Putting You in Control of Success

Putzmeister’s Ergonic® technology goes beyond the pump and without other functions. Ergonic is a multi-channel control system with a unique modular control box featuring a three-inch square LCD screen which allows the operator to both view functions from various modules. These include the ErgonicBoom (EBC) with OneTouch™ bounce, enhanced safety and easy troubleshooting, Output Control (EOC), which automatically moves all boom sections and allows the operator to view up to 16 computer fault codes in the field and Ergonic with .16H pump cell.

Ergonic® Graphic Display

Boom Specifications • Z-Fold Design
- 5-section Z-Fold boom design
- 42’ 1” (12.83m) minimum stroke
- 365˚ slewing in tandem while keeping the end hose on the ground
- Standard delivery line system rated at max line pressure of 1233 psi (85 bar)
- Maximum theoretical values listed.
- Water tank – outrigger
- Maximum size aggregate
- Differential cylinder diameter
- Maximum size aggregate
- Hydraulic system pressure
- Hard-chromed material cylinders
- Pressure — rod side
- Output — rod side
- Strokes per minute
- Material cylinder diameter
- Pressure — piston side
- Volume control
- Water tank – outrigger
- Maximum size aggregate
- Oil — Free Flow
- Standard delivery line system

Weights are approximate and include pump, boom, truck, full hydraulic oil, and oil coolers. Weights do not include outrigger spread.

- Front axle weight 54,880 lbs (24,893kg)
- Wheelbase 280” (7,112mm)
- Width 8’ 2” (2.50m)
- Height 12’ 9” (3.89m)
- Reach depth
- Reach from front of truck*
- Horizontal reach
- Vertical reach

CB 3695-1 US

For available options, please refer to price list.

Range Diagram

63Z-Meter

Truck-Mounted Concrete Boom Pump

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www.putzmeister.com
Facsimile (262) 884-6338
(800) 884-7210
1733 90th Street
Kenosha, Wisconsin 53142, USA

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Putzmeister Free Flow Hydraulics in a Closed Loop System

The pumps at the heart of Putzmeister’s free flow pumping system are bi-directional, variable displacement piston pumps. Depending on stroke, oil flows in a closed loop from either the radio or cable remote in the event of a problem. The Frequency Hopping system on the standard HBC proportional control system increases maneuverability and driver safety while reducing emissions and fuel costs. Econo-Gear makes a significant saving of fuel, reduced emissions, and reduced fuel consumption. Econo-Gear makes a significant saving of fuel, reduced emissions, and reduced fuel consumption.

The BOOM PUMP

The BOOM PUMP is the key component of the concrete pump. It converts hydraulic energy into a linear or rotating motion, which in turn is used to drive the concrete delivery system. The BOOM PUMP is the key component of the concrete pump. It converts hydraulic energy into a linear or rotating motion, which in turn is used to drive the concrete delivery system. The BOOM PUMP is the key component of the concrete pump. It converts hydraulic energy into a linear or rotating motion, which in turn is used to drive the concrete delivery system. The BOOM PUMP is the key component of the concrete pump. It converts hydraulic energy into a linear or rotating motion, which in turn is used to drive the concrete delivery system. The BOOM PUMP is the key component of the concrete pump. It converts hydraulic energy into a linear or rotating motion, which in turn is used to drive the concrete delivery system.

Putzmeister Free Flow Hydraulics

The close loop also requires less oil to run the system, as a larger reservoir is not necessary to cool all of the oil. Speed and timing are also critical to superior performance. Gearbox and motor responses as a hydraulic signal, the electrical system in a Putzmeister pump eliminates the time to change direction at stroke end. An electrical signal precisely synchronizes the drive cylinders with the accumulator cells that control the S-Valve in the hopper. Preferred operating temperature is in the 60-90°F range, and to maintain a consistent operating temperature is in the 60-90°F range, and to maintain a consistent operating temperature is in the 60-90°F range, and to maintain a consistent operating temperature is in the 60-90°F range.

Key Advantages of Putzmeister’s Free Flow Hydraulics:

- Reduced need for oil storage, simplified operation and reduced maintenance
- Improved performance and reduced emissions
- Reduced overall system noise
- Improved control and reduced operator error
- Reduced wear and tear on pumps and other hydraulic components
- Improved system efficiency and reduced fuel consumption
- Reduced maintenance and repair costs
- Improved system reliability and uptime

Putzmeister’s Advanced Free Flow System

The Advanced Free Flow System offers tremendous benefits to both the operator and the customer. The system reduces wear and tear on pumps and other hydraulic components, improves system efficiency and reduces fuel consumption, reduces maintenance and repair costs, improves system reliability and uptime. The Advanced Free Flow System offers tremendous benefits to both the operator and the customer. The system reduces wear and tear on pumps and other hydraulic components, improves system efficiency and reduces fuel consumption, reduces maintenance and repair costs, improves system reliability and uptime.

Driven for Performance

Standard on the T-series and S-series concrete pumps, Putzmeister’s advanced Free Flow System is designed to improve system efficiency and reduce maintenance and wear.

632-Meter

- Truck-Mounted Concrete Boom Pump Standard Features
- Standard on the T-series and S-series concrete pumps
- Putzmeister’s unique Load Sensor (LSSA) reduces fuel consumption, improves system efficiency, and reduces maintenance and wear.
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Putzmeister's Free Flow Hydraulics in a Closed Loop System

The pump is at the heart of Putzmeister's Free Flow system. Instead of closed loops, the system uses a network of valves for direct and indirect flow. This allows for seamless operation even with smaller hydraulic systems. The closed loop also requires less oil for operation, as a larger reservoir is not necessary to cool all of the oil.

Convenience and Control

Putzmeister's unique Low Speed Steer Assist (LSSA) rear steering system increases maneuverability and driver safety while reducing stress on components. Putzmeister's unique Electric Quick Setup (EQS) system reduces setup time on restrictive job sites. Putzmeister's unique Endurance Gearbox (EG) system increases service life and makes our pumps extremely powerful.

63Z-Meter

Truck-Mounted Concrete Pump Standard Features

- 63Z-Meter (63 ZCLP) vertical reach
- Standard 3-Section 2-fold boom
- Full adjustable front (or rear) boom
- Improved low profile design

Closed Loop Oil

- Full hydraulics neutralise
- Smooth and precise concrete placing at higher distances
- Reduced need for precision control
- Improved seal wear life
- Improved heat rejection
- Improved system efficiency

Cut-Out

- 2 Pass and easy clean out
- 63 Z-Meter (63 ZCLP) fully adjustable concrete pump

Econo-Gear

- Switch gears and save with Putzmeister’s patented Econo-Gear™
- Lower rpm, achieving less stress on wear parts, lower noise levels
- Fully proportional HBC radio remote

Driven for Performance

Standard on the world-famous M-Class 63Z-Meter model, Putzmeister’s Unique Load Speed Rocker Arm (LSRA) lowers stress on concrete pumps, legal compliance, fuel efficiency, and driver safety while reducing maintenance and wear.

Putzmeister Free Flow Hydraulics in a Closed Loop System

The closed loop also requires less oil for less oil to run the system, as a larger reservoir is not necessary to cool all of the oil. Speed and timing are also critical to superior performance. Gainer and more responsive than a hydraulic signal, the electrical command in a Putzmeister pump eliminates the time it takes to change direction at stroke end. An electrical signal precisely synchronizes this drive cylinder with the accumulator system that controls the S-Valve. Changing direction at stroke end is also standard. Unlike other remote control systems, a fully proportional HBC radio remote ensures minimal interference with other frequency bands.

Advantage

- Endurance Gearbox (EG) increases service life and makes our pumps extremely powerful.
- Improved seal wear life
- Improved heat rejection
- Improved system efficiency

Conclusion

The PRO-VANTAGE® Warranty Plan extends the coverage on all Putzmeister BSF boom pumps for a total of 36 months or 6,600 hours at no extra charge.

Key Advantages of Putzmeister’s Free Flow Hydraulics:

- Changing command or position on the radio or cable remote in the event of a problem.
- The closed loop also requires less oil for less oil to run the system, as a larger reservoir is not necessary to cool all of the oil.
- Fully adjustable volume control for precise control of the pump.
- Completely adjustable system pressure and boom speed.
- Thick-walled valve construction (230 to 180mm) reduction.
- Gradual 9” to 7” S-Valve.
- Multi-piece piston cup design.
- Long-lasting wear over years of use.
- Fully proportional HBC radio remote.
- Fully proportional cable remote with fully proportional HBC radio remote.
- Smooth and precise concrete placing at higher distances.
- Reduced need for precision control.
- Improved seal wear life.
- Improved heat rejection.
- Improved system efficiency.

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Putzmeister Free Flow Hydraulics in a Closed Loop System

The pumps at the heart of Putzmeister’s free flow pumping system use direct drive, variable displacement pumps. Depending on stroke, oil flows in a closed loop from either the radio or cable remote in the event of a problem. Offering redundancies to ensure complete proportional operation with the radio and cable remote systems are completely independent. The radio remote is also standard. Unlike other remote control systems, the Frequency Hopping system on the standard HBC proportional transmitters. Radiomatic Power Boost further enhances reception quality with a 50-100% increase in signal power. A fully proportional HBC radio remote is available with all Putzmeister equipment.

Key Advantages of Putzmeister’s Free Flow Hydraulics:

- **Low cost pump outlet**, due to the efficient use of all available energy.
- **Rapid charge** of the stroker results in higher output, a smoother flow of concrete and less boom bounce.
- **No unnecessary valves** that can generate heat.
- **Loop system**, the oil flows freely without passing through any valves. Removing and cooling only for simple emergency replacement.

Putzmeister’s Free Flow Hydraulics is the intelligent design alleviates wear-inducing pressure peaks, ensuring smooth pumping and a consistent concrete flow.

- **The intelligent design alleviates wear-inducing pressure peaks**, ensuring smooth pumping and a consistent concrete flow.
- **The closed loop also requires far less oil to run the system**, as a larger reservoir is not necessary to cool all of the oil.
- **Speed and timing are also critical to superior performance**.
- **The first of its kind in the concrete pumping industry**, LSSA includes a computer system to provide a turning radius of three steering axles in the front and two in the rear which are integral cylinders.

- **Fully proportional HBC radio remote**: Smooth and precise control at greater distances.
- **Fully proportional cable remote with tilt (9/16ths) function**: Ideal for smaller projects.
- **Modern control panel**: Improved ergonomic design and operation.
- **Electronic Flow Control (EFC)**: A unique control system featuring a 180° working range for smooth, controllable pumping.
- **Fully proportional HBC radio remote**: Radiomatic Power Boost further enhances reception quality with a 50-100% increase in signal power. A fully proportional HBC radio remote is available with all Putzmeister equipment.

- **Fully hydraulic outriggers with integral cylinders**: Allows the operator to reduce the outrigger extension on one side of the unit to create a smaller overall machine footprint. Utilizing a series of sensors, OSS enables the unit to maintain a defined and safe 180° working envelope on space restrictive sites that otherwise might not be possible.

- **Integrated work lights**: Two spacious decks for convenient pipe handling.
- **Condensation trap in the tank for all forces**: Fully integrated pedestal design absorbs all forces.
- **Fast and easy clean out**: The EZ Clean Out RS 907L Hopper is designed with multi-piece piston cup design, modular pump control box and thick-walled valve construction for long service life.

Driven for Performance

**Concrete Pump**

- **203’ 9” (62.10m) vertical reach**: Equipped with twin-wall delivery line on all boom sections providing efficient delivery line.
- **Low hopper height allows easy discharge during transit**: Thick-walled valve construction allows the hopper to create a smaller overall machine footprint.
- **High range, high pressure at high volume**: Includes a 180° working range for smooth, controllable pumping.
- **Boomerang style outrigger**: Utilizes a series of sensors, OSS enables the unit to maintain a defined and safe 180° working envelope on space restrictive sites.
- **Vibrators**: Complement the hopper’s large 19.4 cu. ft. (550L) capacity.
- **Hard-faced remixer paddles**: Designed for high pressure applications and harsh mixes.
- **Ideal for high pressure applications**: Fully adjustable current control for greater distances.
- **264 gallon (1000L) water tank**: Allows the operator to reduce the outrigger extension on one side of the unit to create a smaller overall machine footprint.
- **406 psi (28 bar) hydraulically-driven water pump**: Allows the operator to reduce the outrigger extension on one side of the unit to create a smaller overall machine footprint.
- **Hinged splash guard covers hopper and extend down rear outriggers**: Allows the operator to reduce the outrigger extension on one side of the unit to create a smaller overall machine footprint.
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Putting You in Control of Success

With the 63Z-Meter, it's easy to maintain control. Adaptive designed feeders offer the right metering patterns, with all the flexibility to meter and control output in the way that you need. The unique modular control box and change out modules allow for the pump and return line functions. Ergonomic, intuitive control layout and enhanced output control and feedback. This unique control enables the operator to see a single joystick on the cabin joystick to automatically move all boom sections and change the boom position in seconds. The bonnet with the shell and boom maximum and minimum height.

63Z-Meter Truck-Mounted Specifications

<table>
<thead>
<tr>
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Putting You in Control of Success

Putzmeister’s Ergonic® technology goes beyond the Ergonic system features EBC with OneTouch™. Providing technology to ensure minimal boom and low noise levels.

最低可能的燃油消耗，减少磨损速度，最少的重量，减少砂石的喷射。

1. Unique modular control box featuring a three-inch square LCD screen which can be split into four different screens. This unique control enables the operator to view a single panel on the cabin monitor or automatically move all boom sections and strategies to prevent interference and tension. The boom within prescribed maximum and minimum height.

2. Multi-functioning outputs: Ergonic Tele Service (ETS) for real-time remote diagnosis of computer fault codes in the field and Ergonic Service (ETS) for real-time remote diagnosis of computer fault codes in the field.

63Z-Meter Truck-Mounted Specifications

- Length: 84’ 7” (25.79m)
- Height: 12’ 10” (3.91m)

- Maximum theoretical values listed.
- Water tank – outrigger
- Height: 9’ 8” (2.95m)
- Maximum size aggregate: 3” (75mm)
- Rod diameter: 2.5” (63mm)
- Differential cylinder diameter: 4” (100mm)
- Hydraulic system pressure: 3500 psi (238 Bar)
- Maximum pump pressure: 3500 psi (238 Bar)
- Volume control: 27 yd$^3$/hr (20m$^3$/hr)
- Pressure — rod side: 3500 psi (238 Bar)
- Pressure — piston side: 3500 psi (238 Bar)
- Piston side — rod side
- Boom - swing out & extend down
- Outrigger spread L - R — rear
- Outrigger spread L - R — front
- End hose — diameter: 4.4” (112mm)
- End hose— length: 35’ 7” (10.85m)
- 4th section length: 4’ 3” (1.3m)
- 3rd section length: 10’ (3m)
- 2nd section length: 7’ 2” (2.18m)
- 1st section length: 5’ 2” (1.57m)
- 5th section articulation
- 1st section articulation
- 5-Section Boom

For available options, please refer to price list.

Photos and drawings are for illustrative purposes only.