



Truck-mounted concrete pump M36

User-friendly universal genius

Clever and smart – user-friendliness for
beginners and experts



Working economically can be so easy – the M36

The M36 is the robust classic in our truck-mounted concrete pump family. Its arms make it conveniently compact, economic to service and maintain and incredibly versatile, for example when concreting ceilings, floors inside low buildings, foundations or walls. The boom's Z fold system and incredibly direct response characteristics mean that it reaches the right working

position quickly and easily. The intuitive operation of our Ergonic® 3 control system and its expanded functions make it the ideal assistant in any application. Additionally available options include flexible support in the smallest of spaces, stable footing when pumping and the lighting concept, among others – all the things that make a difference for you.

The Putzmeister promise

The name Putzmeister stands for machines that enable you to work with extreme productivity and go beyond purely being on a job. To this end, we provide extraordinarily innovative technologies alongside top quality and excellent service. We are fully dedicated to supporting you, both around the world and around the clock. And this is because every Putzmeister employee recognises that your machine has important jobs to do.

Your Putzmeister Team

The placing boom – simple to move and incredibly flexible

Maximum capacity utilisation,
minimum maintenance costs

Robust components with high wear resistance, many maintenance-free and standard components. Easy, fast accessibility as well as screwed-on parts such as the pipe bracket enable you to save huge amounts of time and money.

Fewer movements needed, increased service life

Thanks to combination lubrication, the machine operator does not need to climb on the machine – the M36 lubricates the first placing boom cylinder and the four-point bearing and hub independently. This is not just faster and more cost-effective. It also increases the service life of components under significant stress.

ROBUST AND MAINTENANCE-FREE COMPONENTS
+ **COMBINED AUTO LUBE SYSTEM**
+ **HIGH WEAR RESISTANCE**
PUTZMEISTER
= PERFORMANCE

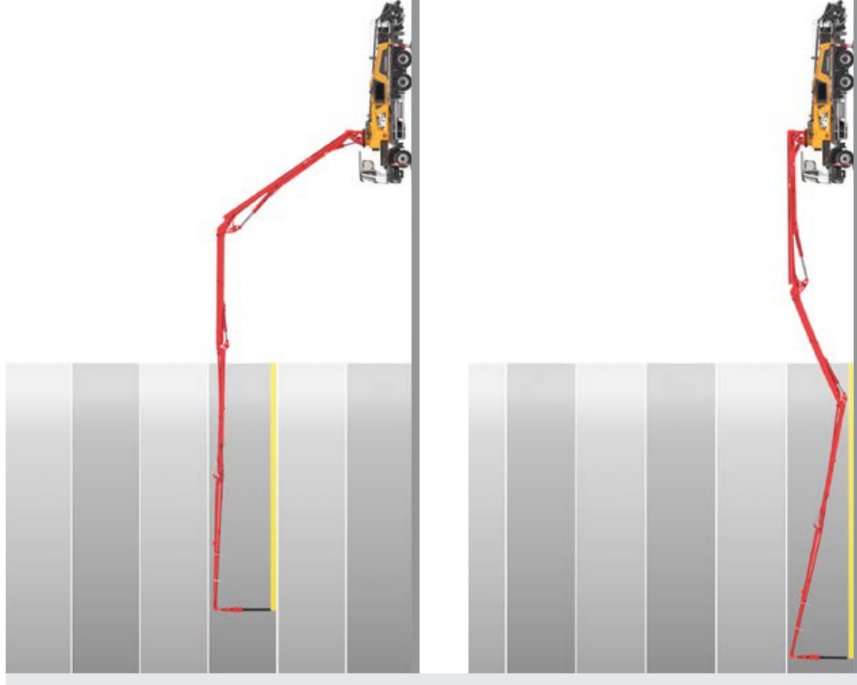


Four arms, 36 m and a wealth
of possibilities

Approx. 36 m vertical reach and four robust, straight arms with a Z fold system. This results in a very low unfolding height and therefore optimum slip characteristics, which are particularly advantageous when working indoors, and especially when working in low buildings. The optimised kinematics on all Putzmeister booms also ensure that the horizontal and total working area is maximised and there is no "dead space".

Wonderfully easy to operate

Even in tight spaces, the boom control ensures that you can work optimally. Minimised boom vibrations make placing easier; this saves valuable working time and guarantees a high level of safety.



Precise, easy and safe to operate

The boom control's fast response characteristics, the sophisticated routing of the delivery lines and the robust steel structure ensure precise, smooth movements. This makes its start-up behaviour particularly gentle thanks to a slewing gear drive which has been improved even further.

Even more comfort with IBC (Intelligent Boom Control)

The fully electronic control system with integrated vibration damping enables the end hose to be guided continuously. The boom can be moved even more smoothly using the joystick in one-handed operation. Limiting the working area or locking arm positions increases occupational safety.

The new boom at a glance

- Approx. 36 m vertical reach with 4 arms in Z fold system
- No dead space, more flexibility
- Low unfolding height, optimum slip characteristics
- Compact structure
- Fast response characteristics of

- boom control
 - Safety thanks to reduced boom vibrations
 - IBC for vibration damping, one-handed control and limitation of workspace (optional)
 - Electric combination lubrication for first placing boom cylinder and the

- four-point bearing
 - Standard 90° and 45° elbows, with lengthened collars for a longer service life

The pedestal – stable and adaptable for almost any setup situation



Support in an ideal line

With TRDI support, developed by Putzmeister, you can save time and space without compromising on safety. Telescoping support legs can be placed between obstacles in the smallest of spaces. Optionally, four defined positions offer forward and almost fully flexible support options for the long swinging support legs and a wide range of possible applications under restrictive setup conditions, particularly thanks to the trapezoidal shape.

Narrower support with OSS and ESC

With OSS* (One Side Support) narrow support and ESC (Ergonic® Setup Control)**, the small support width is reduced even further. An important side effect: Full use is made of the net reach for the fully supported side.

* OSS – Assistance device for One Side Support, optional.

** ESC – Safety system for One Side Support (according to EN 1201:2012).

Profit from every application

The M36 fulfils the strictest approval regulations when it comes to its weight, too. It offers plenty of additional load reserve and is therefore ideal for working on job sites which require more accessories. There is sufficient storage space available thanks to extended swinging support legs and the wide flatbed with an anti-slip surface. Additional design and construction details make the base structure particularly robust: The clamping length of the front telescopic support legs and the boom pedestal, which is compact and made of a single piece of material.

The base structure at a glance

- Low unladen weight offers high weight reserves
- More robust and more stable base structure due to a number of innovative details
- Flexible, space-saving TRDI support system
- Significantly reduced support widths with the use of OSS* and ESC** for restrictive setup conditions
- Saves money thanks to maintenance-free components, comprehensive screw concept, standard components and I-frame concept for improved distortion characteristics

* OSS – Assistance device for One Side Support, optional.

** ESC – Safety system for One Side Support, optional.

(according to EN 12001:2012).

Cost-effectiveness with a long service life

TRDI's particularly impressive when it comes to force distribution. If the machine is correctly supported on its legs, the forces acting on it are completely distributed over the support legs, protecting the vehicle. The I-frame and connection concept also ensures a longer service life than that of rigid frames.



TRDI 69 (serie)

- 2 support positions front
- Flexible support positions rear
- Support configurations: OSS, LS, LF, LFs, Y, Ys and standard support



TRDI 80 with support monitoring extended* (optional)

- 4 support positions front
- Flexible support positions rear
- Numerous additional support configurations: OSS, LS, LF, LFs, Y, Ys and standard support incl. intermediate positions

* STWA / 002957

The concrete pump – clever interaction of all components

Strong unit for every type of concrete

Concrete pumps from Putzmeister are designed for all common types of concrete, with their eccentricated geometry. On the one hand, this is thanks to the closed free flow hydraulic circuit. The drive transfers more power and saves resources because the oil reaches the cylinder with minimal losses.

In addition, the Ergonic® blue the new Putzmeister concept for improved sustainability, integrates a new hydraulic fluid management system into the control system.

This new technology not only enables the necessary quantity of hydraulic fluid to be reduced by up to 50% – it also allows the use of environmentally friendly organic fluid. A further success factor is the S transfer tube point, which has a long service life even with wear-intensive materials because the S transfer tube was reinforced with build-up welding



You choose the power

Like all Putzmeister truck-mounted concrete pumps, the M36 is available with different pumps with a delivery pressure of 85 bar. The 16H with two chromium-plated delivery cylinders (dia. 230 mm), which is cheaper in comparison, and the smoother 16HLS resp. 17LS (dia. 250 mm). They both offer a delivery rate of 160 m³/h resp. 170 m³/h, but the LS version has a lower number of strokes and is thus subjected to less wear.

The enhanced 17LS also offers numerous benefits and improvements:

- **Fuel saving of up to 25 % with EOC 2.0** (field tested with multiple pumps for international applications)
- **More efficient pumping:** Oil leaks prevented by improved sealing system
- **Better pump start-up behaviour**
- **Longer service life** thanks to robust S-tube bearing

Optimal coordination thanks to EPS

The computer-aided control system of the pump ensures a better performance via EPS (Ergonic® Pump System). EPS controls the pumping process using computers, so that it is smoother overall and the boom vibrations are reduced. Besides EPS, EOC (Ergonic® Output Control) is an effective module to work efficiently.

Because EOC controls the engine speed with lower fuel consumption, wear and noise. Unfavourable areas are automatically avoided. The same applies to the SN control system and Push Over. They ensure that the concrete column is pushed very gently and wear-intensive pressure peaks are avoided.

The pump at a glance

- **Pump geometry is optimally** coordinated to all common types of concrete
- **Service-friendly control system** with free flow hydraulics and thus consistently high oil quality
- **Particularly wear-resistant** design of S transfer tube switch, which guarantees long service life
- **Optimised hopper** (screwed-in grille, improved shape and optimised S transfer tube storage)

- **Agitator safety shutdown via RFID** (Radio Frequency Identification), a detection system using electromagnetic waves, including start-up protection
- **Smooth, optimised pumping** with EPS and EOC, protects the pump and the vehicle
- **Optimised switchover procedure** with SN control system and Push Over avoids wear-intensive pressure peaks
- **Convenient and simple operation with Ergonic® 2.0**, the latest concept for control hardware and software from Putzmeister
- **Minimum operating costs** thanks to maintenance-free components, avoidance of special components and good accessibility
- **Easy replacement of components** due to screw concept, e.g. support cylinder
- **Automatic agitator direction of rotation corresponds to pumping direction**



Pumps

Type	Output m³/h	Pressure bar	Stroke mm	Cylinder Ø mm	Strokes/min.
16 H	160*	85	2100	230	31
16 HLS	160*	85	2100	250	26
17 LS	170*	85	2100	250	21

All data represent theoretical maximum values.

* Red/patched: Max. output and max. delivery pressures cannot be reached at the same time.

Ergonic® 3 – precise, intuitive and reliable!

Dedication in every respect

Ergonic® inside means that the machines are quickly ready for use and they work with high power, fuel efficiency and low wear. And most importantly for machine operators **Work becomes easy!**



ergonic®
inside 3

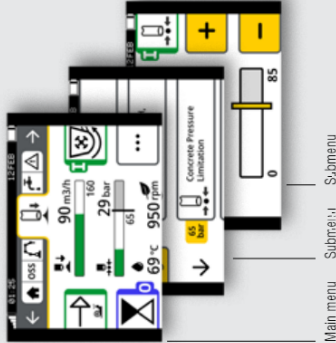
The new Ergonic® 3 – clear, fast and safe

- Continuous operating concept for all Putzmeister products with the same functions and displays – whether on the radio remote control or the Ergonic Graphic Display (EGD).
- Intuitive work and quick reactions thanks to a clear menu structure and intuitively arranged functions.
- Full overview of machine status on the radio remote control and EGD (incl. valves, sensors, LEDs on fuses).
- Detailed fault management: Faults are easy to detect and rectify – even without a Putzmeister technician.
- Multi-level emergency operation keeps the machine running even in the toughest conditions and in virtually every case.



Keeping an overview – in every situation

- The "static" menu bar guides users through the menu – with no chance of "getting lost".
- Neatly and intuitively arranged functions.
- Simple menu structure with a maximum of two submenu levels.
- Main menu with all standard functions and additional details in submenus



Consistent concept on all "switching centres"

- The menu structure is nearly identical on the remote control and the graphic display.
- Hardware and software are perfectly matched at all operating positions.
- The same intuitive operation on all Putzmeister products – without requiring a lot of training.



The additional screen on the control cabinet allows the same concept to offer a variety of information, settings and options.



Intelligent boom control – an unrivalled dimension of convenience and precision

The performance level of a truck-mounted concrete pump is evident in how precisely, quickly and safely the boom can be moved and positioned. As a pioneer in intelligent boom control systems, Putzmeister has already demonstrated how user-friendly a concrete pump can be with the EBC.

With **iBC (Intelligent Boom Control)**, this system is now improved again – setting new standards for convenience and precision.

Extremely precise boom movements – iBC (Intelligent Boom Control)

- Unrivalled convenience**
The patented iBC control system makes it easy for machine operators to control the boom with the joystick using just one hand. As a result, the end hose can be moved forwards, backwards or diagonally at the preselected height with a great deal of precision.
- Unrivalled precision**
The latest F-utzmeister development is a big hit with machine operators: iBC made it possible to improve the boom's response characteristics and precision by another 80 %. The advanced boom damping delivers a stable, steady arm assembly at high delivery rates.
- Unrivalled ease of folding**
Folding and unfolding the arm assembly has never been this easy. With iBC, the boom movements are optimised for the exact machine model. Standard movements are carried out quickly and easily.

Our most supportive system ever – iSC (Intelligent Setup Control)

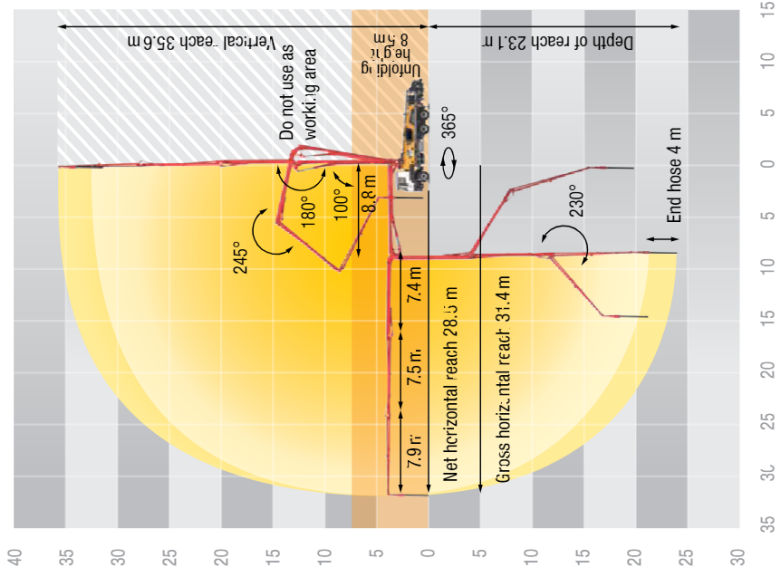
With the iSC (Intelligent Setup Control), Putzmeister is raising the stability of concrete pumps to a whole new level. The successor to the proven ESC system offers a significant improvement in terms of machine reach and flexibility.



On the safe side – now more than ever

- Maximum versatility** Optimum support options to suit the space available on-site. Even in the most difficult of conditions.
- Maximum reach** Perfect interaction – the reliable reach prediction allows machine operators to utilise the robust steel structure of Putzmeister machines to their fullest potential.
- Maximum safety** 100 % safety, no small print. Guaranteed stability in any situation. The patented drop warning and the possibility of providing additional support help machine operators in difficult conditions.

Technical data M36



Placing boom

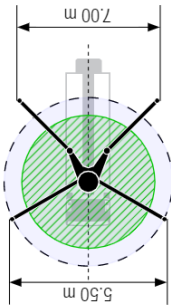
Folding type	4-arm Z fold system
Vertical reach	35.6 m
Horizontal reach	31.4 m, gross
Depth of reach	23.1 m
Unfolding height	8.5 m
End hose length	4 m
Delivery lines	DN 125, max. 85 bar
Slewing circle	365°

General

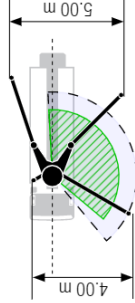
Support width	front	/ rear
Standard	5.5 m	/ 7.0 m
OSS	4.0 m	/ 5.5 m
ISC	2.6 – 5.5 m	/ 2.6 m – 7.0 m
Overall length	10.8 m	
Height	under 4.0 m	

Support width based on center of support leg

Standard – Full support

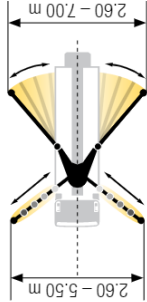


OSS* – One-side support



* not EEA marking

ISC** – Full-flexible support



** EEA, CE marking

Equipment lines

To make it easier to select from the numerous configuration options, three comprehensive equipment lines, as well as a few optional packages, are available.

Standard line

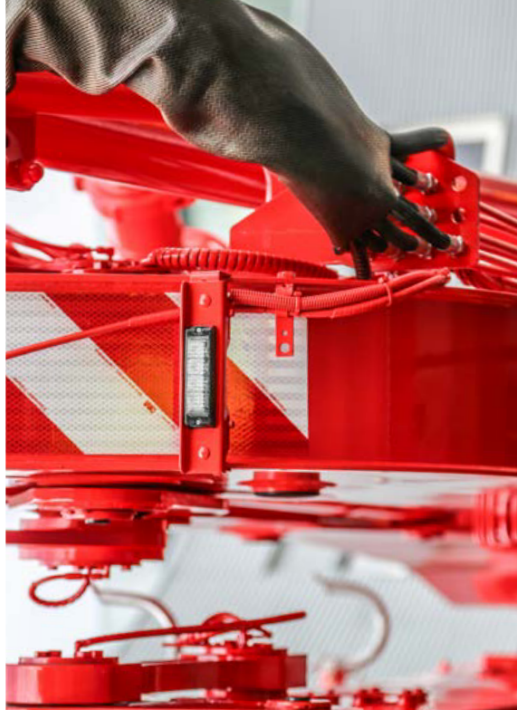
This equipment includes components which Putzmeister considers to be an economic standard for working efficiently and safely. Combined with the "German/EU road use approval" option package, the machine is ready for use throughout Europe.

High line

The high line provides easier operation, reduced maintenance costs and increased lighting comfort.

Eclusive line

This line represents the highest equipment level offered by Putzmeister. It includes selected premium components.



Build on Putzmeister – in service, parts, training

Everything that sets service apart

Swift assistance, meaningful advice and a reliable supply of genuine Putzmeister accessories and parts – in over 120 countries worldwide. This is what we at Putzmeister understand as first-class service.

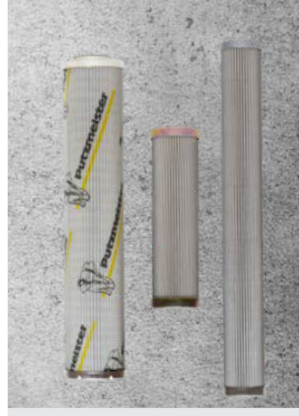
Ideally placed to support you

We train our service technicians continuously, provide a close-knit information network and the latest equipment and consistently strive to meet our customers' needs.

Thanks to state-of-the-art technology, our employees have all the relevant technical information about your machine at their fingertips, should the need arise. Allowing us to provide you with the best possible support for emergencies, repairs or preventive maintenance.

Genuine parts for maximum availability

It goes without saying that we use only genuine Putzmeister parts in our workshops. This is the only way to guarantee consistent quality, checked for interoperability. And you can be absolutely sure that your machine meets the tough requirements with maximum performance and availability.



Excellent in quality and customer proximity

In case of need, you have two options: Either the service team visits you or you take your machine to one of our service workshops. The latest tools, software analysis solutions and genuine parts ensure that your machine is operable again immediately.

All Putzmeister workshops and the workshops of our international Putzmeister partners meet our high-quality standard. Especially when it comes to manufacturer's inspections and acceptance procedures in accordance with specifications.



Induction at handover – everything correct from the outset
So you and your machinist can adapt perfectly to all special features and innovations.

Customer training – benefit from expert knowledge
Practice-oriented learning offers many benefits. Your staff master the machine with all its special features, use the machine to optimum effect, reduce operating costs and avoid operating errors.

Our services for cost-effective work

The Putzmeister service support points offer you these services – all provided by our experienced service staff:

100 hours of customer service – avoid potential sources of error
With this customer service you receive a status report on your concrete pump as per the Putzmeister service plan.

Mandatory machine inspection – calculable costs instead of incalculable failures

Visual inspection and functional check of components for 100 % safety.
The hydraulic system with cylinders, electrical system and core pump are also inspected.

500 hours of customer service – protect your investment, retain your value
Our technical customer service team is the number one choice for checking the safety and wear of your machine. You receive a status report for this, too.

Our range of training courses and seminars:

For concrete pump operators

- Training and development seminars on concrete pumps
- Training and development seminars on PUMI with piston and rotor pumps
- Regional/company seminars (in your region or on your premises)

and mechanics

- Practical days in Aichtal
- Training: Handover and induction, on-the-job training

For workshop managers and foremen

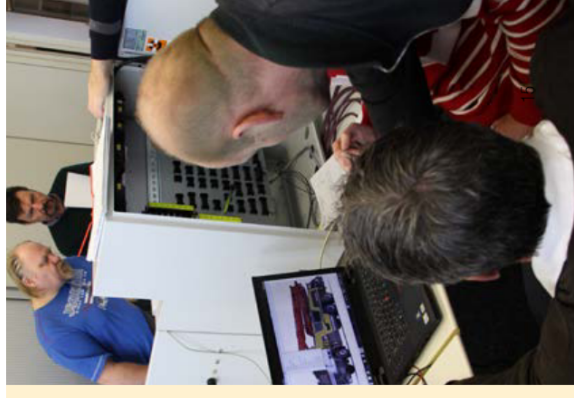
- Overview of current developments in Putzmeister concrete pumps
- Qualification at the customer workshops for requisite maintenance work

For concrete pump mechanics

- Training and development seminars on concrete pump

For concrete pump machinists

Further information can be found at: www.pm-akademie.de



The M36 at a glance

Your benefits at a glance

- **Smoother, more flexible four-arm placing boom** with Z fold system, lower unfolding height and optimum slip characteristics
- **Versatile use on job sites**, whether operating in low buildings, concreting ceilings, working on base plates, etc.
- **Work efficiently** thanks to logical, sophisticated ergonomics and intuitive, simple operation of the Ergonic® 3 control system
- All information on the radio remote control display. **Complete control and all the information** at the workplace at all times
- **High payload** thanks to weight reserves
- **Low support widths** thanks to flexible support and space-saving structures (optional)
- **Robust and stable** due to reinforced base structure, compact boom pedestal, boom line installation, etc.
- **Maintenance- and service-friendly** as a result of its optimum accessibility and consistent screw concept
- **Lower service costs** thanks to maintenance-free components, fewer different types of components (e.g. only three standard elbow types) and smaller quantities of functional fluids



Note: The diagrams in the brochure do not necessarily correspond to the full scope or standard equipment for the machines.
Further brochures: L 63013-3 01 5013



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