Lightweight and move-restricted. Putzmeister’s "Smart-Design" boom incorporates welding seams at the edge of maximum stress. The boom is engineered to offer the flexibility to adapt to different trucks and features more weight gain to a less stressed position for greater durability in the future. Putzmeister’s "Smart-Design" boom significantly reduces the footprint of the concrete pump, creating a smaller footprint in restricted areas and can pump even if the boom is not fully extended.

Fuel Economy
Rack and pinion slewing offers greater reach than rotation and is easy to service. Putting the pump closer to the cab, and pinion design for improved weight distribution and longer wear on parts. The Multi-Z configuration handles space restrictive areas and can pump even if the boom is not fully extended.

The 36Z-Meter boom features a single mechanical-reach rack and pinion design for improved weight distribution and easy serviceability. Putting the pump closer to the cab, and pinion-slewing offers greater reach than rotation and is easy to service and put in a vertical position. Specially designed teeth in the system offer smooth rotation and positive backlash in the turning gears.

36Z-Meter
Truck-Mounted Concrete Boom Pump

36Z-Meter Truck-Mounted Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Spec 36Z.12L</th>
<th>Spec 36Z.16H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length @ Max. Height</td>
<td>36' 7&quot; (11.14m)</td>
<td>21' 8&quot; (6.60m)</td>
</tr>
<tr>
<td>Width</td>
<td>8' 2&quot; (2.49m)</td>
<td>5' 4&quot; (1.62m)</td>
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<tr>
<td>Height</td>
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<td>7' 4&quot; (2.24m)</td>
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<td>Wheelbase</td>
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<td>20' 7&quot; (6.27m)</td>
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<tr>
<td>Front axle weight</td>
<td>29,511 lbs (13,380kg)</td>
<td>16,420 lbs (7,450kg)</td>
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<td>Approx. total weight</td>
<td>55,215 lbs (25,040kg)</td>
<td>30,264 lbs (13,700kg)</td>
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Weights are approximate and include pump, boom, truck, flat hydraulic oil, crew and some tools. Value may vary depending on options selected.

Dimensions will vary with different truck makes, models and specifications.

Other Boom Design

Notch Cutout Design

The 36Z-Meter boom features a single mechanical-reach rack and pinion design for improved weight distribution and easy serviceability. Putting the pump closer to the cab, and pinion-slewing offers greater reach than rotation and is easy to service and put in a vertical position. Specially designed teeth in the system offer smooth rotation and positive backlash in the turning gears.

Fuel Economy

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Dimensions will vary with different truck makes, models and specifications.
**BOOM PUMP ADVANTAGE**

**EZ Clean Out RS 507A Hopper**
- Large 10.2 x 14.2 ft (3050 L) capacity
- Hard-faced rim/kerb paddles
- Vibrator
- Integral splashguard cover during transit
- Low hopper height allows easy discharge from a floor trash
- Automatic lubrication
- Integrated work lights
- Quick setup on restrictive job sites
- Front outriggers extend diagonally and absorb all forces
- Fully hydraulic outriggers with integral cylinders
- Fully integrated pedestal design
- Thick-walled valve construction
- Lasting wear over years of use
- Ideal for high pressure applications and harsh mixes
- Hard-faced S-Valve
- Gradual 9 to 7° (310 to 160°) reduction
- Twin-walled valve construction
- Lasting year one years of use

**Series II Detach Boom Kit**
- Can be installed with your initial boom or fly the boom to a placing tower
- Putzmeister’s detach units feature unique “X” brace outrigger system
- Fully hydraulic outriggers with integral cylinders
- Unique “X” brace outrigger system
- Easy access large single suction filter with indicator gauge
- Comprehensive bag in the box for water collection
- Two spacious decks for convenient pipe and hose storage
- Manual lubrication

**Modular Flatpack**
- Modular pump control box with function indicators
- Redundant proximity sensor system
- Hard-chromed material cylinders
- Multi-piece piston cup design
- Fully controllable pumping with 130’ (40m) cable

**Concrete Pump**
- Boom Operation and Control
  - Fully proportional HBC radio remote
  - Smooth and precise boom positioning at precise distances
  - Fully proportional cable remote with 510 (40m) cable
  - Remote Control System (RCS)
  - Modular Boom Controls (MBC)
  - 240V control box

**Delivery Line**
- Equipped with 5’ (125cm) horizontal delivery pipe on all boom sections providing efficient concrete delivery
- Induction-hardened duct pipe with CDC turret elbow
- Easy flip out brackets for simple delivery line replacement
- Standardized elbows and straight pipe sections
- Common component availability and easy replacement

**Clean-Out**
- Flat and easy clean out
- 406 psi (28 bar) hydraulically-driven water pump
- Wash out kit and hose
- Integrated ball joint (1750 lbs) water snack

**Modular Footprint**
- Fully removable. Putzmeister’s modular bolt-on footprint provides easier access to the S-Valve and shift cylinders.
- Fully integrated pedestal design
- Thick-walled valve construction
- Lasting wear over years of use

**36Z-Meter**

The frequency hopping system on the standard HBC proportional radio remote ensures minimal interference with other frequency transmitters. Reclaimable Power Fluid further enhances reclaimability with 50-100% increase in signal power. A fully proportional radio remote is also standard. Unlike other remote control systems, the radio and cable remote systems are completely independent, offering redundancies to ensure complete proportional operation through either the radio or cable remote in the event of a problem.

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- Hard-faced rim/kerb paddles
- Vibrator
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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 port A or port B on the pump to the hydraulic cylinders. Depending on specific pump cell size, up to 20% of the oil leaves the simple closed loop system during each stroke through a flushing valve on the main pump and cycles to a cooler before it returns to the hydraulic oil tank. Removing and cooling only the minimal amount of oil is possible because, unlike an open loop system, the oil flows freely without passing through any unnecessary valves that can generate heat.

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. Sicker and more responsive than a hydraulic signal, the electrical system on a Putzmeister pump minimizes the time it takes to change direction at stroke end. An electrical signal precisely synchronizes the drive cylinders with the accumulator system that controls the S-Valve in the hopper. Reserved energy in a nitrogen bladder sends a supercharged blast of oil at precisely the right moment to facilitate a smooth and fast shift of the S-Valve from one position to another.

Putzmeister Free Flow Hydraulics in a Closed Loop System

**False Bottom**

One of our most popular models, the 36Z-Meter offers the best of everything: power, reach, powerful pumping performance and a convenient footprint on-site. In addition, this model is available as a detach boom to enhance your options – pump from the truck or fly the boom to a placing tower. Putzmeister’s detach units feature the quicklift hood against truck-to-boom collision for greater efficiency. The Series II Detach Boom Kit can be installed with your initial boom pump order or added at a later date.

**Key Advantages of Putzmeister’s Free Flow Hydraulics:**

- Constant pressure on material in the delivery line ensures pumping is smooth and the flow of concrete is consistent.
- The intelligent design eliminates wear-inducing pressure peaks, increases service life and makes our pumps extremely powerful.
- There is greater pump output due to the efficient use of all available energy.
- Rapid changeover of the stroke means higher outputs, a smoother flow of concrete and less boom bounce.
36Z-Meter
Truck-Mounted Concrete Boom Pump

Rack and Pinion Slewing
The 36Z-Meter boom features a simple mechanical rack and pinion slewing system. This system offers smooth rotation and prevents backlash in the swing gears. The system is designed to be easy to maintain and eliminate backlash even under extreme conditions.

Fuel Economy
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. Even when pumping a full load, the engine can run at a lower rpm, achieving less stress on wear parts, lower noise levels, and reduced fuel consumption.

Switch gears and save with Putzmeister’s patented Econo-Gear™. The unique design provides a full load without noise and stress on wear parts. Specially designed bearings on lighter weight models. Specially designed bearings on the system offer on instant rotation and provide backlash in the swing gears.

36Z-Meter Truck-Mounted Specifications

- Length: 36’ 7” (11.19m)
- Width: 8’ 2” (2.49m)
- Height: 13’ 1” (3.99m)
- Wheelbase: 210” (5.39m)
- Front axle weight: 18,911 lbs (8,595kg)
- Rear axle weight: 30,264 lbs (13,700kg)
- Approx. total weight: 50,215 lbs (22,700kg)

Weights are approximate and include pump, boom, truck, fully hydraulic oil, screen and some tan. Some axles are option.

Dimensions will vary with different truck makes, models and specifications.