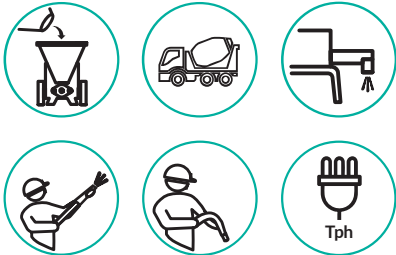


STEP 120 three-phase

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.

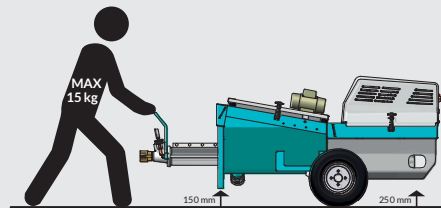
Equipped with an exclusive IMER IM25L pumping unit capable of satisfying most pumping and spraying needs. It can be further optimized for specific needs, due to a wide range of optional accessories.

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 310l / 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.

