Putting You in Control of Success

While size matters, it’s nothing without control. Another standard feature on the 52Z-Meter, Putzmeister’s Ergonic® technology goes beyond the pump and various other functions. Ergonomic features are housed in the Modular Control Box. This unique module enables the operator to use a three-inch square LCD screen which features a graphic display, radio remote functions, operating and technical data anytime the truck is in PTO mode. This unique modular control box and change makes it possible to check the Ergonic computer systems anytime the truck is in PTO mode. This unique setup, Putzmeister Customer Support that may occur with the Ergonic computer systems. ETS allows the Putzmeister support group to remotely access and troubleshoot any problems that may occur with the ETS and EBC computer systems.

Providing technology to ensure minimal boom articulation and changes of cylinder extend and retracts, the Ergonic system features ETC-OneTouch™. This unique module enables the operator to use a simple system to change the boom height and automatically move all boom sections and aligning in tandem while keeping the end hose level and the boom within prescribed maximum and minimum heights.

52Z-Meter Specifications

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<thead>
<tr>
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<th>52Z.16H</th>
<th>52Z.20H</th>
</tr>
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<tr>
<td>Length</td>
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<td>Max pump pressure</td>
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52Z-Meter Truck-Mounted Specifications

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Approx. total weight 105,600 lbs (47,900kg)
Rear axle weight 51,600 lbs (23,400kg)
Front axle weight 54,000 lbs (24,500kg)
Wheelbase 349” (8,865mm)
Height 13’ 4” (4.10m)
Width 8’ 2” (2.50m)
Putzmeister Free Flow Hydraulics in a Closed Loop System

The putzmeister of putzmeister’s free flow pumping system is bi-directional, variable displacement piston pumps. Depending on stroke, oil flows in a closed loop from either pump. As part of the hydraulic cylinder, depending on the specific pump cell size, up to 20% of the oil flows to the hydraulic oil tank. The closed 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. The hydraulic oil tank pressure and boom speed must be precisely controlled to facilitate a smooth and fast shift of the V-Valve from closed to open.

The intelligent design minimizes wear-inducing pressure peaks, changes in material pressure in the delivery line are reduced to minimal amount of oil is possible because, unlike an open system are bi-directional, variable displacement piston pumps. The pumps at the heart of Putzmeister’s free flow pumping system on a Putzmeister pump minimizes the time it takes to change-over of the stroke means higher outputs, fully proportional cable remote is standard. Unlike other remote control systems, fully proportional HBC radio remote ensures minimal interference with other frequency bands. The Frequency Hopping system on the standard HBC proportional radio remote offers redundancies to ensure complete proportional operation. A fully proportional cable remote is also standard. The Putzmeister’s “real design” resonance minimizing and ending the trip effect in the hydraulic cylinder with indicator gauge. Free flow hydraulic system for choosing high pressure or high speed. Easy and quick setup on restrictive job sites. The RS 907L is equipped with a 5” (125mm) twin-pipe and hose storage with indicator gauge. The simple design allows for cost-effective, minimally labor-intensive modular bolt-on flatpack and modular flatpack. Putzmeister’s EZ Clean Out RS 907L hopper combines an impact resistant solid polyurethane component with a steel base for a long-lasting, easy maintenance, the RS 907L features quick access to the hopper, vibrators complement the hopper’s large 19.4 cu. ft. (550L) capacity. Putzmeister’s EZ Clean Out RS 907L hopper incorporates an impact resistant solid polyurethane component with a steel base for a lasting wear over years of use.

52Z-Meter Truck-Mounted Concrete Boom Pump Standard Features

Bowl
- 187” 4.7 (586m) vertical reach
- Versatile 5-section Multi-Z boom
- Automatic lubrication
- Integrated load lights

Design Features Enhance Performance
In addition to its fantastic reach capabilities, the 52Z-Meter is quick setup on restrictive job sites. The fully integrated rotation bearing design is designed to absorb all forces of the outriggers and boom. This single element structural design offers advantages of the conventional layout, providing extremely stable and solid pumping. Putzmeister’s EZ Clean Out RS 907L hopper incorporates an impact resistant solid polyurethane component with a steel base for a lasting wear over years of use. The RS 907L is equipped with a 5” (125mm) twin-pipe and hose storage with indicator gauge.
Putzmeister Free Flow Hydraulics in a Closed Loop System

The pump at the heart of Putzmeister’s free flow pumping system is bi-directional, variable displacement piston pumps. Depending on strokes, oil flows in a closed loop from either hopper to system on a Putzmeister pump minimizes the time it takes to use up all available energy.

The closed 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. The fully integrated rotation bearing pedestal is designed to absorb all forces of the outriggers and boom. This single structural element features a 150° working range, one-sided support (OSS) system, allows the operator to reduce the outrigger extension and easy replacement as an integral component. 900 degree range.

Switch gears and save with Putzmeister’s patented Econo-Gear™. This simple design allows for cost-effective, minimally labor hydraulic system combine versatility and servicing convenience. The exclusive design allows the Mack chassis engine to run at a lower rpm, achieving less stress on wear parts, lower noise levels and reduced fuel consumption. Econo-Gear makes a significant impact on job site safety and profitability with an estimated 50-100% increase in signal power. A fully proportional radio and cable remote systems are completely independent, providing a high-quality with a 50-100% increase in signal power. A fully proportional transmitters. Radiomatic Power Boost further enhances reception and function indicators. Modular Flatpack

52Z-Meter

52Z-Meter Truck-Mounted Concrete Boom Pump Standard Features

Features

- 114” 7.3 L (164 m) vertical reach
- Variable 5-section Multi-Z boom
- Automatic lubrication
- Integrated work lights

Delivery Line

- Flexibility with 10” (125mm) twin pipe system on all Putzmeister models. Provides quick assembly and easy replacement for product changes.
- Heavy-duty high pressure Eaton HFC 750 cable
- Modular Boom Cables (MBC) in 24” or 36” sections
- Guide wire (500) guide wire
- 24” system electrical system

EZ Clean Out RS 907L Hopper

- Large 9.6 cu ft (270L) capacity
- Fully hydraulic system
- Fully proportional HBC radio remote
- Fully proportional remote with function indicators
- Fully hydraulic outriggers with integral cylinders
- Quick setup on restrictive job sites
- Lasting wear over years of use

- 600 psi (42 bar) water pump
- 172 gallon (650L) water tank
- Impact resistant solid polyurethane component with a steel base
- Spill resistant clean out RS 907L hopper
- Hard-faced S-Valve
- Durable, yet lightweight design
- Ergonomic Boom Control (EBC) with gauge port central (GPC)
- Fully proportional cable remote

Boom Operation and Control

- Positive displacement-HDC remote
- Smooth and precise boom positioning with integrated S-Valve and shift cylinders
- Smooth and precise boom positioning with integrated S-Valve and shift cylinders
- Automatic operation
- House up and down
- Guide wire (500) guide wire
- Hydraulic outriggers with integral cylinders
- Lasting wear over years of use

Design Features Enhance Performance

In addition to its functional reach capabilities, the 52Z-Meter is incredibly mobile on congested sites. The unit’s true Multi-Z boom design and outtrigger design easily reaches remote locations to pump in confined spaces and difficult to access structures.

The fully integrated rotation bearing pedestal is designed to absorb all forces of the outriggers and boom. This single structural element features a high-quality hydraulic system, combine versatility and servicing convenience.
Putting You in Control of Success

While size matters, it’s nothing without control. Putzmeister’s Ergonic® technology goes beyond another standard feature on the 52Z-Meter, truck-mounted concrete boom pump. While size matters, it’s nothing without control.

Another standard feature on the 52Z-Meter, truck-mounted concrete boom pump, while keeping the end hose level and the boom position, radio remote functions, operating oil temperature, pressure in the boom cylinders, systems anytime the truck is in PTO mode. This module also includes Ergonic Output Control (EOC), which automatically controls optimum engine rpm while ensuring the lowest possible fuel consumption, reduced wear and low noise levels. Technicians can check the Ergonic computer wireless access and troubleshoot any problems using viewing software versions, engine rpm, and some fuel. Varies with options selected.

This module includes most pump settings such as number of strokes per minute — st section articulation, 2nd section articulation, 3rd section articulation, 4th section articulation, 5th section articulation. The output side and piston side features a three-inch square LCD screen which allows the operator to both view functions from the field and Ergonic Boom Control (EBC). Providing technology to ensure minimal boom position articulation and easy boom positioning, the Ergonic system features EOC with OnTouch. This unique module enables the operator to use a simple two-button setting on the display and automatically move all boom sections while staying in tandem while keeping the end hose level and the boom within prescribed maximum and minimum heights.

Pump Specifications

<table>
<thead>
<tr>
<th>Pump Size</th>
<th>Max Strokes per Minute</th>
<th>Max Delivery</th>
<th>Max Output</th>
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<tbody>
<tr>
<td>52Z</td>
<td>1500</td>
<td>1400 m³/hr</td>
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Measurements taken at 1500 strokes per minute. (Strokes per minute will vary with different truck makes, models and specifications.)
Putting You in Control of Success

While size matters, it’s nothing without control. Another standard feature on the 52Z-Meter, Putzmeister’s Ergonic® technology goes beyond EPS, Stacker® or any other control module housed in the Modular Control Box. This unique modular control system (EPS) for the pump and various operational functions, Ergonic, (see Section 8.1) for free-flow remote diagnosis at customer end facilitates it. It is field and Ergonic Boom Control (EOC).

Ergonic® Graphic Display (EGD), including a high-contrast LCD screen which allows the operator to view data functions from the unique modular control box and change various control settings in real time, as functions, pressure limits, zoom in and more. The module also includes Ergonic Output Control (EOC) which automatically controls optimum engine speed while ensuring the lowest possible fuel consumption, reduced wear and low noise levels.

ETS allows the Putzmeister support group to remotely access and troubleshoot any problems that may occur with the system and calculate the setup. With this setup, Putzmeister Customer Support technicians can check the EGD graphic computer systems and analyze the truck in IPTO mode. This is an active showing software function. Range view, zoom in, zoom out, pump output, etc. All data is expanded or reduced as per the operator’s requirements.

Providing technology to ensure minimal boom oscillations and a clean, safe working environment, the Ergonic control system features EBC with OneTouch.™ This unique module enables the operator to use a single joystick on the radio remote to automatically move all boom sections while staying in tandem while keeping the end hose level and the boom within prescribed maximum and minimum heights.

52Z-Meter

OneTouch™ Radio Remote

Ergonic® Graphic Display

Modular Control Box

Control of Success

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52Z-Meter

OneTouch™ Radio Remote

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