

# 42X-Meter Truck-Mounted Concrete Boom Pump



- **138 ft Vertical Reach**
- **Special Telescopic Diagonal X-Outrigger Design for Quicker Setup**
- **Fully Integrated Boom Pedestal**
- **High Volume Outputs and High Pressures**
- **Free Flow Hydraulics**

**Boom** The Putzmeister 42X-Meter truck-mounted concrete boom pump features a compact telescopic diagonal X-outrigger design for quicker and easier setup in the tightest of areas. Plus, this highly versatile 4-section roll and fold boom is mounted on a four-axle chassis for enhanced maneuverability.

**Delivery Line** The boom is equipped with a 5 in induction hardened delivery line mounted in easy lift-out brackets for simple delivery line replacement. Standardized elbows and straight pipe sections are used for common component availability and easy replacement.

**Pedestal** The fully integrated pedestal design of the Putzmeister 42X absorbs all forces as outriggers and boom are within one structural element. This design results in less twist, reduced forces transferred to the truck frame, a small outrigger footprint, low overall weight and quick setup. The boom pedestal includes a rotation bearing and access openings to simplify changing the turret pipe. It also incorporates a hydraulic oil tank for improved weight distribution. Triple suction filters with indicator gauges are located in the pedestal for easy access, and a condensation trap is found in the tank to collect water. Two spacious 15 ft 5 in (4.7m) long decks allow convenient storage of pipe and hoses.

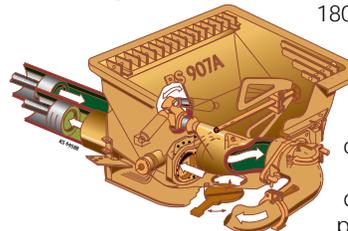
**Outriggers** The fully hydraulic telescopic diagonal X-outrigger design allows for quick and easy setup on congested job sites. Compact in width, the front double-acting outriggers diagonally telescope while rear ones swing out. Aluminum outrigger pads (4) with two side compartments are included with each unit.

**Radio Remote Controls** Fully proportional frequency hopping HBC radio remote controls are standard for smooth and precise positioning of the boom. Additionally, the unit comes with a backup cable remote box with 130 ft (40m) cable for all boom and pump functions.

**Clean Out** A 406 psi (28 bar) hydraulically-driven water pump with a 210 gallon (790L) water supply make clean out easy.

**Concrete Pump** With the same setup, only Putzmeister has the technology to offer both 260 yd<sup>3</sup>/hr output and provide 1233 psi concrete pressure with its .20H pump on the piston side (or 210 yd<sup>3</sup>/hr output and 1233 psi with its .16H pump - rod side). With competitive designs, you have to decide if you want either high pressure or high volume. Key features include a free flow hydraulic system for smooth controllable pumping as well as hard-chromed concrete cylinders and automatic lubrication of the concrete pistons for long service life. This pump has a fully adjustable volume control which allows very slow pumping while retaining full concrete pressure and boom speed.

**S-Valve** Ideal for high pressure applications, our hard-faced "Big Mouth" S-Valve with gradual 9 in to 7 in (230 to 180mm) reduction is designed to

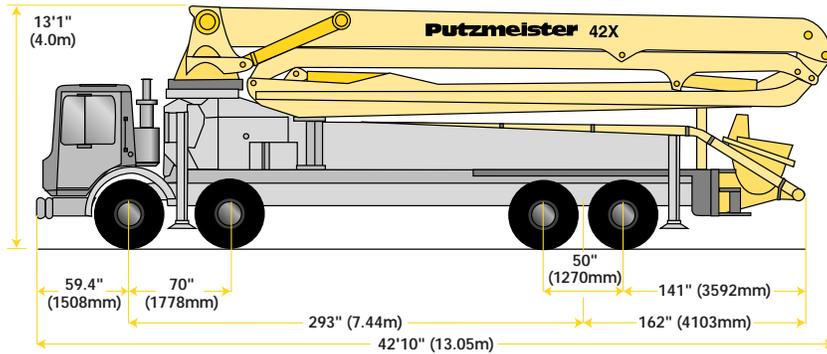


handle extremely harsh concrete mixes. A thick-walled valve construction, exclusive Putzmeister hard-chromed concrete cylinders and a multi-piece piston cup design all add up to longer pump performance.

**Hopper** With a larger 19.4 cu ft (550L) capacity, this **E-Z Clean Out** RS 907A hopper features hard-faced remixer paddles, vibrator and a special hinged splash guard. Besides protecting the unit from splattering during pumping, this unique design conveniently folds down and latches to cover the hopper during transit. Additionally our low hopper height allows for easy discharge from mixer trucks.

# Specifications

## 42X-Meter Concrete Pump



### Truck-Mounted Specifications

Based on Model Mack MR 688S with .16H pump cell.

Length	42'10"	(13.05m)
Width	8'2"	(2.50m)
Height	13'1"	(4.00m)
Wheelbase	293"	(7442mm)
Front axle weight	33,431 lbs	(15,178kg)
Rear axle weight	38,961 lbs	(17,688kg)
Approx total weight	72,392 lbs	(32,866kg)

Weights are approximate and include pump, boom, truck, full hydraulic oil, driver and some fuel. Varies with options selected.

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

### Boom Specifications • Roll and Fold Design

#### Height & Reach

Vertical reach	136'10"	(41.70m)
Horizontal reach	124'8"	(38.00m)
Reach from front of truck*	115'9"	(35.30m)
Reach depth	92'9"	(28.29m)
Unfolding height	32'6"	(9.90m)

#### 4-Section Boom

1st section articulation	99°
2nd section articulation	180°
3rd section articulation	180°
4th section articulation	255°

1st section length	33'4"	(10.16m)
2nd section length	30'10"	(9.40m)
3rd section length	30'2"	(9.19m)
4th section length	30'4"	(9.25m)

#### General Specs

Pipeline size (ID) metric ends with couplings	5"	(125mm)
Rotation	5.5"	(140mm)
End hose-length (heavy duty)	365°	
End hose-diameter	10'	(3m)
Outrigger spread L-R-front telescopic diagonal	5"	(125mm)
Outrigger spread L-R-rear swing-out	26'3"	(8.00m)
	29'6"	(9.00m)

### Pump Specifications

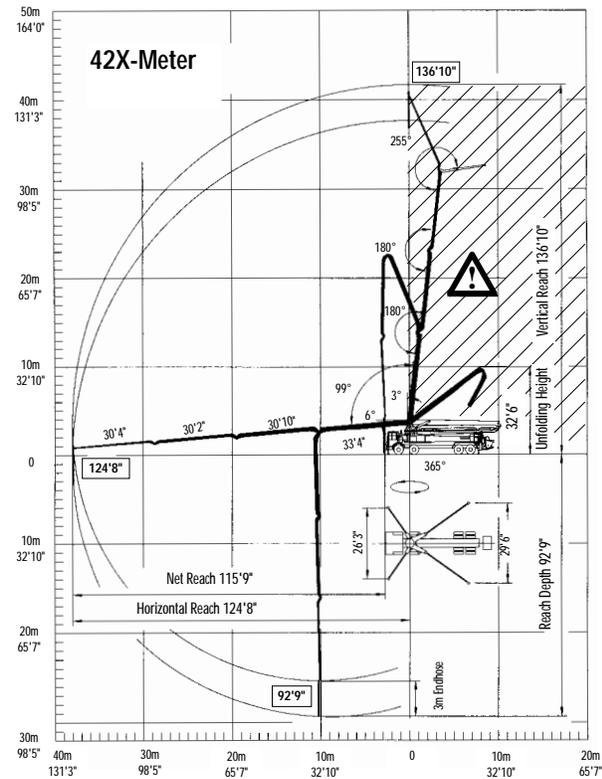
	42X.16H		42X.20H	
Output- rod side	210 yd <sup>3</sup> /hr	(160m <sup>3</sup> /hr)	—	—
piston side	146 yd <sup>3</sup> /hr	(112m <sup>3</sup> /hr)	260 yd <sup>3</sup> /hr	(200m <sup>3</sup> /hr)
Pressure- rod side	1233 psi	(85 bar)	—	—
piston side	1885 psi*	(130 bar)*	1233 psi*	(85 bar)*
Concrete cylinder diameter	9"	(230mm)	11"	(280mm)
Stroke length	83"	(2100mm)	83"	(2100mm)
Max strokes per minute-				
rod side	31		—	
piston side	21		26	
Volume control	0-Full		0-Full	
Vibrator	Standard		Standard	
Hard chromed concrete cylinders	Standard		Standard	
Hydraulic system	Free Flow		Free Flow	
Hydraulic system pressure	5075 psi	(350 bar)	5075 psi	(350 bar)
Differential cylinder diameter	5.5"	(140mm)	5.5"	(140mm)
Rod diameter	3.1"	(80mm)	3.1"	(80mm)
Maximum size aggregate	2.5"	(63mm)	2.5"	(63mm)
Water tank - pedestal	40 gal	(150L)	40 gal	(150L)
- outrigger	170 gal	(640L)	170 gal	(640L)

Maximum theoretical values listed.

\* Applies to units mounted on PMA stock truck-Mack MR 688S

• Standard delivery line system rated at max line pressure of 1233 psi (85 bar)

Right to make technical amendments reserved.



End hose not to be operated in caution area.



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