

PUMI® – Truck mixer concrete pumps

Profitable all-rounders



Putzmeister

PUMI® ticks all the boxes

Makes your working day so much easier – transporting, mixing, pumping, distributing

It is part of our very nature to strive for further development and progress – always in search of the perfect solution for specific tasks. Our approach brings people together and merges our objectives with yours. As early as the mid 1970s, we started developing a product that made the performance of our pumps and the indisputable advantages of our distributor booms economical for small construction sites. A machine designed to be less expensive and more manoeuvrable than a truck-mounted concrete pump, but just as flexible in action. We achieved our goals at the time as numerous customers who use our PUMI® machines on a daily basis have confirmed. Since then, our truck

mixer concrete pumps have been continuously further developed and our selection of products extended for a wide range of different requirements. However the principle remains the same: A successful combination of truck mixer, concrete pump and distributor boom from Putzmeister that can perform tasks such as mixing, transporting and pouring concrete into formwork on smaller construction sites in a very short space of time. The machinery must also ensure that tasks can be completed promptly and conveniently by a single machine operator instead of several employees. Then move swiftly on to the next job.





Versatile functions – Versatile in action

In a nutshell, one could say that the PUMI® is used in all applications where truck-mounted concrete pumps are too expensive, too large or too inflexible or truck mixer conveyor belts are ineffective, but we would not do justice to the versatility of our PUMI® machines. It is particularly economical on small construction sites with a maximum area of 20 m³. Apart from that, it is also useful on sites with limited space located in town centres, built-up residential areas or even low buildings.

The reach of the machine can be extended significantly using suitable hose lines, making it well equipped for indoor renovation work. It can also be used to supply material to truck-mounted concrete pumps, crane buckets or other truck mixer accessories. We have certainly not mentioned all of the possible applications that would further highlight the benefits of the PUMI® during your working day. You will be surprised.



A calculation that works out: Three in one

We call it economical – one man, one machine, many functions

It is nice that some things in life are there to make our working day easier, more convenient and also profitable. A combination of a truck mixer, concrete pump and distributor booms in one machine is an economical solution. The PUMI® was designed to be operated by one person in order to keep personnel costs pleasingly low. Despite our frugal nature, the machine comes with a host of benefits. One of the most important features is the ratio between the large reach and extremely small support dimensions. Another feature is the compact and robust, yet extremely lightweight design that makes the machine so mobile and manoeuvrable. There is nothing standing in the way of you fully exploiting the capacity of your machine. Components perfectly adapted to one another contribute both to the excellent performance of the pump and a low susceptibility to wear. Service and maintenance costs are kept within strict limits while the availability and service life of your machine remain virtually unaffected. The end result? In summary, the PUMI® not only has a positive effect on the application, but also a drastic impact on your balance sheet.





A wide range of possibilities

You have the choice because the PUMI® is available in various versions for a wide range of different requirements. Our product range includes boom types with established flexible kinematics and reaches of 21 to 31 m. Concrete pumps are also available in different versions. Rotor or piston pump? Both have their own particular strengths: One operates extremely quietly while the other is very powerful. You can decide to select either a low-noise, environmentally friendly pump or a pump with a maximum pressure of 75 bar and delivery rate of 88 m³/h. All models are equipped with a special mixer drum with wear protection and a matching water tank. We can fit these components to different models of chassis produced by various manufacturers. The range of suitable vehicles is extensive. In terms of user-friendliness and quality, you have no choice because we only offer products of the highest order.

The PUMI® has everything that other machines dream of



Operation – almost too convenient to be true

We admit that we fit the stereotype of typical Southern German boffins. But we do it for a good reason – to improve your daily work on the construction site. 50 years of experience in construction and close contact and dialogue with our customers continue to present us with new challenges and we have developed some incredible innovative solutions over the last few decades. We strive to improve our PUMI® machines and add new details to make your work even more efficient, easy and enjoyable.



Depressurised water tank with flushing water pump or 650 l pressurised water tank (image) available

The mixer operating box contains the key functions for controlling the mixer drum.



User-friendly details

- **Ergonomic, fully proportional radio remote control:** perform several movements simultaneously without having to change hand position, by using the two handed remote control.
- **Locking module cabinet** contains a storage rack in addition to the hydraulic boom control and electrical control box
- **Extension chute a standard feature**
- **Fixed and loosely mounted working lights included as standard** to assist in illuminating the working area around the Pumi
- **Wear plates on the mixer provide additional protection** for mixer parts subjected to heavy wear (e.g. in feed hopper)

Cleaning and maintenance

- **High-pressure water pump** cleans the machine and accessories at the end of the job
- **The suction filter is quick and easy to replace**
- **Maintenance tools stored in the vehicle** are included in the scope of supply



Clear indicators in the control cabinet reveal how contaminated the suction filters are.



Make a quick visual check to determine whether the hydraulic high-pressure filter is contaminated

Always in motion, always on the move



Mixer drum and base structure – an effective team

Our PUMI®s are extremely mobile in spite of their design. They can navigate their way to their destination along narrow streets and through dense traffic, and always finish their work promptly, in particular on construction sites with extremely limited space. They never hang around for very long. Working materials are available at all times – a particularly low-wearing mixer drum provides an adequate supply of concrete with the right consistency. Since PUMI® machines are designed and built for continuous use, the chassis and mixer drum are characterised by high quality, durability and a particularly long service life, as you would expect from Putzmeister.

As hard as nails

All PUMI®s are equipped with an established truck mixer superstructure made from low-wearing, durable industrial components. The high degree of durability and extended service life can be attributed to the materials used and the sophisticated design. The mixer drum is manufactured from special high-strength steel and a wear protection plate is welded to the mixer shaft. The material thickness has been adapted proportionally to the type of wear that occurs to avoid unnecessary machine weight. The special drum geometry is primarily responsible for the high degree of productivity because it enables

rapid loading and unloading while guaranteeing an efficient mixing effect and maximum loading capacity.

The EMC (Ergonic® Mixer Control) makes work for the machine operator extremely easy because the mixer drum can be operated by radio remote control. The machine operator can conveniently control the “Mix”, “Empty”, “Fast” and “Slow” functions from his location on site as well as meter the water and activate the cleaning function.



4 axles play a decisive role

Compliance with current standards and licensing requirements is a top priority during the development of our machines. It is important that our machines can safely negotiate their way through the maze of rules and regulations as well as the urban jungle. Every one of our models is designed to carry extremely large volumes of concrete.

This requires slightly more mental effort, know-how and a great deal of experience because the careful selection of materials and good weight distribution are essential in achieving the largest possible payload while observing the maximum permitted gross weight. The objective is to achieve the largest possible payload while observing the maximum permitted gross weight. The weight should be distributed over the 4 axles in such a way that none of them are overloaded when the vehicle is carrying the maximum payload. The clever positioning of the mixer drum, distributor boom and concrete pump on the chassis are decisive factors here. Only when all assemblies fit perfectly can you be sure of operating your truck mixer concrete pump legally, economically and with the longest possible service life.

Stability counts

PUMI®s specialise in small construction sites usually with limited dimensions and insufficient space for expansive support equipment. We have designed the PUMI® so that the rear of the machine requires no support, or support on one side only, depending on the size of the boom to ensure that the vehicle remains stable. The rear TO support does not protrude beyond the width of the vehicle. With front support width ranging from 4 to 5 m, it only requires a minimum amount of space.



Just how a boom should be

Flexibility is the order of the day – arms in the Z fold system adapt perfectly

3 or 4 arms and a reach of 21 to 31 m offer greater freedom to make decisions in line with the main applications. 3 arms are less expensive and sometimes even more compact, but the 4th arm increases the overall flexibility and net reach of the machine. For example, when reaching into buildings the hinge of the fourth boom is crucial to reaching fully inside the building interior. The optimised kinematics ensures that the width of the workspace is maximised and there is no “dead space”.

Both the 3 and 4-arm distributor booms on the PUMI®s have a Z fold design. The extremely low unfolding height and excellent slip characteristics offer a virtually unlimited range of potential applications.

Uncomplicated handling

Even if space is at a premium, the amazingly direct response characteristics of the optimised boom control and the low weight ensure accurate and convenient working progress. Minimised boom vibrations make concrete placement easier and ensure a high degree of safety, even at high delivery rates.





Delivery lines that follow every move

Putzmeister delivery lines wear evenly from the feeder container to the boom tip, which means that pipes subjected to higher loads have a more wear-resistant design than those subjected to lower loads. How do you benefit? You can usually replace the delivery line completely without affecting the useful life of individual pipes, which not only saves time and money; it also increases the availability of your PUMI®. Putzmeister delivery lines are available in different qualities and versions with single or two-layer delivery pipes depending on the requirements.



SK standard coupling system

Robust, durable and easy to maintain

PUMI® distributor booms are calculated, designed and built with the utmost care. The optimised weight and design of all components extend the service life of the machine, even under the toughest conditions. After all, your machine will only be economical when operated at full capacity over many years. This also includes versatile use and optimal availability. Only components with high resistance against wear and maintenance-free components were installed. Good accessibility makes service and repair work quicker, easier and more economical.

Powerful pumps

Rotor or piston pump – both are powerful in their respective area of expertise

An exceptionally large range of pumps are available for our PUMI®s. Whether a rotor or piston pump mounted crossways or installed lengthways, all variants have advantages that are beneficial in certain applications. We have included an overview of the special characteristics of each system to make the selection process easier.



The rotor pump – remains quiet even when the going gets tough

Method of operation

One of the greatest strengths of this pump with Ergonic® system is the computer-assisted control that ensures the machine operates extremely quietly and runs smoothly at a constant speed. Other key characteristics include the extremely low wear of the pump components and minimal concrete residue.

More precisely, the rotor hose is the only wear part on the pump and can be replaced very quickly and easily. The rotor pump can convey materials that are less suitable for a piston pump (e.g. lean mortar, screed and steel fibre, lean, SCC, liquid concrete, broken material, air-entrained concrete). The durability and simplicity of the rotor pump can be attributed to the efficient agitator. The material is mixed in the feeder container and then drawn through the feeder cone in to the rotor. This prevents the concrete from setting, even after a long waiting time.

Cleaning

Since only the rotor hose comes into direct contact with the material, both the hose and the delivery line can be cleaned thoroughly with a sponge ball in a very short time, consuming only a small amount of water. If the feeder container has a sloping base, water and concrete residues collect on the hopper flap. Nearly 100 % of the concrete in the hopper can be delivered to the construction site, i.e. no more concrete residue and detours, expensive concrete residue disposal can also be avoided.

Design

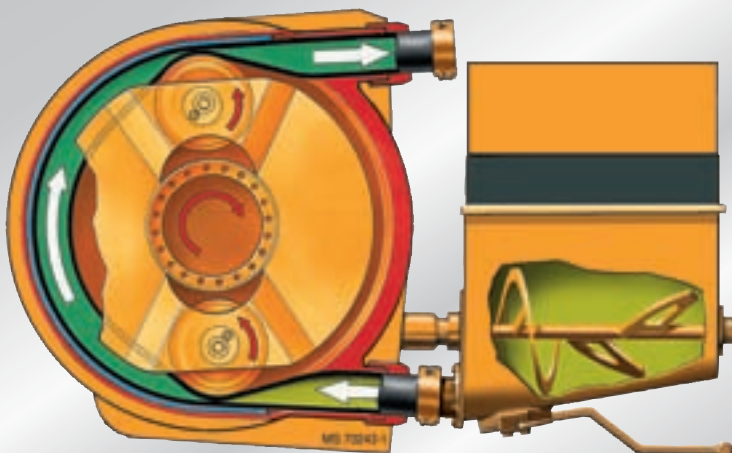
The rotor pump is the most compact concrete pump from the PUMI® range, which means that it has a small overhang and maximum approach angle when mounted to a truck – particularly advantageous on problematic sites.

There is a lateral outlet (optional) for pumping material through hose lines. Hoses with a length of 20 m or longer can be used to cover greater distances.



Benefits of the rotor pump at a glance

- Quick and easy cleaning
- Virtually no concrete residues
- Fewer wear parts compared to the piston pump
- Delivers even the most difficult materials
- Smooth pumping process
- Delivery rate adjustable from 0–58 m³/h
- Series standard Ergonic® systems



The piston pumps – run smoothly, even at maximum speed

Piston pumps from Putzmeister are extremely powerful and economical, and are designed for all common types of concrete with their varied mix designs. The delivery and drive cylinders operate in perfect harmony with one another to ensure that the machine delivers outstanding performance. Wear is a calculable factor, and details such as chrome-plated delivery cylinders and a deposition welded S transfer tube optimise the service life and therefore the availability of the machine.

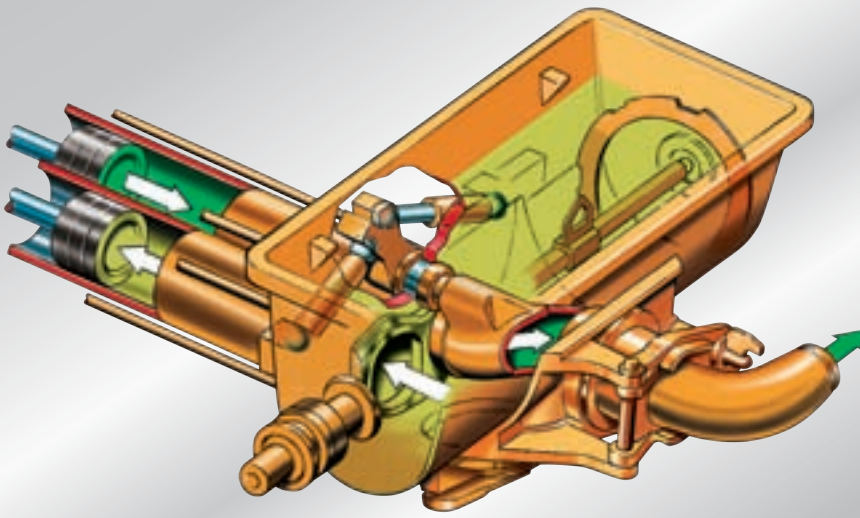
The closed circuit of the free-flow hydraulics has proven to be particularly economical, due to the drive transferring more power and saving resources as the oil reaches the cylinder with minimal loss. In addition, the EPS (Ergonic® Pump System) computer control for the pump makes sure that the pump operates quietly.

Another factor for success is the minimal amount of wear in spite of the large number of strokes, because greater volume per stroke mean fewer overall strokes and therefore less wear.



Benefits of the piston pump at a glance

- **High delivery rate** with fewer strokes
- **Easy use of long hose lines**
- **Compact design** ideal for use as a mixer because the pump can deliver material without a chute extension
- **Large drain opening on the hopper**
- **Minimal pump noise** and wear with EPS (series standard Ergonic® systems)
- **Closed hydraulic circuit with free-flow hydraulics (FFH)**
- **Delivery cylinders with 230 mm diameter** for efficient suction and filling
- **Easy access** for maintenance and servicing



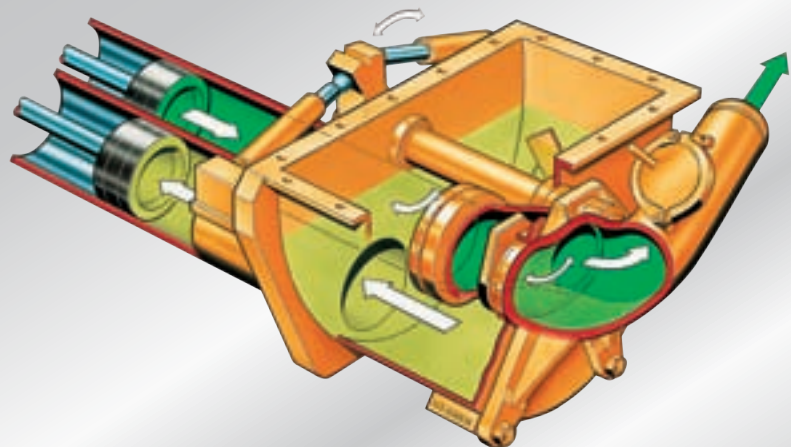
Transverse mounted CS piston pump* – easy to maintain in any situation

The CS piston pump (TMP 62 CS) installed on the PUMI® 21-3.67 CS, 24-3.67CS and 26-3.67 CS combines maximum ground clearance with minimum overhang and approach angle. The pump is ideal for difficult, uneven sites and offers the advantage of a convenient design. The hopper swings effortlessly to the side to give access to the delivery cylinders. Maintenance and servicing work is easy to perform because all components are freely accessible, including the hydraulic system. In the event of a malfunction, this is invaluable because emergency operation of the core pump hydraulic system can be activated with a few hand movements.

* Piston pump with "Compact" S transfer tube

Lengthways installed S piston pump – can handle any type of concrete

The S piston pump (TMP 1008 S) is installed on the PUMI® 28-4.89 S and 31-4.89 S models. An extremely efficient agitator ensures that virtually no deposits remain in the feeder container, even if the concrete is stiff, and the material is conveyed smoothly to the large intake area. The hinged elbow on the hopper is extremely flexible: it rotates and is therefore ideal for connecting pipes and hose lines leading in every direction. When the delivery cylinders require cleaning, the pipe can be opened with ease, making the entire intake area easily accessible. The inside of the S transfer tube is hard layer welded for extra wear resistance.



| | Rotor pump Q installed crossways | Piston pump CS transfer tube installed crossways | Piston pump S transfer tube installed lengthways |
|--|--|--|--|
| Output* (m³/h) | 58 | 56 | 88 / 67** |
| Delivery pressure* (bar) | 25 | 57 | 50 / 75** |
| Rotor hose diameter (mm) | 125 | – | – |
| Delivery cylinder diameter (mm) | – | 230 | 230 |
| Stroke (mm) | – | 700 | 1000 |
| Rotor speed (rpm) | 35 | – | – |
| Strokes (rpm) | – | 32 | 35 / 27** |

* All data theoretical maximum values. Max. delivery rates and max. concrete pressures cannot be operated at the same time.
 ** rod side / full side

Smooth operator

Ergonic® control – perfectly adapted components for maximum pump output

Ergonic® inside essentially means the optimised, fully electronic control and regulation of concrete pumps, distributor booms, mixer drums and truck engines. How do you benefit? Your machines are ready to use more quickly, achieve a higher placement speed, operate extremely economically and are resistant to wear – in a few simple hand movements. Several movements can be performed at the same time with actual two-handed operation without changing hand position using the ergonomically positioned radio remote control. All the machine data appears on the EGD (Ergonic® Graphic Display), allowing the operator to continuously monitor all the relevant machine parameters. EPS (Ergonic® Pump System), EMC (Ergonic® Mixer Control) and EOC (Ergonic® Output Control) modules are standard features on all PUMI® models.

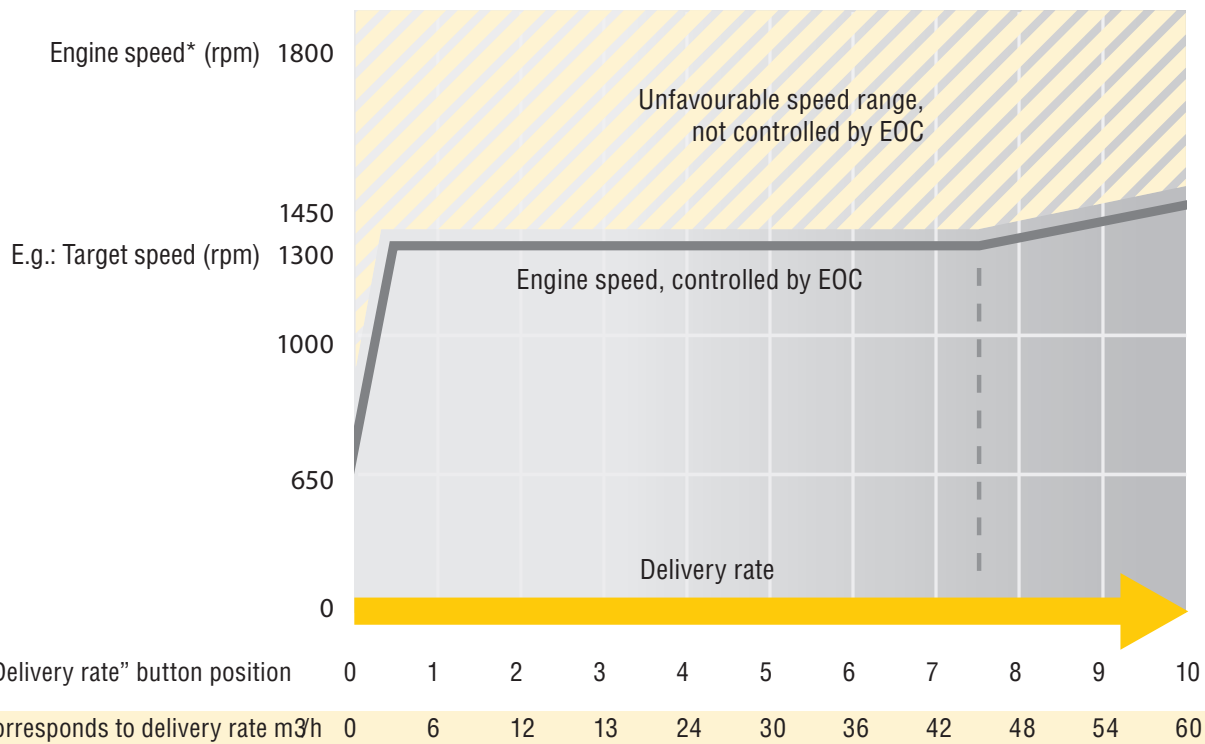


Maximum transparency and clear layout

The driver can view all relevant machine data such as the engine speed, oil temperature and concrete pressure on the EGD as well as potential faults, and adjust individual parameters. Up-to-date feedback and system information for the machine appear in real time on the display and include valuable information for specialist service and maintenance personnel. The integral fault management system ensures that work can usually be completed at the construction site, even in the event of a malfunction.

EPS (Ergonic® Pump System)

The EPS control constantly monitors and regulates operation of the concrete pump, the mixer drum and the truck engine fully electronically. A computer-assisted control is installed in place of the hydraulic control with the result that fewer hydraulic components are required and the pumping process is optimised. To be more specific, this means less wear, efficient consumption of energy, a smooth, constant stream of concrete and maximum productivity because all pump data such as delivery pressure, delivery rate, hydraulic pressure, are adapted perfectly to one another. The dual control protection also allows emergency operation.



* Speed rating depends on the concrete pump type and vehicle requirements.

The advantages of Ergonic® at a glance

- **Finely controlled pumping rate**
- **Machine vibrations reduced**
- **Fully electronic control of the concrete pump**
- **Pump data is adapted perfectly**
- **Fewer hydraulic components**
- **Dual protection for the control allows emergency operation**
- **The process for switching over the transfer tubes is adapted to the consistency of the concrete (piston pumps)**
- **Including EOC (Ergonic® Output Control) – regulates the engine to the perfect speed to minimise fuel consumption, wear and noise**
- **Fault management**
- **Simultaneous transmission of data to the EGD and radio remote control**
- **EMC (Ergonic® Mixer Control) – Mixer drum operated via the remote control**

EOC (Ergonic® Output Control)

The machine operator adjusts the delivery rate of the pump directly using a rotary knob on the radio remote control. The EOC automatically assumes control of the engine speed with very low fuel consumption and minimises wear and noise. Unfavourable areas are automatically avoided. If the boom is not moved and the pump is off, the engine decreases to idling speed which can have up to a 10 percent fuel saving.

EMC (Ergonic® Mixer Control)

With EMC, the mixer drum can be operated by radio remote control. The machine operator can conveniently control the "Mix", "Empty", "Fast" and "Slow" functions from his location on site. The water supply and cleaning function can also be controlled via the remote.

What more could you wish for?

Extension pipes and accessories – only the very best of everything

With compatible extension pipes and optional accessories in proven Putzmeister quality, you can get even more out of your PUMI® by expanding the performance spectrum of your machine according to your own specific requirements and needs. This page contains only a small selection of accessories. Ask your local Putzmeister dealer or visit www.putzmeister.de for more information about the complete range of delivery lines and accessory components.



The option of operating the mixer from the driver's cab is a standard feature, while the configuration varies depending on the pump system



Storage option: accessories can also be cleaned in the wire grid container



The unit for operating the machine and displaying the pumping data is a standard feature



Folding chute

Radio remote control with Ergonic® Graphic Display

The radio remote control allows you to conveniently control the boom as well as monitor and adjust different machine parameters. Rotary knobs and push buttons make it easier for the machine operator to control the boom and pump.

Current messages and system information are shown directly on the clearly structured display. The strength of the radio signal and charge status of the battery is indicated via bars.* Relevant machine data, such as speed of rotation, fluid temperature, concrete pressure, delivery rate, plus pressure and volume limit, can be quickly called up.

As well as EBC parameters (special version of 4-arm boom), such as the upper and lower limits of the working range and the slewing gear limit, the vibrator and end hose squeeze valve can also be adjusted or switched on and off using the ergonomic boom control with two joysticks.



* If the radio remote control cannot be used, the standard cable remote control supplied with the machine represents an adequate replacement.



Long line for greater flexibility

We recommend using the PX-Ultraflex® system from Putzmeister to extend the lines on our PUMI® machines. The system is extremely flexible, simple to handle and easy to adapt to the surrounding area. The tested quality and durability of the hose material are vitally important here, which is why we have used a particularly abrasion-resistant natural rubber for the rubber mixture. Also, a carcass made from resistant steel wire increases the density of the PX hoses from Putzmeister. You may wonder how easy they are to handle. Much easier than you think! The line is quick and easy to lay and can be completed by only one person.

Trust must be earned

There are several reasons behind a long service life and maximum availability

We are motivated to constantly improve our products, but innovations must always be proven in practical applications. However, before that our machines go through the toughest part of their life: Extensive, extremely demanding tests ensure that they can rely on their PUMI® on the construction site without a shadow of a doubt.

- **Lifetime simulations for placing booms**
- **Wear tests for delivery lines, spectacle wear plates, etc.**
- **Pulse tests and burst pressure tests for delivery and hydraulic hoses**
- **Climate, temperature and spray water tests for all machines and their components**
- **Comprehensive field tests for the entire machine**



Different loads – different qualities

Day after day, truck mixer concrete pumps process wear-intensive material with different consistencies under high pressure and occasionally very tough conditions. Wear is an inevitable part of this demanding work. Although unavoidable, it can be minimised by taking a few effective measures. The quality of installed components such as delivery lines can be tailored exactly to your requirements, depending on the stress caused by different materials, special pressure ratios or local conditions.

DURO 22: versatile and inexpensive but with sufficient service life for nearly all concrete pump applications. Extremely economical in terms of service life and purchasing costs.

Service, maintenance and training all rolled into one

Service as reliable as your Putzmeister machine

Your PUMI® has to operate reliably and economically at maximum capacity. Maximum availability is a fundamentally important aspect in staying off tough competition. One objective that we both have in common. We therefore not only focus our attention on the excellent quality of our products, but also on a closely-knit service network that offers outstanding support for maintenance, emergencies, spare parts delivery, consultation and training.

Present in more than 150 countries – we are there when you need us 24 hours a day. With our 24-hour original parts delivery service and 24-hour emergency service, you are on the safe side with Putzmeister. We also offer inexpensive full service contracts, service packages for various subtasks and manufacturer inspections according to VDMA requirements to avoid emergency situations. Availability not only depends on the machine itself, but also well planned, correct

operation, which is why we offer individual consultation and training courses.



Putzmeister service at a glance

- **Service centres** in more than 150 countries worldwide
- **24-hour emergency service** in Germany
- **Tested original parts** with warranty and a 24-hour delivery service
- **Manufacturer's inspection according to the requirements of the VDMA (German Engineering Federation)**
- **Individual training courses and seminars** in the Putzmeister academy
- **Expert advice and planning support** Putzmeister project engineers from the CPD (Concrete Project Division) provide assistance for planning large projects, e.g. for concreting logistics, processes and technology

If you have any further questions we are happy to answer them:

spareparts@pmw.de
(for questions relating to spare parts)
services@pmw.de
(for technical questions)

A PUMI® for every occasion

Limited range of models for unlimited possibilities

The range of possible applications for a truck mixer concrete pump are so varied that manufacturing just one version of PUMI® would not make sense. We would therefore like to offer you a selection of models that satisfy all your applications needs. We have developed a range of PUMI®s with different reaches, alternative concrete pumps and a number of other subtle differences. After all, you are the only person who can know what you need from a PUMI®. All your expectations should be fulfilled – from the time when you purchase and use the machine for the first time, through the many years of reliable operation that follow.



PUMI® 21-3 – Lightweight machine with impressive weight reserves

Powerful, quiet and efficient

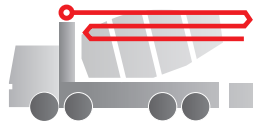
One unbeatable advantage of this model is the load capacity. The lightweight boom and low gross weight allow concrete payloads up to 5 m³. The PUMI® 21-3.67 Q has 1 m³ more load capacity over 4 axles than the PUMI® 24. The extremely quiet rotor pump will not disturb the inhabitants of residential areas and the machine completes the job in a very short time. The pump does not require a rear support or a large installation space and is very

quick to set up. It is also used as a temporary truck mixer. The variant with a 3-axle chassis and small wheelbase is even more manoeuvrable. This feature is also an optional extra on the PUMI® 21.

PUMI® 21-3

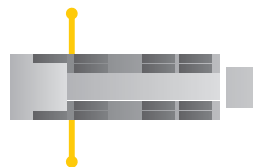
Distributor boom TMM 21-3

| | |
|----------------------|---------------------|
| Folding type | 3-arm Z fold system |
| Vertical reach | 20.6 m |
| Total reach | 16.9 m |
| Net horizontal reach | 14.5 m |
| Depth of reach | 9.9 m |
| Unfolding height | 5.6 m |
| Delivery line | DN 100 / 4.5 |



Extent of supports

| | |
|-------|-------|
| front | 4.0 m |
|-------|-------|



Truck mixer

| | |
|--------------------|---------------------|
| Nominal capacity | 7.0 m ³ |
| Water dimension | 7.3 m ³ |
| Geom. drum content | 11.5 m ³ |
| Drum speed | 1–14 U/min |
| Water tank | 650 l |



Available pump types: Q (see page 15)



PUMI® 24-3/26-3 – Universal machines designed specially for tough applications

Reach and pump selected according to requirements

The long reach and high concrete load capacity of the PUMI® 24-3.67 Q and 24-3.67 CS as well as the PUMI® 26-3.67 CS machines make a good impression in almost any application. You have the choice of selecting a quiet rotor pump that is ready for use in minutes or a powerful, compact CS piston pump. Both pumps can handle extremely coarse concrete mixes and are equipped with delivery lines for the most demanding jobs. Delivery line bends with a large radius (235 mm) limit the extent of the wear.

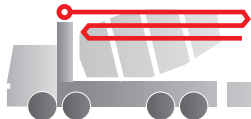
Their ground clearance however is virtually unlimited because the rotor pump and the piston pump mounted crossways on the PUMI® are both extremely compact and designed to have a small overhang. Rough terrain or sloping entrances in construction sites no longer present an obstacle.



PUMI® 24-3

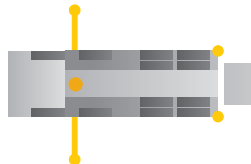
Distributor boom TMM 24-3

| | |
|----------------------|---------------------|
| Folding type | 3-arm Z fold system |
| Vertical reach | 23.8 m |
| Total reach | 20.0 m |
| Net horizontal reach | 17.6 m |
| Depth of reach | 12.4 m |
| Unfolding height | 6.9 m |
| Delivery line | DN 125 / 5.5 |



Extent of supports

| | |
|-------|-------|
| front | 4.0 m |
| rear | 2.3 m |



Truck mixer

| | |
|--------------------|---------------------|
| Nominal capacity | 7.0 m ³ |
| Water dimension | 7.3 m ³ |
| Geom. drum content | 11.5 m ³ |
| Drum speed | 1–14 U/min |
| Water tank | 650 l |



Available pump types: CS, Q, S (see page 15)



CS-Kolbenpumpe

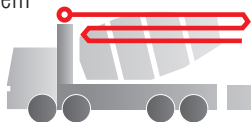


Rotorpumpe

PUMI® 26-3

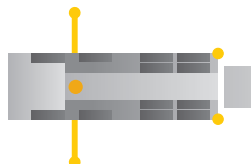
Distributor boom TMM 26-3

| | |
|----------------------|---------------------|
| Folding type | 3-arm Z fold system |
| Vertical reach | 25.6 m |
| Total reach | 21.8 m |
| Net horizontal reach | 19.4 m |
| Depth of reach | 13.6 m |
| Unfolding height | 7.6 m |
| Delivery line | DN 100 / 4.5 |



Extent of supports

| | |
|-------|-------|
| front | 4.0 m |
| rear | 2.3 m |



Truck mixer

| | |
|--------------------|---------------------|
| Nominal capacity | 7.0 m ³ |
| Water dimension | 7.3 m ³ |
| Geom. drum content | 11.5 m ³ |
| Drum speed | 1–14 U/min |
| Water tank | 650 l |



Available pump types: CS, Q, S (see page 15)



PUMI® 28-4/31-4 – Powerful machines with a long reach

Robust design and not a gram too heavy

We really have reached the limit. You will be hard pushed to find a machine with a reach longer than 31 m, a pump pressure higher than 75 bar and delivery rate more than 88 m³/h. But that is not all, because the PUMI® 28-4.89 S and PUMI® 31-4.89 S models are supplied with a powerful piston pump installed lengthways. With an extremely wear-resistant S transfer tube, established free-flow hydraulics and highly efficient agitator, there is nothing stopping you from operating the pump

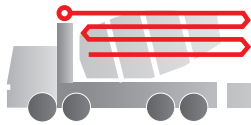
continuously, even under the most demanding conditions. Ultimately the PUMI®s transport an adequate supply of concrete with them. Mixer drums are available with a maximum capacity of 9 m³. The 4-arm boom also offers greater flexibility when placing the concrete. The flexible arms can reach vertically and horizontally into every corner of a building, whether inside or out.



PUMI® 28-4

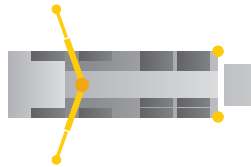
Distributor boom TMM 28-4

| | |
|----------------------|---------------------|
| Folding type | 4-arm Z fold system |
| Vertical reach | 27.8 m |
| Total reach | 24.0 m |
| Net horizontal reach | 21.8 m |
| Depth of reach | 16.9 m |
| Unfolding height | 6.5 m |
| Delivery line | DN 125 / 5.5 |



Extent of supports

| | |
|-------|---------------|
| front | approx. 5.4 m |
| rear | approx. 2.5 m |



Truck mixer HTM 904 P (Liebherr)

| | |
|--------------------|---------------------|
| Nominal capacity | 9.0 m ³ |
| Water dimension | 8.7 m ³ |
| Geom. drum content | 13.9 m ³ |
| Drum speed | 1–14 U/min |
| Water tank | 650 l |



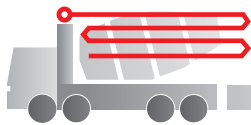
Available pump types: S (see page 15)



PUMI® 31-4

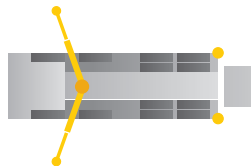
Distributor boom TMM 31-4

| | |
|----------------------|---------------------|
| Folding type | 4-arm Z fold system |
| Vertical reach | 30.6 m |
| Total reach | 26.7 m |
| Net horizontal reach | 24.5 m |
| Depth of reach | 18.9 m |
| Unfolding height | 7.4 m |
| Delivery line | DN 100 / 4.5 |



Extent of supports

| | |
|-------|---------------|
| front | approx. 5.4 m |
| rear | approx. 2.5 m |



Truck mixer

| | |
|--------------------|---------------------|
| Nominal capacity | 9.0 m ³ |
| Water dimension | 8.7 m ³ |
| Geom. drum content | 13.9 m ³ |
| Drum speed | 1–14 U/min |
| Water tank | 650 l |



Available pump types: S (see page 15)



PUMI® at a glance

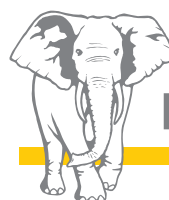
- Distributor booms are extremely lightweight, robust and durable
- Mixer drums made from special high-strength steel are particularly wear-resistant and have a long service life
- The space-saving hydraulic fluid reservoir is integrated in the boom pedestal
- Particularly wear-resistant delivery lines adapted to the load
- Balanced axle load distribution and compact design
- Rear TO support does not protrude beyond the vehicle width
- All core components have a rugged structure designed for continuous operation
- Lower gross weight through the optimisation of components using state-of-the-art calculation methods
- Choice of selecting a rotor pump or piston pump, mounted cross-ways or installed lengthways
- Competent service ensures maximum availability of the machines



Further prospectuses: Ergonic® BP 3763
Delivery line system PM 2300

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Putzmeister

