Putting You in Control of Success

While size matters, it’s nothing without control. Another surefire feature on the 61-Meter, the Ergonic® technology goes beyond mere size. There’s a reason we call it the puppet and marionette or functions. Ergonic is a word better synonym for those activities which constitute the medium housed in the Modular Control Box. Those include the Ergonic Computer System (ECS) for the pump and control system. With the ECS, the operator has access to real-time monitoring of various functions, and can also perform remote diagnosis of computer fault codes in the EPS module and the Modular Control Box.

The Modular Control Box contains an Ergonic Graphic Display (EGD) featuring a three-inch square LCD screen which allows the operator to monitor the pump and various operational functions, and can also perform remote diagnosis of computer fault codes in the EPS module and the Modular Control Box. EG.

ET allows the Putzmeister support group to wirelessly access and troubleshoot any problems that may occur with the Ergonic computer systems. And the End Hose section also includes Ergonic Output Control (EOC) which automatically monitors optimum engine rpm while ensuring the lowest possible fuel consumption, reduced wear and low noise levels.

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Putzmeister Free Flow Hydraulics

The pump at the heart of Putzmeister’s free flow hydraulic system are bi-directional, variable displacement piston pumps. Depending on strokes, oil flows in a closed loop from either end of the pump back to the hydraulic cylinder. Depending on the specific pump size, up to over 40% of the oil flows in the simple closed loop system during each stroke through a flushing valve on the main pump and cycles to a cooler before returning to the hydraulic oil tank. Removing and cooling only this minimal amount of oil, unlike an open system, unlike an open system.

The closed loop also requires far less oil to run the system, as a large reservoir is not necessary to cool all of the oil. Speed and timing are also critical to superior performance. Quicker and more responsive than a hydraulic system, the electrical engine on a Putzmeister minimizes the time it takes to charge direction at stroke end. An electrical signal precisely synchronizes the drive cylinders with the accumulator system that controls the S-Valve in the hopper. Reservoir energy stored in a rotating blade is sent as a high-speed blast of oil at precisely the right moment to facilitate a smooth and fast shift of the S-Valve from one position to another.

Key Advantages of Putzmeister’s Free Flow Hydraulic System:

- Changes in material pressure in the delivery line are reduced.
- Fully proportional S-Valve pump cells for smooth, controllable pumping and reduced fuel consumption.
- Fully hydraulic S-Valve pump cells for smooth, controllable pumping.
- Hinged splash guard covers hopper debris entry.
- Compact, self-priming pump cell for easy maintenance.
- Thick-walled valve construction last over years of use.
- Hard-faced S-Valve resistant to high pressure and high flow.
- Automatic lubrication for a less stressful concrete flow and longer wear on parts. The boom is engineered to offer the flexibility to incorporate welding seams below the edge of maximum coverage on all Putzmeister BSF boom pumps for a

61-Meter Truck-Mounted Concrete Boom Pump Standard Features

- 180°-270° vertical reach
- Variable 4-section roll and fold boom
- Automatic limitation
- Integrated work lights
- Delivery line
- piping-with 6" (160 mm) two pipe providing a flush free concert delivery system in the smallest possible diameter with 304 stainless steel piping
- Easy access for ample delivery line replacement
- Standardized discharge and return line配置
- Pressure
- Rotation bearing and access openings
- Fully integrated parallel twin pump system
- Easy access large angle suction pipe and large return line
- Automatic limitation
- Side mount pump pumps line and return line
- Integrated work lights
- Hinged splash guard

Putzmeister ESSER 900 twin-pipe deck pipe with 900 turret elbow

Extended Range Ergonic Boom Control (EBC)

Helping achieve a greater working range and enhanced maneuverability on the job site. Extended Range, EBC, seamlessly smoothly operates the ‘D’-type of manual or fully electro-hydraulic remote.

125 degrees without the system to a full 170 degrees to access hard-to-reach pieces of pavement. On the 90-Meter, Extended Range EBC works together with D2S to enhance visibility and maximum reach on congested sites.

10-15% savings.

and reduced fuel consumption. Econo-Gear makes a significant

The exclusive design allows the Mack chassis engine to run at a lower rpm, achieving less stress on wear parts, lower noise levels and increased fuel economy. The Mack E Series is designed to reduce fuel consumption by 10-15%.

The improvements are evident on the Mack E Series engine on the RS 907L. The Mack engine with its 525 hp, 12.7 liter (760 cu. in) six-cylinder inline and its 1065 lbs. ft. of torque is produced by Mack Truck, LLC, an independent company from the Mack Engine Division.

The RS 907L is designed for performance and durability. Engineered for performance and strength, the RS 907L features quick access to the

Putzmeister Boom Pump Advantage

Putzmeister Free Flow Hydraulics in a Closed Loop System

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Key Advantages of Putzmeister’s Free Flow Hydraulics:

- Changes in material pressure in the delivery line are reduced to ensure smooth pumping and a consistent concrete flow.
- There is greater pump output due to the efficient use of all available energy.
- Rapid change-over of the stroke means higher outputs, a smoother flow of concrete and less boom bounce.

Free Flow Hydraulics

Putzmeister Free Flow Hydraulics allows for temperature control for outgoing permissible moisture levels.

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61-Meter Truck-Mounted Concrete Boom Pump Standard Features

- Oil from cooler to pressure
- Pressure
- Proximity switches
- Oil cooler
- Oil filter
- Diverter Oil from Main Pump
- Main pump
- Accumulator
- Pressure
- Stroke

Putzmeister Free Flow Hydraulics in a Closed Loop System

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Putting You in Control of Success

With one-motion, it’s nothing without context. Another important feature on the 61-Meter Truck-Mounted Concrete Boom Pump is its advanced technology that streamlines the process of monitoring and troubleshooting, making it easier for operators to maintain and optimize performance. This advanced technology is complemented by the ergonomic design of the control box, which ensures that all controls are within easy reach, minimizing the risk of injury and improving overall efficiency.

Ergonomic Design

The controls on the 61-Meter Truck-Mounted Concrete Boom Pump are designed to be comfortable and easy to use, reducing the risk of strain and fatigue. The control box is also equipped with LED displays and configurable buttons, allowing operators to customize their interface according to their preferences.

Range of Motion

The 61-Meter Truck-Mounted Concrete Boom Pump features a range of motion that is unparalleled in the industry. With a maximum reach of 183’9” (56.01m) and a maximum height of 70’9” (52.04m), this pump is capable of reaching difficult-to-access areas, making it ideal for various applications, including construction and infrastructure projects.

Technical Specifications

Weight: 112,140 lbs (50,866kg)
Height: 14’3” (4.35m)
Width: 10’ (3m)
Length: 38’10” (11.80m)
Maximum theoretical output: 260 yd³/hr (200m³/hr)
Maximum delivery pressure: 2,000 psi (138 bar)

Conclusion

Putzmeister’s 61-Meter Truck-Mounted Concrete Boom Pump is designed with the operator in mind, providing superior performance and a high level of comfort and ease of use. This pump is an excellent choice for those looking for a reliable and versatile solution to their concrete pumping needs.
Putting You in Control of Success

While valve motions, it's nothing without control. Another unique feature on the 61-meter Truck-Mounted Concrete Boom Pump is the ergonomic and intuitive module that encompasses a joystick located on the control box. The pump and various other functions, Ergonic is a result of the sytem that automates a multitude of functions housed in a single joystick on the radio remote to automatically move all boom sections and slew in tandem with a single joystick.

Another standard feature on the 61-Meter, is the unique modular control box and change selected pump settings such as number of strokes per minute, pressure limits, stroke length, high pressure, pump output, etc. The module also includes Ergonic Output Control (EOC), which automatically controls optimum engine speed and oil temperature, pressure in the boom cylinders, oil consumption, reduced wear and low noise levels.

Providing technology to ensure minimal boom maintenance is a reality and ease of troubleshooting, the Ergonic system features EBC with OneTouch. This unique module enables the operator to use a single joystick to turn the boom in any direction to automatically move all boom sections and slew in tandem while keeping the end fresh feed live and the booms within prescribed maximum and minimum heights.

### Boom Specifications - Roll-and-Fold Design

<table>
<thead>
<tr>
<th>Spec</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>53' 2&quot; (16.21m)</td>
</tr>
<tr>
<td>Reach</td>
<td>70' 9&quot; (52.04m)</td>
</tr>
<tr>
<td>Height from front of truck*</td>
<td>97' 2&quot; (60.10m)</td>
</tr>
<tr>
<td>Oil temperature</td>
<td>180˚F (82.2˚C)</td>
</tr>
<tr>
<td>Pressure</td>
<td>5.5&quot; (117mm)</td>
</tr>
</tbody>
</table>

---

* Applies to units mounted on PMA stock truck — MACK MRU 688S

### Pump Specifications 61.16H 61.20H

<table>
<thead>
<tr>
<th>Spec</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil inlet pressure</td>
<td>140mm (2100m3/hr)</td>
</tr>
<tr>
<td>Oil stroke length</td>
<td>83&quot; (2100mm)</td>
</tr>
<tr>
<td>Oil material cylinders</td>
<td>Hard-chromed material</td>
</tr>
<tr>
<td>Oil piston side</td>
<td>112&quot; (280mm)</td>
</tr>
</tbody>
</table>

### End Hose Specifications

<table>
<thead>
<tr>
<th>Spec</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>End hose — diameter</td>
<td>2.5&quot; (63mm)</td>
</tr>
<tr>
<td>End hose — material cylinders</td>
<td>Hard-chromed material</td>
</tr>
<tr>
<td>End hose — piston side</td>
<td>210 yd3/hr (160m3/hr)</td>
</tr>
</tbody>
</table>

### General Specs

<table>
<thead>
<tr>
<th>Spec</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>53' 9&quot; (16.38m)</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>349&quot; (8,865mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>112,140 lbs (50,866kg)</td>
</tr>
<tr>
<td>Engine rpm</td>
<td>1800 rpm</td>
</tr>
<tr>
<td>Oil consumption</td>
<td>10 yd3/hr (8m3/hr)</td>
</tr>
<tr>
<td>Oil material cylinders</td>
<td>Hard-chromed material</td>
</tr>
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<td>Oil piston side</td>
<td>210 yd3/hr (160m3/hr)</td>
</tr>
</tbody>
</table>

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