

STEP-UP 120



SPRAY & GROUT PUMP

When you need more power to push through stiffer material, or you just need more volume, then look no further than the Step-Up 120 series of pumps.

Inverter technology on the single phase and brute strength on the 3 phase units make these pumps ideal for larger jobs. Industrial duty motors are designed to run all day without stopping. The volume of material which can be applied in one day is outstanding.

With the ability to handle aggregates up to 3/8" and 35% concentration, these pumps are extremely versatile. Pump or spray mortars, stuccos, grouts, restoration mortars, underlayment, fireproofing, waterproofings and many other materials.

Newly added configurations help you to customize for any type of job. We can help you choose the right standard unit and parts needed to tackle any project.



The Step-Up 120 shown above was used to mix and then pump Sika grout with the addition of small aggregate into a broiler room 200 feet away. This was a public school job and the grout was used to fill forms and encase the structural steel beams.

As space inside the broiler room was very limited, the contractor setup outside and proceeded to pump the grout into the school through an access vent... a really difficult application solved by using IMER's compact pump and mixer combination!

Thanks to Gazebo Construction, Queens, NY.

RENTAL SHOPS & DISTRIBUTORS SPEAK UP

"I've been on many job sites in which we used the Step Up 120 to spray stone face such as at the Mystic Aquarium in CT. The customer was absolutely in love with the way he was able to mix and then spray the "rocks" onto the wall. I couldn't imagine a better way that it could have been done. 220V and single phase made it easy to find the right power source especially working indoors."

– Mike Puleo, IMER USA Direct, West Haven, CT

"The Step Up 120 has been a life saver for many jobs that require the pumping of grout, some with aggregate into overhead forms in confined spaces. It's small enough to get down a freight elevator, electric so no fumes and it's now available with the i-Dust grate for a dust free environment. It's now more configurable than ever with choices of single phase or 3, towable or portable, with or without mixer, attached air compressor or not for straight pumping and also many different options for hoses. When the job site requires a solid pump to push quality material then look no further than the Step Up 120."

– Robert Bacarella, CEO, IMER Group | USA

We wanted to have a mixing, pumping, and spraying machine that could be operated on most job sites. The IMER Step-up 120 fit our needs very nicely. Most pumps that have this kind of performance and versatility require 3 phase power, not so with the Step-Up 120, 220 volt single phase is all you need – and only 30 amps! The unit is so compact that fitting it into freight elevators is no problem."

– Kevin Kazimar, Owner, Area Rentals, Hillside, NJ



STEP-UP 120

SCREW PUMP FOR PUMPING AND SPRAYING APPLICATIONS



NOISE LEVEL
<79 DB

STEP-UP 120 | Model # 1106180 | 220V/60Hz, 3 HP, Single Phase

STEP UP TO IMER'S STEP-UP 120 SERIES SPRAY AND GROUT PUMPS

When you need more power to push through stiffer material, or you just need more volume, then look no further than the Step-Up 120 series of pumps. The IMER Step-Up 120 is a towable but very compact sized pump suited for very unique pumping situations and environments. These pumps are extremely versatile. Pump or spray mortars, stuccos, grouts, restoration mortars, underlayments, fireproofing, waterproofings along with many other materials.



DUST GRATE INCLUDED

Take control of dust. Easily attach IMER's **iDUST** dust grate and attach a vacuum, watch the dust pull downward, away from operators.



COMPRESSOR














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



Technical specifications

	STEP-UP 120 10
Motor power rate	3 hp
Mixer power rate	2 hp
Electric compressor	1 hp / 9 cfm
Max aggregate size	1/4 in
Maximum flow rate	1.5 cu yd
Horizontal pumping distance (*)	200 ft
Vertical pumping distance (*)	100 ft
Hopper capacity	4.25 cu ft
Dimensions	33 W x 80 L x 38 H in
Weight	616 lbs.

(*) The pumping distance will vary depending upon the type of material being used.

STEP-UP 120 APPLICATIONS				
		Pumping of grouts, self-leveling underlayments	Spraying fireproofing	Spraying mortar, stucco base coat (1/8" or more of build-up)
Product / Part #		A	B	C
	Dual diaphragm compressor Part # 1107602		✓	✓
	Non-towing wheel kit Part # 1107633	✓	✓	✓
	Step up 120 pan mixer Part # 1107596	✓	✓	✓
	Spin 30 continuous mixer with iDust grate - Part # 1106152	✓	✓	✓
	33' x 35mm hose Part # 1107528	✓	✓	✓
	50mm to 35mm material hose reducer Part # 1106178	✓	✓	✓
	Vibrating grate Part # 1107592	✓		✓
	120' remote control Part # 1107574	✓	✓	✓
	2L6 rotor/stator kit Part # 1107088	✓	✓	✓
	Spray gun 35mm male Part # 1107577			✓
	Pintle tow ring Part # 1107161	✓	✓	✓
	5' overhead wand Part # 1107549		✓	
	16' x 35mm male to 25mm male hose Part # 1107074		✓	

✓ Required ✓ Optional

STANDARD EQUIPMENT SINGLE PHASE

- Inverter Control panel
- 66' power cord
- Remote control ready
- 3 h.p. single phase 100% duty cycle motor
- IM25L rotor/stator
- Tow kit
- Grate for premixed materials
- Accessory tool box

CONTROL PANEL SINGLE PHASE



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

STEP-UP 120

SCREW PUMP FOR PUMPING AND SPRAYING APPLICATIONS



NOISE LEVEL
<79 DB

STEP-UP 120 | Model # 1106181 | 220V/60Hz, 7.5 HP, 3 Phase

STEP-UP 120 SERIES SPRAY AND GROUT PUMPS

Pump or spray mortars, stuccos, grouts, restoration mortars, underlayments, fireproofing, waterproofings and many other materials. The 3 phase power gives you more horsepower to push material further and with more flow. Pump grouts with 3/8" aggregates.



CONTROL PANEL THREE PHASE
















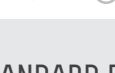


- 1 On/Off switch
- 2 Current supply light
- 3 Emergency stop button
- 4 Rotor/stator forward/reverse
- 5 Vibrating grate switch
- 6 Safety default light
- 7 Speed control switch

Technical specifications

	STEP-UP 120 3Ø
Motor power rate	7.5 hp
Mixer power rate	2 hp
Electric compressor	3 hp / 11 cfm
Max aggregate size	3/8 in
Maximum flow rate IM25L	2.75 cu yd
Maximum flow rate 60.12	6 cu yd
Maximum flow rate 2L6	2.35 cu yd
Horizontal pumping distance (*)	300 ft
Vertical pumping distance (*)	200 ft
Hopper capacity	4.25 cu ft
Dimensions	33 W x 80 L x 38 H in
Weight	616 lbs.

(*) The pumping distance will vary depending upon the type of material being used.

		STEP-UP 120 APPLICATIONS				
		Pumping of grouts, self-leveling underlayments	Spraying fireproofing	Mortar and stucco setup	Low volume shotcrete	Grouts with 3/8" aggregate
Product / Part #		A	B	C	D	E
 Spin 30 continuous mixer with iDust grate - Part # 1106152		✓	✓	✓	✓	✓
 Step-Up 120 pan mixer, 3 phase Part # 1107509		✓	✓	✓	✓	✓
 Piston compressor, 3 phase Part # 1107585			✓	✓		
 2L6 Rotor/stator kit Part # 1107088			✓	✓		
 60.12 Rotor/stator kit Part # 1107090		✓	✓	✓	✓	
 Vibrating grate Part # 1107593		✓		✓	✓	✓
 33' x 35mm hose Part # 1107528		✓	✓	✓		
 33' x 50mm hose Part # 1107533		✓	✓	✓	✓	✓
 50mm to 35mm material hose reducer Part # 1106178		✓	✓	✓		
 120' Remote control - Part # 1107574 Included with mixer - Part 1107509		✓	✓	✓	✓	✓
 Non-towing wheel kit Part # 1107633		✓	✓	✓	✓	✓
 Spray gun step 120 Part # 1107577				✓		
 Shotcrete gun Part # 1106250					✓	
 5' overhead wand Part # 1107549			✓			
 16' x 35mm male to 25mm male hose Part # 1107074			✓			
 Pintle tow ring Part # 1107161		✓	✓	✓	✓	✓

✓ Required ✓ Optional

STANDARD EQUIPMENT 3 PHASE

- 2 speed Control panel
- 133' power cord
- Remote control ready
- 5 h.p. / 7.5, 2 speed, 3 phase 100% duty cycle motor
- IM25L rotor/stator
- Tow kit
- 33' of Ø 35mm hose with cam coupling
- 50MM to 35mm material hose reducer
- Grate for premixed materials
- Accessory tool box

STEP-UP 120A

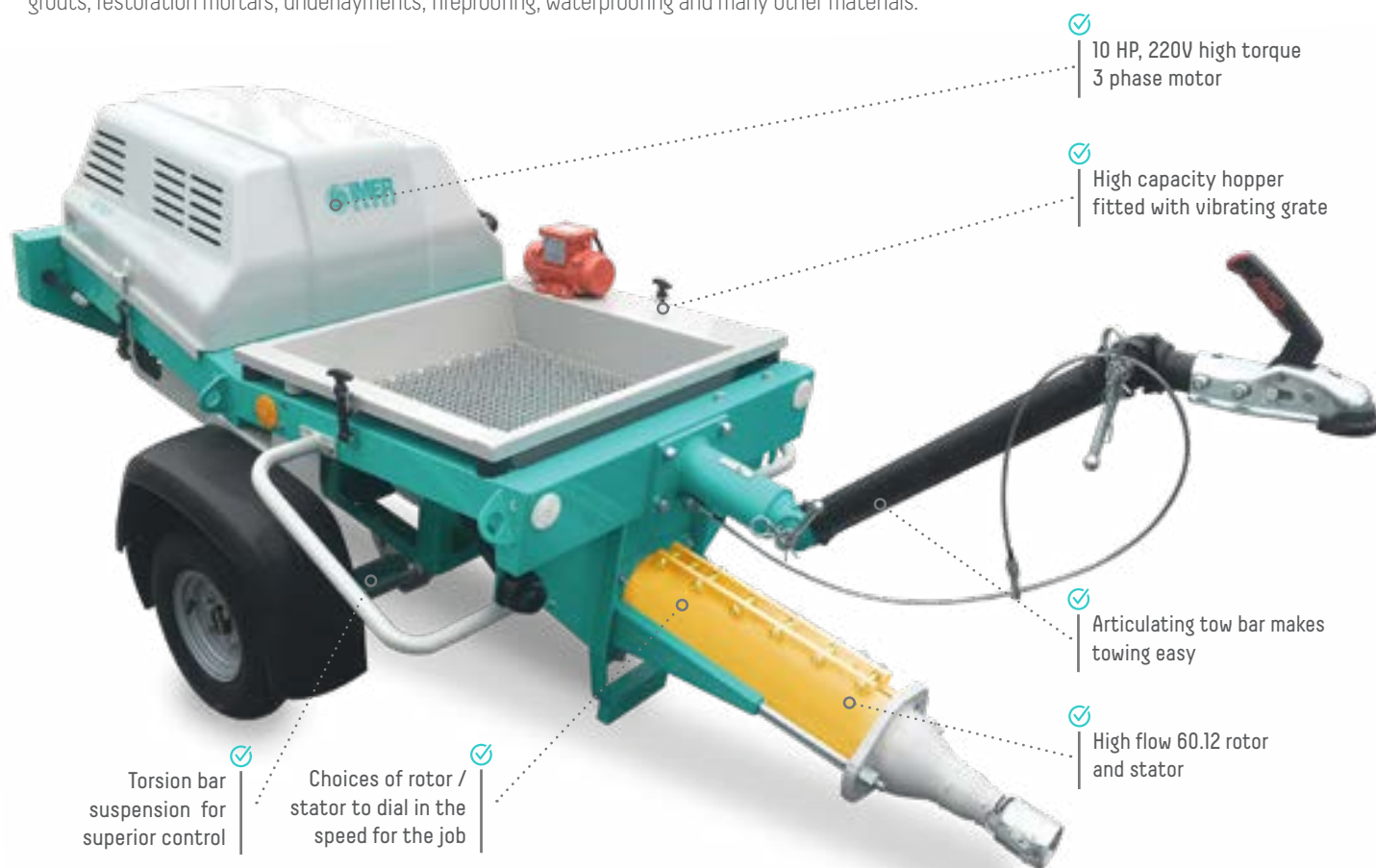
SCREW PUMP FOR SELF-LEVELING AND GROUTS



STEP-UP 120A | Model # 1106054 | 220V/60Hz, 3 Phase

QUIETLY SPRAY AND PUMP LARGE VOLUMES

Best described as a pure high flow material pump for self-leveling materials and non-shrink grouts. It's designed to give 9.5 cubic yard per hour performance efficiently and quietly in restricted job site environments. Its sole mission is to pump large quantities of material through its high flow rotor/stator pumping system. Pump or spray mortars, stuccos, grouts, restoration mortars, underlayments, fireproofing, waterproofing and many other materials.



SHOTCRETE GUN

A low cost alternative to piston pumps. Add a towable compressor to the gun and feed from a ready-mix truck



OPTIONAL NON-TOWING KIT

Add the optional non-towing wheel kit with lifting handle for easy transport around the jobsite






























Technical specifications

STEP-UP 120 A	
Supply	220v/60Hz, 3 Phase
Motor power rate	10 hp
Max grain size	3/8 in
Flow rate	9.5 cu yds / hr
Max pumping distance	200 ft
Max pumping height	100 ft
Hopper capacity	4.25 cu ft
Dimensions	91 L x 32 W x 38 H in
Weight	616 Lbs
Sound pressure level	< 79 dB (A)

(*) The pumping distance will vary depending upon the type of material being used.



		STEP-UP 120 A APPLICATIONS		
		Pumping of grouts, self-leveling underlayments	Shotcrete	Grouts with 3/8" aggregate
Product / Part #		A	B	C
	Non-towing wheel kit Part # 1107633			
	33' of Ø 35mm hose Part # 1107528			
	33' of Ø 50mm hose Part # 1107533			
	Grate for premixed material Part # 1107569			
	50mm to 35mm material hose reducer Part # 1106178			
	Shotcrete gun Part # 1106250			
	Pintle tow ring Part # 1107161			
	2L6 Rotor/stator kit Part # 1107088			
	IM25L Rotor/stator kit Part # 1107149			

 Required  Optional

STANDARD EQUIPMENT **3 PHASE**

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

CONTROL PANEL **THREE PHASE**



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