### 28Z-Meter Truck-Mounted Concrete Boom Pump Specifications

- **Length**: 33’ 1” (10.15m)
- **Width**: 8’ 2” (2.49m)
- **Height**: 12’ 7” (3.84m)
- **Wheelbase**: 13’ 0” (3.96m)
- **Front axle weight**: 10,770 lbs (4,973kg)
- **Rear axle weight**: 23,342 lbs (10,583kg)
- **Approx. total weight**: 45,300 lbs (20,548kg)
- **Max. output**: 210 yd$^3$/hr (160m$^3$/hr)

### Boom Specifications • Multi-Z Design

<table>
<thead>
<tr>
<th>Height &amp; Reach</th>
<th>Vertical reach</th>
<th>Horizontal reach</th>
<th>Reach from front of truck</th>
<th>Reach depth</th>
<th>Unfolding height</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>89’ 7” (27.31m)</td>
<td>78’ 1” (23.80m)</td>
<td>69’ 2” (21.08m)</td>
<td>54’ 6”</td>
<td>21’ 4”</td>
</tr>
</tbody>
</table>

### 4-Section Boom

- **1st section articulation**: 90˚
- **2nd section articulation**: 180˚
- **3rd section articulation**: 250˚
- **4th section articulation**: 248˚

### General Specs

- **Pipeline size (ID) metric ends**: 5” (125mm)
- **Rotation**: 365˚
- **End hose — length****: 10’ (3.00m)
- **End hose — diameter**: 5” (125mm)
- **Outrigger spread L-R — front**: 20’ 5” (6.23m)
- **Outrigger spread L-R — rear**: 8’ 7” (2.62m)

### Pump Specifications

- **Output — rod side**: 142 yd$^3$/hr (109m$^3$/hr)
- **Output — piston side**: 85 yd$^3$/hr (65m$^3$/hr)
- **Pressure — rod side**: 1015 psi (70 bar)
- **Pressure — piston side**: 1624 psi (112 bar) • 1885 psi (130 bar) •

### Additional Features

- **Hard-chromed material cylinder**: Standard
- **Longitudinal vibrators**: 0-Full
- **S-Valve**: Standard
- **Flow control**: Standard
- **Hydraulic system**: Free Flow
- **Max. theoretical power output**: 185 hp (136 kW)
- **Differential cylinder diameter**: 5.1” (130mm) • 5.5” (140mm)
- **Rod diameter**: 3.1” (80mm)
- **Maximum size aggregate**: 2.5” (63mm)
- **Water tank**: 185 gal (700L)
- **Fuel economy**: Switch gears and save with Putzmeister’s patented Econo-Gear™. The exclusive design lowers the Mack chassis engine to run at a lower rpm, achieving lower fuel costs while lowering levels and reduced fuel consumption. "Econo-Gear" makes a significant impact on job site productivity with an estimated 10-15% savings.

Putzmeister’s exclusive ER 3 Removable, Putzmeister’s modular bolt-on flatpack and hydraulic system combine versatility and servicing convenience. Pump cells can be switched out as jobs require or when maintenance is necessary. This feature also provides easier access to the S-Valve and shift cylinders.

Putzmeister’s EZ Clean Out hopper is engineered for performance and easy maintenance. Offering 434 cu. ft. (12.35m$^3$) capacity, the hopper features bolt-on removable paddles and vibrator. The unique design of the impact resistant polyurethane splash guard protects the unit from splattering during pumping and black bush and latches to cover the hopper during transit.

### Range Diagram

Photos and drawings are for illustrative purposes only. For available options please refer to price list.

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**End hose not to be operated in caution area.**

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Putzmeister America, Inc.
1733 90th Street
Sturtevant, WI 53177 USA
www.putzmeister.com
Telephone (262) 886-3200
Facsimile (262) 884-6338
(800) 884-7210
(866) 600-0049

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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 port A or port B on the pump to the hydraulic cylinders.

Depending on the specific pump cell size, up to 90% 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 this 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. Quicker 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.

As an electrical signal precisely synchronizes the drive cylinders with the accumulator system that controls the S-Valve in the hopper. Reserved energy stored in a nitrogen bladder is sent as 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.

Key Advantages of Putzmeister’s Free Flow Hydraulics:

- Changes in material 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.

28Z-Meter
Truck-Mounted Concrete Boom Pump Standard Features

- 89’ 7” (27.31m) vertical reach
- 24’ Vertical Delivery Line
- 24V Control box
- Gauge Port Central (GPC)
- Side-mounted aluminium toolboxes
- Integrated work lights
- Warning System (OSWS)
- Manual lubrication
- 28L/Hour Twin-pipe deck
- EZ Clean Out RS 907A Hopper
- EZ Clean Out RS 907A hopper
- 28Z-Meter trucks are equipped with hydraulic outriggers
- Operator Supervision
- Multi-Z boom design that makes negotiating congested job sites effortless. The boom can even unfold inside a building when necessary. Convenient fold-down side panels offer easy access to deck storage. This model travels easily, sets up quickly and performs reliably pour after pour.

Smaller Size, Greater Flexibility

Offering fantastic maneuverability, the 28Z-Meter features a low unfolding height and Multi-2 boom design makes navigating congested job sites effortless. The boom can even unfold inside a building when necessary. Convenient fold-down side panels offer easy access to deck storage. This model travels easily, sets up quickly and performs reliably pour after pour.