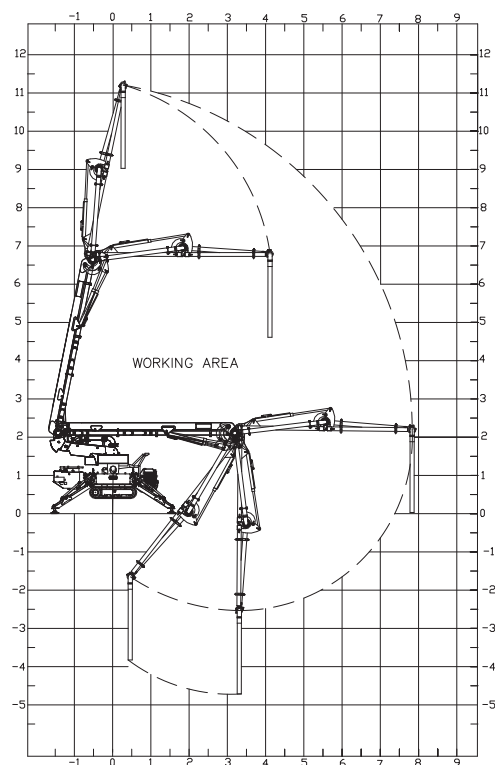


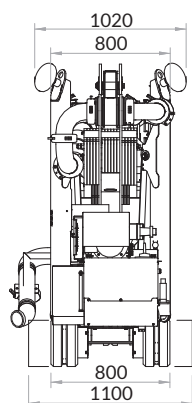
GERRIS 800

Crawler concrete placing boom

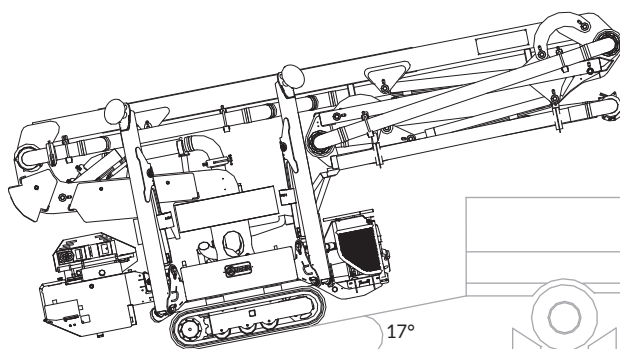
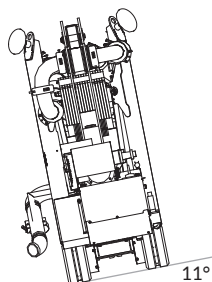
Work diagram

- Max. height served 11.20 m
- Max. depth of casting that can be reached, including terminal rubber tube 8 m
- Max. length of outreach 8 m
- Range of action 355°
- Overall outrigger footprint 3.1 x 3.26 m





Tracked undercarriage can be extended to increase stability while driving.



Max. inclination while driving.

Accessories for customized setups **Gerris 800**



1129183



KIT IMERVIEW for Gerris 800

- Gps-Gsm electronic control unit, with integrated antenna
- Pressure sensor
- Web Dashboard access and Cloud storage
- 5 years of data traffic included
- Pre-delivery installation included
- ➔ Recommended for remote control:
 - Geoforce with immediate warning "Machine out of perimeter"
 - Position and movement tracking
 - Battery status
 - Work environment temperature
 - Hydraulic system analysis
 - Direct connection to IMER Service

1129191



Lithium battery for radio-control

1129184



Material hose adapter from 4" to 4" 1/2

1129086



Non-marking rubber tracks

1107533



Material hose Ø 50 with camlock coupling - 10 m

1129069



Oversized outrigger pads (Ø 350 mm)

1107534



Material hose Ø 50 with camlock coupling - 20 m

SPIN 15 A

Continuous cycle mixer for premixed products

50 Hz

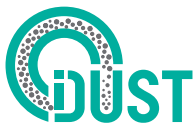
Spin 15 A Z-Clean 230V/50Hz Sph - 1.85 kW
1106155 **NEW**

60 Hz

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

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

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).

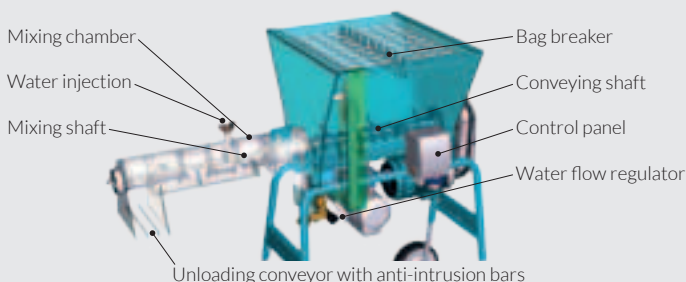


Spin 15 A Z-Clean
Z-Clean version with **SELF-CLEANING**
rubber mixing chamber.



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.

In Z-Clean version, the rubber pipe reduces the accumulation of residual material in the mixing chamber and allows easier and faster cleaning at the end of the work. The rubber material reduces noise emissions and increases the operator's comfort in closed environments.

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



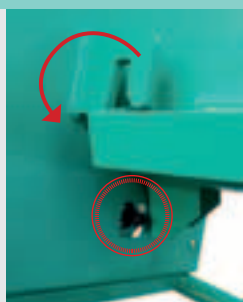
H load: 950 mm
H discharge: 455 mm



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 Hardox® 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 (w / l / h)	mm	701/1380/1165-950 (max-min)
Packaging dimensions (w / l / 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

➔ 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

1106154

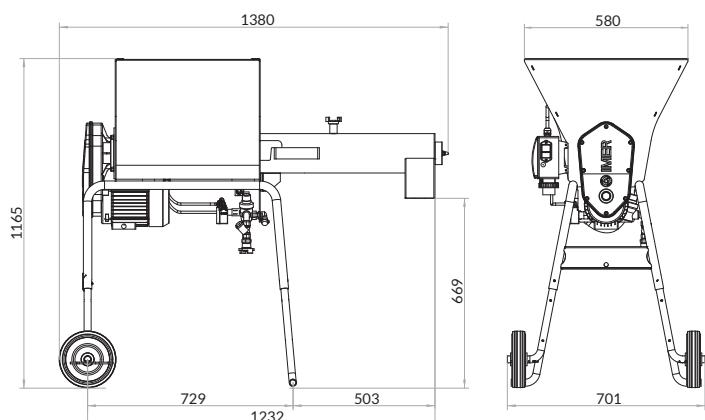


Rubber mixing chamber, self-cleaning for Spin 15 A (also previous versions)

1106157



Water pump inlet pressure limiter, Spin 15 A



SPIN 30 Plus

Continuous cycle mixer for premixed products in bags and in silo

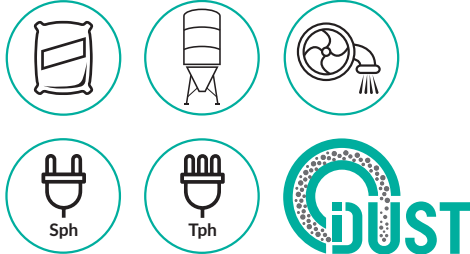
50 Hz

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 magnetothermic
- 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 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

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 magnetothermic



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 Hardox® 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 w / l / h	mm	640/1800/1168
Packaging dimensions w / l / 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

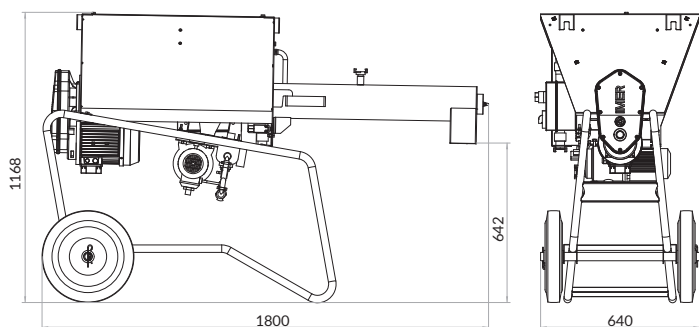


Blower hood with double filter, oversized for hopper extension (+250 l), for Spin 30 Plus
(Level sensor not included)

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

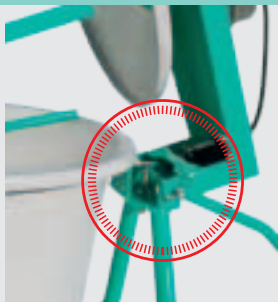
Mix 60 Plus 115V/50Hz Sph - 0.55 kW
1193980

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 underlayments
- 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

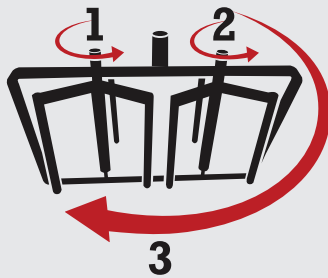
MIX-ALL

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 w / l / 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

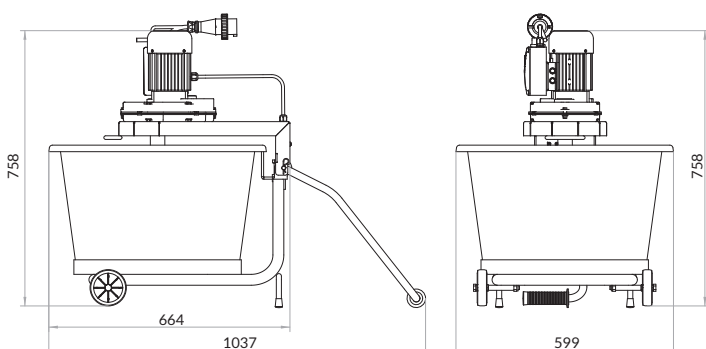


Specific paddle for mixing cementitious adhesives for fixing tiles or thermal coatings. Also excellent for the mixing of lightened materials (only 50 l bags)

1193968



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

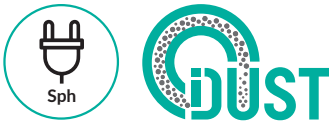


MIX 80

Planetary mortar mixer with forced action

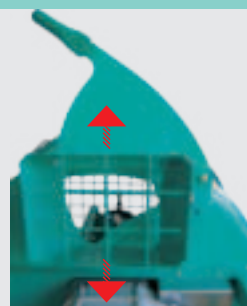
Mix 80 115V/50 Hz Sph - 1 kW
1194084

Mix 80 230V/50 Hz Sph - 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.

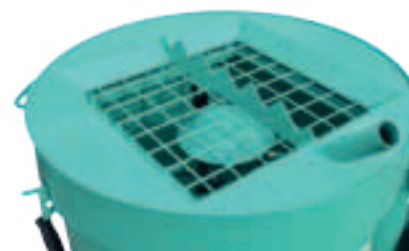
Mix 80 can work continuously throughout the day. In case of accidental locking of the paddles, a self-resetting thermal protector will protect the electric motor.

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.

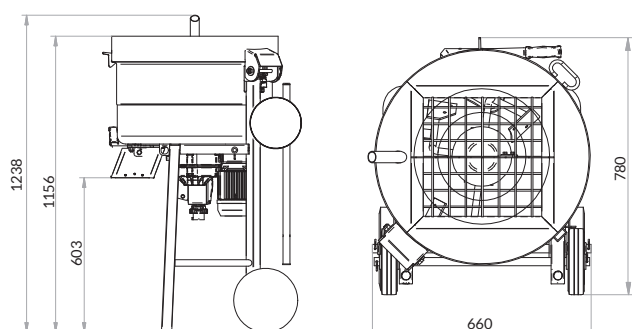
Standard Equipment

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 w / l / h	mm	660/780/1238
Packaging dimensions w / l / 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.

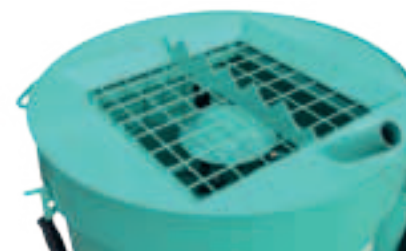
If you notice the formation of a few lumps, reverse the rotation direction of the paddles for a few seconds by acting on the appropriate selector (from position 1 to position 2).

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

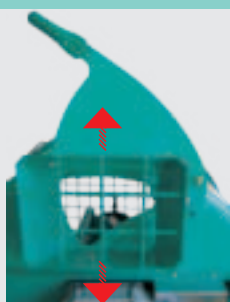
Easily discharge material by placing a container under the discharge conveyor and opening the appropriate outlet while the machine is on.

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 w / l / h	mm	739/890/1282-1217 (max-min)
Packaging dimensions w / l / 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

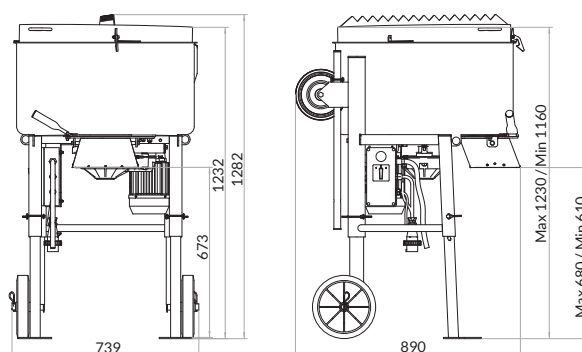


I-Dust grate

1107617



200 x 50 mm oversized wheels kit
Complete with axle and components for installation



MIX 200

Planetary mixer with forced action for premixed in bags and traditional mortars

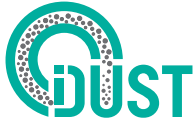
50 Hz

Mix 200 230V/50Hz Sph 2.5 kW
1195161 **NEW**

60 Hz

Mix 200 115V/60Hz Sph 1.1 kW
1195163 **NEW**

Mix 200 with Honda petrol engine GXV160 3.2 kW (2 kW cont.)
1195160



The I-DUST grate connected to a vacuum cleaner with a minimum power of 1.4 kW eliminates most of the volatile dust produced while emptying the bags of material in the mixer, always leaving the work environment clean.



Oscillating discharge outlet, with anti-intrusion protection grate. It 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 shake the conveyor if necessary, freeing the passage of the material. Especially useful when using fiber-reinforced products.

Description

Mixer with large capacity and excellent maneuverability thanks to its small size and low weight.

Available in towable version. The standard I-DUST grate limits the dust in the surrounding environment.

The height of the legs adjustable in 3 positions allows to easily unload the material into any kind of container.

Suitable for mixing:

- Premixed or traditional cementitious screed, also with 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 flooring
- Self-levelling anhydride / cement based screeds
- Thermal insulating cork or polystyrene 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
- Polystyrene or cork based insulating plasters
- Fiber-reinforced mortars for reinforcement
- Premixed / traditional masonry mortars
- Filling concrete with 6 mm grain size
- Concrete for continuous draining flooring
- Mortars for heat protection
- Fireproofing

In combination with a Step 120 plastering pump, it forms a mixing and pumping unit ideal for products for the repairing of concrete structures.

Operation

The machine must be positioned flat on the support legs, adjusted to the necessary height for unloading. When the machine is turned on, the mixer paddles turn clockwise.

At this point it is possible to pour a first bag of material by breaking it on the bag breaker placed above the grate. The I-DUST grate, when connected to a vacuum cleaner, greatly reduces the dust released into the air, keeping it breathable in a clean work environment. Then you can proceed to pour all the water for the mixture you intend to make and you can continue uninterruptedly with the loading of the remaining product.

In the case of traditional products (such as mortars for masonry), it is advisable to initially pour sand into the drum and, subsequently, all the water for the mixture.

Then you can proceed to pour the bags of cement and finally the sand. The rotation of the powerful paddles moves the mixture from the bottom upward, and from the centre outward. After a few seconds of waiting, the product is mixed with no lumps, cement balls or fibers.

The product can be easily discharged into a container by opening the discharge outlet.

In the case of fiber-reinforced products that could clog the anti-intrusion grate placed in the discharge conveyor, it is possible to manually shake the conveyor favoring its exit. For cleaning at the end of the work, simply pour water into the drum with the machine on, allowing the paddles to do a first general wash.

Once the machine has been turned off and the grate opened, cleaning of drum and grate can be completed. At the end, the residual water can be discharged into a container located under the discharge conveyor.



Towing approved (EU) for road circulation

- Towbar with Ø 50 ball hook, standard mudguards and optional light bar kit
- Light trailer < 750 Kg



Safety and cleanliness.

- Engine compartment covered and protected.
- Mechanical moving parts equipped with protections.
- IP55 control switch located under the hood and accessible from the outside.



Forklift guides.
They facilitate handling in warehouses and on site.

Standard equipment

Single-phase electric motor 2.5 kW 2P 230V/50Hz (electric version)
 Honda GXV160 3.2 kW petrol engine (petrol version)
 Magnetothermic switch with IP55 undervoltage coil and IP67 plug (electric version)
 I-DUST grate with connector tube for vacuum cleaner
 Loading / unloading height adjustable in 3 positions 550/680/810 mm
 Manually shakable discharge outlet to facilitate unloading
 Mixing paddles adjustable in height up to 18 mm
 Electric safety grate opening
 Lifting hooks positioned on 4 sides
 Forklift guides
 Approved towbar with Ø50 ball hook
 Mudguards
 Pneumatic road wheels and axle with independent elastic suspension
 Towing approved (EU) for road circulation (it requires the addition of the optional light bar kit)

Technical data

Drum capacity	l	200
Mixing performance	l/min	140
Drum diameter	mm	800
Paddle speed: electric / petrol	rpm	32 / 31
Motor power: electric / petrol	kW	2.5 / 3.2
Running current 230 V (115 V)	A	15.9
SPL in operator's position: electric / petrol	dB(A)	70 / 88
Discharge height: max. - min.	mm	810-550
Machine weight: electric / petrol	kg	265
Dimensions with drawbar w / l / h	mm	1080/2525/1160
Dimensions for transport w / l / h	mm	1080/1410/1320
Max stackability*		2 (h 2280 mm)

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

Accessories

1107672



Light bar kit (required for road towing)

1107632

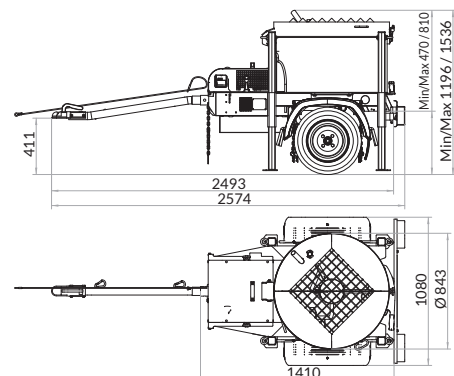


Rubber paddles kit

1107665



Outlet slide kit for loading on Step 120



MIX 360 R Plus

Planetary mixer with forced action for premixed in bags and traditional mortars

50/60 Hz

60 Hz

Mix 360 R Plus 400V 50/60Hz TpH 3 kW
1194660 NEW

Mix 360 R Plus 230V/60Hz SpH 4 kW
1194662 NEW

Mix 360 R Plus with Honda petrol engine GXV390 8.1 kW
1194661 NEW



The I-DUST grate (standard), when connected to a vacuum cleaner, eliminates most of the volatile dust produced while emptying the bags of material in the mixer, always leaving the work environment clean.



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.

Description

Mixer with large capacity and excellent maneuverability thanks to its small size and low weight. New design and new frame structure.

Available in towable version. The standard I-DUST grate limits the dust in the surrounding environment.

The height of the legs adjustable in 3 positions allows to easily unload the material into any kind of container.

Suitable for mixing:

- Premixed or traditional cementitious screed, also with 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 flooring
- Self-levelling anhydride / cement based screeds
- Thermal insulating cork or polystyrene 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
- Polystyrene or cork based insulating plasters
- Fiber-reinforced mortars for reinforcement
- Premixed / traditional masonry mortars
- Filling concrete with 6 mm grain size
- Concrete for continuous draining flooring
- Mortars for heat protection
- Fireproofing

In combination with a Step 120 plastering pump, it forms a mixing and pumping unit ideal for products for the repairing of concrete structures.

Operation

The machine must be positioned flat on the support legs, adjusted to the necessary height for unloading. When the machine is turned on, the mixer paddles turn clockwise.

At this point it is possible to pour a first bag of material by breaking it on the bag breaker placed above the grate. The I-DUST grate, when connected to a vacuum cleaner, greatly reduces the dust released into the air, keeping it breathable in a clean work environment. Then you can proceed to pour all the water for the mixture you intend to make and you can continue uninterruptedly with the loading of the remaining product.

In the case of traditional products (such as mortars for masonry), it is advisable to initially pour sand into the drum and, subsequently, all the water for the mixture.

Then you can proceed to pour the bags of cement and finally the sand. The rotation of the powerful paddles moves the mixture from the bottom upward, and from the centre outward. After a few seconds of waiting, the product is mixed with no lumps, cement balls or fibers. The product can be easily discharged into a container by opening the discharge outlet.

In the case of fiber-reinforced products that could clog the anti-intrusion grate placed in the discharge conveyor, it is possible to manually shake the conveyor favoring its exit. For cleaning at the end of the work, simply pour water into the drum with the machine on, allowing the paddles to do a first general wash.

Once the machine has been turned off and the grate opened, cleaning of drum and grate can be completed. At the end, the residual water can be discharged into a container located under the discharge conveyor.



Towing approved (EU) for road circulation

- Towbar with Ø 50 ball hook, standard mudguards and optional light bar kit
- Light trailer < 750 Kg



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. 550 max. 810 mm), locking them with the appropriate pins.
3. Lift the machine from the side of the discharge outlet using the jack for machine lifting.
4. Extend the legs to the same height as those of the towing side, locking them with the appropriate pins.



Jack supplied as standard for machine lifting.



Motor compartment covered and protected. IP55 control switch (electric version) located under the hood and accessible from the outside.



The outlet slide kit (optional) allows the easy loading of the material on the Step 120 plastering pump, forming a mixing and pumping unit ideal for products for the repairing of concrete structures.

Standard Equipment

Three-phase 400V/50-60Hz 3 kW or single-phase 230V/60Hz 4 kW electric motor (electric version)

Honda GXV390 8.1 kW petrol engine (petrol version)

Magnetothermic switch with IP55 minimum voltage coil and IP67 plug (electric version)

I-DUST grate with connector tube for vacuum cleaner and bag breaker blade

Electric safety grate opening

Mixing paddles adjustable in height up to 20 mm

Lifting hooks positioned on 4 sides and forklift guides

Loading / unloading adjustable height in 3 positions 550/680/810 mm

Oscillating discharge outlet to avoid clogging and facilitate cleaning

Bonnet and hood fastening with silent and easy-to-use Valpa elastic closures

Washing gun

Jack for machine lifting

Pneumatic wheels and axle with independent elastic suspension for excellent mobility on the building site

Version approved for road towing (with optional light bar kit added)

Technical data

Drum capacity	l	360
Mixing performance	l	200
Drum diameter	mm	950
Paddle speed: electric / petrol	rpm	35
Motor power: electric motor/petrol engine	kW	3 (Tph) - 4 (Sph) / 8.1
Electric motor running current	A	7 (Tph) / 23 (Sph)
SPL in operator's position: electric / petrol	dB(A)	70 / 88
Discharge height: max. - min.	mm	810-550
Machine weight: electric / petrol	kg	357/360
Dimensions with drawbar w / l / h	mm	1186/2779/1400-1660 (min-max)
Dimensions for transport w / l / h	mm	900/1500/1600
Max stackability*		1 (h 1600 mm)

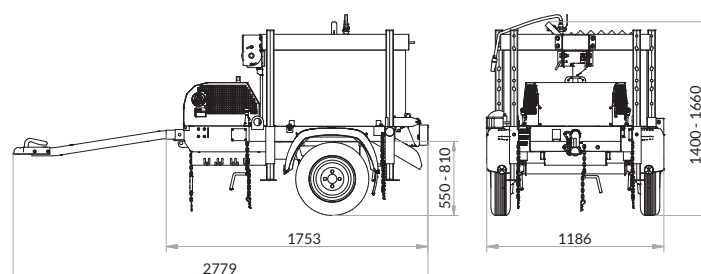
(*) Number of stackable pieces and total height including pallet.

Accessories

1107695  Light bar kit (required for road towing)

1107698  Rubber paddles kit

1107696  Outlet slide kit for loading on Step 120



MIX 750

Planetary mixer with forced action for premixed mortars in bags or in silos and traditional mortars

50/60 Hz

Mix 750 400V 50/60 Hz 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.

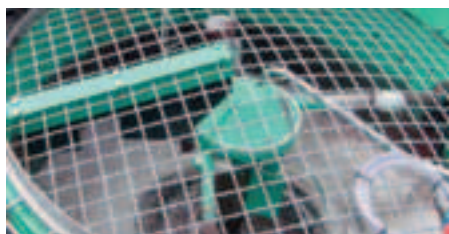
When the machine is turned on, the mixer paddles turn clockwise. Begin the first bag of material by breaking it on the bag breaker located above the grate, and then add the water for the mixture. After adding the water, continue to load the remaining product without interruption, being careful not to 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.

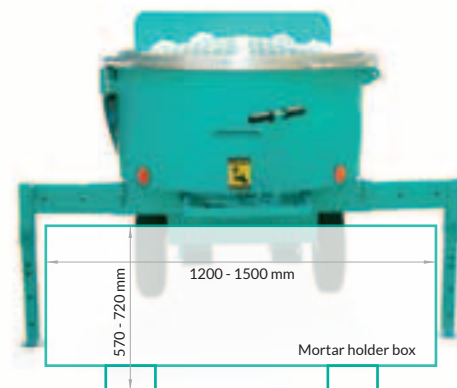
The rotation of the paddles moves the material from the bottom upward, and from the centre outward. The satellite blade rotates counterclockwise with respect to the movement paddles, moving and breaking the mass of the material several times. After a few seconds the product is mixed with no lumps, concrete 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.



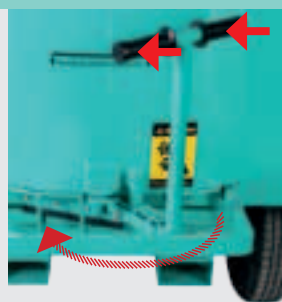
Easy positioning of the machine:

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.

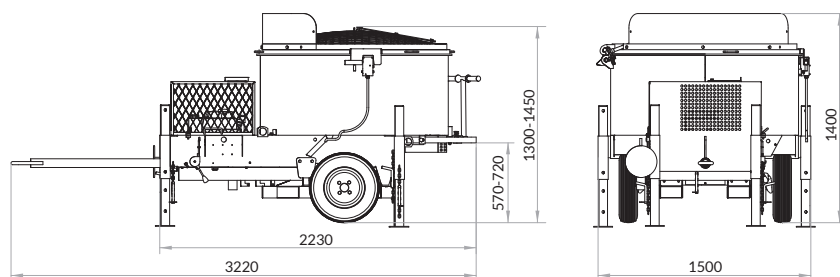
Standard Equipment

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 4 kW (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 w / l / h	mm	1500/3220/1400
Dimensions for transport w / l / 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

1107037



Stator D6-3
NO SPINNING

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



Packaging 6 pieces for single code

➔ 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



Packaging 6 pieces for single code

➔ 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



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 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

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 (PSI 363)

Maximum grain size: in 0.26 (7mm)

Flow rate at 400 rpm: 60l/min (Gal/min 16)

1107668



Stator R7 - 2.5

1107667



Rotor R7-2.5 with tab

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



Stator 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 turbo mixer
- 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

1107541



Mixer for lightened materials

1107597



Mixer for self-levelling floor screeds

1107517



Turbomixer for "D" series stators. Manifold outlet Ø 25M and Ø 35M

1106325



Turbomixer for stators "R" series with pressure gauge included. Manifold outlet Ø 25M and Ø 35M

Plaster / Stucco / Traditional mortar / Fireproofing spray guns

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

1107568



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

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

1107604



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

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

1107567

Deflector with hose connector 13-16 mm

Guns for Grouting / Spacing fills

1107504



Spacer filler gun for A1 panel with control sensor: On-Open / Off-Closed 24V socket

1107499



Conical tube gun for spacing Ø 25

- Sectionable steel tube to obtain the desired outlet diameter.
- No spreading ball valve

U bend hose for filling

1107570



U-shaped steel pipe Ø 25

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

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



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

1107662	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

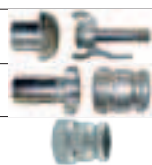


Pneumatic floor screeds conveyors fittings

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"





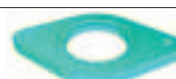


Spare parts for spray gun



3223348		Ø 25 spray gun plastic pipe
3223345		Ø 25 spray gun aluminum head
3209356		Spray gun Eyebolt M10
3224701		Light plastic material camlock coupling Ø25 F. -1" G.F.
3223344		Ø25 spray gun air unit support

3224361		Steel camlock coupling Ø 35 F threaded F 1 - 1/4"
3226721		Ø 35 spray gun aluminum head
3225598		Air nozzle unit with ball valve and geka coupling
3225832		Air nozzle unit with ball valve, geka coupling and air flow regulator
3223694		Nozzle cleaner

Spare parts for pumping units

Spare parts group for stator 2L6 clamp		
1x 3224334	Clamp for 2L6 stator	
4x 3225644	Screw M 16X90 z	
2x 3210871	Screw M 16X80 z	
4x 3223930	Self-locking nut M 16	
Spare parts group to replace stators "C 90 x 200" series, with stators "D 90 x 273" series		
2x 3233695	M16 tie rod	
6x 3223806	M16 nut	
4x 3224640	16 x 33 washer	
3237556		Koine 4 flange for R series stators

Pressure control

3229358		Pressure gauge with M Ø50 camlock coupling / 0-100 pressure gauge
3225836		Stator pressure calibration group with M Ø50 camlock coupling




Specific spare parts for Step120

3223633		Step 120 grate with 12 mm passage
3226027		Hopper grate sensor


Specific spare parts for plaster sprayers and mixers

3223631		Solenoid valve 1/2" 24V 50/60 Hz
3228388		Solenoid valve 1/2" 24VDC
3227839		Solenoid valve 1/2" 230V 50/60 Hz
3223349		Koine mixing chamber scraper
3223352		Motor connection
3223633		Flowmeter 100-1500 l / h
3223629		1/2" pressure reducer for plastering machines
3226729		Pressure reducer filter
3223347		Koine 4 - 35 mixing chamber scraper rod
3224916		Koine 3 mixing chamber scraper rod
3223354		Rotor replacement wrench


Water hose

3228464		30 m 3/4" water hose with quick couplings
3223706		40 m 3/4" water hose with quick couplings
3224546		20 m 3/4" water hose with quick couplings

Camlock adapters


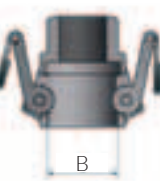

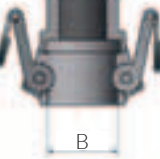

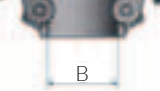




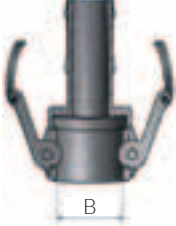

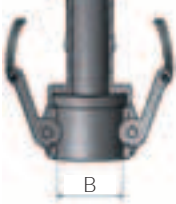
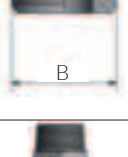
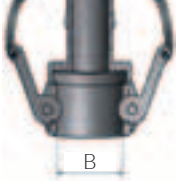

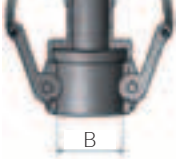



3238000		Ø35 / Ø25 M / M Camlock coupling adapter
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Power cord extensions










3224493		Power cord H07RN F3x2.5 + PLUGS 2P + T 240V 16° 20M
3223699		Power cord H07RN-F4X4 + PLUGS 3P + T 400V 32A 40M
















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 3/4" B 32.4 mm
3225933		Camlock coupling M Ø 25 for Ø25 hoses B 41 mm	3224709		Single lever camlock coupling F Ø25 Threaded F 1" B 32.4 mm
3225935		Camlock coupling M Ø 35 for Ø35 hoses B 49.5 mm	3223704		Camlock coupling F Ø35 Threaded F 1-1/4" B 51 mm
3225937		Camlock coupling M Ø 50 for Ø50 hoses B 63 mm	3224492		Camlock coupling F Ø50 Threaded 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 Threaded F 1" B 41 mm
3225936		Camlock coupling F Ø 35 for Ø 35 hoses B 51mm	3224361		Camlock coupling M Ø35 Threaded 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 Threaded 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 Threaded 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 Threaded 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



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 (Excluding model T5)

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
3235528	Hydraulic oil filter cartridge

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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