

The P 13 piston pump

The P 13 piston pump is a mixing, pumping and spraying machine in one with positive mixer, pump and compressor.

Its name promises excellent reliability, robust construction, durability and maximum performance. Its simplicity and ease of use have been crucial in lending it its reputation as the “true Putzmeister”.

The P 13 is suitable for use anywhere in the world where high performance, a long service life and low operating costs are required. You will find it put to work on the world's most challenging construction sites.

Benefits of the P 13 at a glance

- Versatile and multifunctional
- Reliable, service-friendly and virtually wear-free
- Most powerful machine for maximum surface coverage

Versatile applications

- For spraying site mixes, such as lime mortar, cement mortar, lime/cement mortar and scratch coats, almost any kind of pre-blended dry mortar, and for shotcreting up to a grain size of 8 mm
- For pumping and pressing the following materials at up to 40 bar: liquid screed with or without aggregate, bedding mortar, filling mortar, masonry mortar, cement mortar and bentonite slurry with a grain size of up to 10 mm

If the customised upper pressure limit (max. 40 bar) is reached, the pump stops. As soon as the pressure falls, the pump automatically restarts (ideal for injection applications).

Ideal for site mixes

Many applicators still (or again) prepare their mixes directly on the construction site.

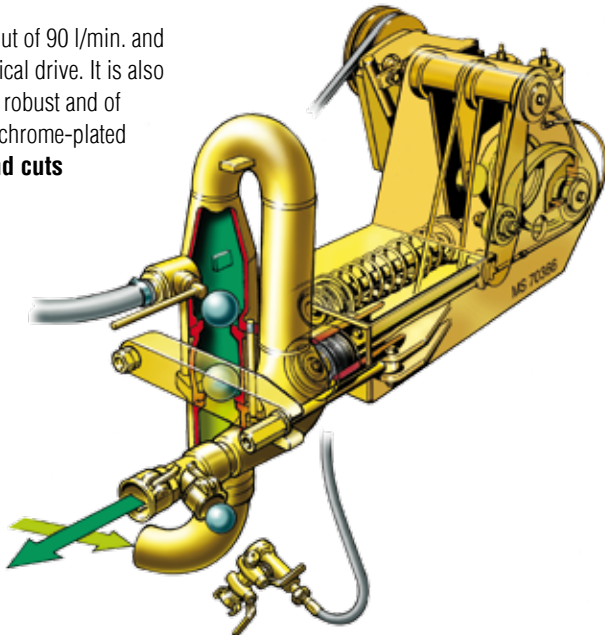
Of the many benefits that these mixes have to offer, two are decisive:

- They are low-cost, because the sand and binder are sourced from the local region
- They can be mixed precisely according to the walling (e.g. clay) and local climate conditions

Another advantage of the P 13 is that it can work efficiently with almost any type of sand up to 10 mm granulation (e.g. crushed sand, dune sand, washed river/sea sand, desert sand and much more)

The KA 230 piston pump – extra strong and hardwearing

The KA 230 offers a maximum output of 90 l/min. and has a tremendously strong mechanical drive. It is also equipped with components that are robust and of particularly high-quality, e.g. hard-chrome-plated cylinders. **This reduces wear and cuts operating costs considerably.**



the true “Putzmeister” for site mixes and wet mixed mortar

The positive mixer ensures **optimum mixture quality**. The practical, large flap on the bottom of the mixer drum opens directly into the storage hopper below.

The 170-litre mixer capacity and 200-litre mortar hopper capacity enable the P 13 to mix and pump without interruption.



Motor, compressor and gearbox are protected by a robust bonnet. With the bonnet open, **all important areas are within easy reach.**

Three different speeds giving adjustable output.

Two drive variants

The **DMR version** has a **two-cylinder diesel engine with 12.5 kW**. This air-cooled engine is particularly **reliable and very robust**.

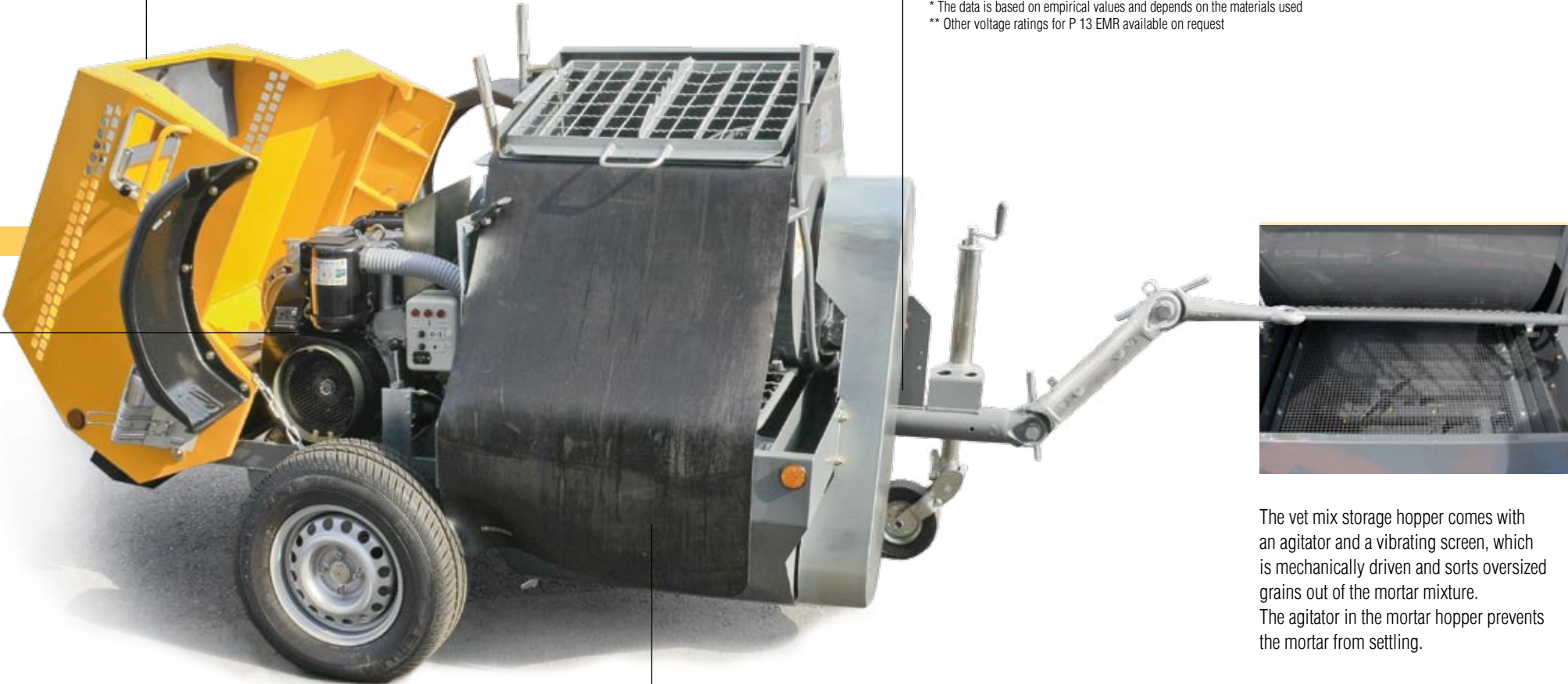


The **EMR version** is equipped with a **7.5 kW electric motor**. This variant is quiet-running, making it especially suitable for use in noise-sensitive environments. The electric motors are **maintenance-free**.



The **integrated pneumatic remote control** enables you to start and stop the pump directly from the spray gun.

The cleaning port in the hopper allows easy cleaning of the P 13 after it has completed its work.



The vet mix storage hopper comes with an agitator and a vibrating screen, which is mechanically driven and sorts oversized grains out of the mortar mixture. The agitator in the mortar hopper prevents the mortar from settling.

Technical data	P 13 ^{DMR} KA 230	P 13 ^{EMR} KA 230
Pump	Mechanical piston pump KA 230	
Theoretical delivery rate	20-80 l/min	30-90 l/min
Delivery pressure	40 bar	40 bar
Piston stroke	130 mm	130 mm
Piston diameter	100 mm	100 mm
Delivery distance*	up to 300 m horizontal, up to 100 m vertical	
Air compressor	2-cylinder compressor, 3.5 bar, 300 l/min	
Drive motor	2-cylinder diesel engine 12.5 kW at 2,800 rpm	electric motor 400 V** 7.5 kW at 2,900 rpm
Chassis	road-approved	road-approved
Fuse protection	–	20 A
Weight	990 kg	990 kg
Length	3,000 mm	3,000 mm
Width	1,640 mm	1,640 mm
Height	1,450 mm	1,450 mm
Filling height	1,300 mm	1,300 mm
Maximum particle size	10 mm	10 mm
Pressure connection	M 50	M 50
Part no. (unbraked)	111 460.070	111 460.080
Part no. (braked)	111 460.100	111 460.090

* The data is based on empirical values and depends on the materials used
** Other voltage ratings for P-13 EMR available on request

versatile, robust and solid



Spraying of plaster



Delivery of fine concrete up to 10 mm grain size



Spraying of exterior plaster



Shotcrete up to 8 mm



Injection mortar



Self-levelling floor screed



Filling of formworks



Spraying of interior plaster

P 13 piston pump

Putzmeister



Piston pumps from the P 13 series are robust, solid and powerful mortar machines for any construction site.

They are particularly versatile and process preblended dry mortars and site mixes up to 10 mm grain size. They are reliable universal machines for hard, permanent usage with an electric or diesel drive.

Standard equipment and accessories for the P 13

Standard equipment for the P 13

Standard DN 35 spray gun, vibrating grid DN 10 mm, T-piece, 100 bar pressure gauge, operating instructions, standard tools, ring hitch (truck) or ball hitch.

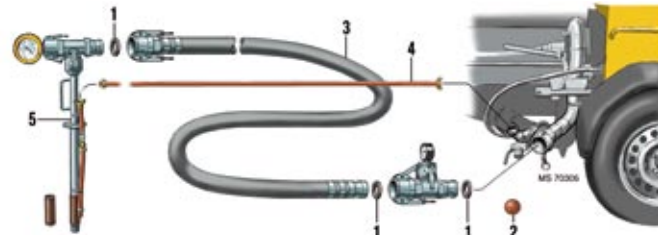
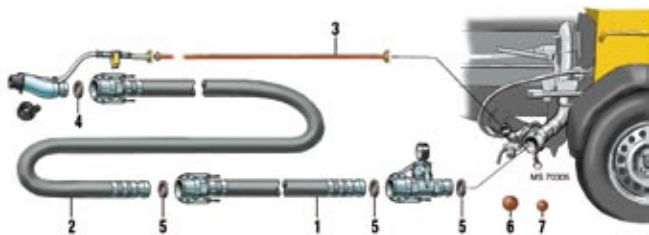
Additional equipment for the P 13

Water metering system with valve	208 611.000
Ring hitch for braked version	212 700.004
for unbraked version	212 154.003
Ball hitch braked	212 704.000
unbraked	212 153.004

Other accessories can be found in our main catalogue or on request.

Complete accessory kits (40 m length)

Accessory kit for plastering/rendering	533 036	Accessories for injection applications	533 037
2x mortar hose 13.3 m, DN 50, V50 / M 50	Fig. 1 501 914	5x seal DN 50	Fig. 1 213 266.000
1x mortar hose 13.3 m, DN 50 / 35	Fig. 2 207 616.006	5x sponge ball DN 50	Fig. 2 000 212.005
1x air hose 40 m, 1/2 "	Fig. 3 214 734.007	3x mortar hose 13.3 m, DN 50, V50 / M 50	Fig. 3 501 914
5x seal DN 35	Fig. 4 213 725.004	2x air hose 40 m, 1/2 "	Fig. 4 214 734.007
5x seal DN 50	Fig. 5 213 266.000	1x injection nozzle cpl. with T-piece, pressure gauge, remote control air valve, coupling with spout DN 50, mounted D 45 expanding collar and D 38 collar	Fig. 5 001 128.004
5x sponge ball DN 50	Fig. 6 000 212.005	1x hose holder, leather	000 206.008
5x sponge ball DN 35	065 044.001		
3x hose holder, leather	000 206.008		



Putzmeister Mörtelmaschinen GmbH

is a member of the Putzmeister Group, with its registered office in Aichtal near Stuttgart, Germany.

Since 1958, Putzmeister has been a manufacturer and world-wide provider of mortar machines, concrete pumps, tunnel machines, industrial pumps, large robotics for cleaning complex systems and facilities and of professional high pressure cleaning systems. This strong network offers users and sales partners ideal conditions in terms of competence, investment security and optimum service in all areas.



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