



# OPERATION, MAINTENANCE AND PARTS MANUAL TRUCK - MOUNTED CONCRETE BOOM PUMP MODEL: **XT39R4**



**REED**, provides this manual for the guidance of all owners, operators and servicing personnel in order to obtain the longest possible trouble-free service. It contains data, specifications, warranty, schematics, operating instructions, lubrication procedures, maintenance procedures, illustrated parts breakdown, vendor information, service bulletins, and safety rules.

Serial No.:	<input type="text" value="071001XT39R4V00"/>
Date Delivered:	<input type="text" value="AUGUST 2008"/>
Customer:	<input type="text"/>

**NOTE:** Additional copies of this manual may be obtained through the **REED** Parts Department.

FIRST EDITION: AUGUST 25, 2008  
PART NUMBER: **XT39R4V00**



# REED

## TRUCK MOUNTED CONCRETE BOOM PUMPS TWO • FOUR • SIX 2 – 4 – 6 WARRANTY

REED warrants each of its new Truck Mounted Concrete Boom Pumps to be free of defects in material and workmanship under normal use and service for a period of Two • Four • Six years from date of delivery based on the following conditions:

- Two (2) year or 4000 pumping hours whichever comes first, covering "bumper to bumper" excluding:
  - ✓ Truck (truck is covered under Mack warranty)
  - ✓ Wear Parts
- Four (4) years covering the Seimens PLC (Programmable Logic Control)
- Six (6) years covering the steel structural parts

The **WARRANTY** is issued **ONLY** to the **INITIAL USER**. The warranty periods begins when the product is delivered to the initial user or when first put into service, whichever occurs first. Said warranty is void if the machine is subject to misuse, neglect, accident or abuse.

The **STRUCTURAL WARRANTY** will not be honored unless; regular inspections have taken place and repairs as recommended as a result of the inspection. Inspection guidelines are detailed in the **ACPA BOOM INSPECTION BOOK**, attached in the extreme rear of the "Operations, Maintenance, and Parts Manual". The frequency of inspection must adhere to the **ACPA BOOM INSPECTION BOOK**. For **WARRANTY** to be considered valid, these inspections must be performed by a "qualified person" as defined by the **ACPA SAFETY MANUAL** (also at the extreme rear of the "Operations, Maintenance, and Parts Manual").

REED'S obligation under this warranty is limited to correcting without charge, at its factory, any parts or parts thereof which shall be returned to its factory, transportation prepaid and upon REED'S examination proves to have been originally defective. Correction of such defects by repair or replacement shall constitute fulfillment of all obligations to the initial user. This warranty does not include labor or transportation charges unless specifically identified and authorized in writing by REED. Nor does the warranty apply to any unit upon which repairs or unauthorized alterations have been made.

This warranty does not apply to normal maintenance service or to normal replacement of certain machine parts, which are subject to normal wear (such as concrete cylinders and wear components, valve mechanisms, delivery systems and bracketry, chassis decking / walkways, steps and hand rails, hopper grate, etc.) REED makes no warranty in respect to trade accessories or outside vendor components including truck chassis, such being subject to the warranties of their respective manufacturers.

*THIS IS A LIMITED WARRANTY AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.* In no event shall REED be liable for incidental, general or consequential damages, loss or any expense directly or indirectly related and resulting from use or lack of use caused by delay in delivery, parts failure, or any other causes associated with the product use. No person, firm or corporation is authorized to assume for REED any other liability in connection with the sale of REED products.

*Effective January 25, 2008*



## Model XT39R4

### Truck Mounted 39-Meter Concrete Boom Pump



- **Economy Line**
- **126'7" (38.6 m) Vertical Reach**
- **160 yd<sup>3</sup>/hr (125 m<sup>3</sup>/hr)**
- **1233 psi Concrete Pressure**
- **4-Section Roll and Fold Boom with 5" (125 mm) Line**
- **Centralized "X" Outrigger and Boom Pedestal**
- **Efficient Rexroth A4VG125 "Closed-Loop" Hydraulics**
- **Exclusively 90° Elbows on Boom**
- **Radiused Boom Design**

**Boom:** Versatile, compact, fully articulating 4-section roll-and-fold boom represents the latest in boom technology. Radiused boom design to improve durability and eliminate stress focal points. Low unfolding height of 29'10" (9.1 m).

**Delivery Line:** 5" (125 mm) delivery line, with straight pipe sections and 90 degree elbows.

**Pedestal:** Integrated outrigger and boom pedestal with small outrigger footprint. "X"-structure design eliminates stress or twist in truck frame. Hydraulic oil tank and water tank located in pedestal section for improved weight distribution. Two spacious 12' 9" (3.9 m) long decks for convenient storage of pipes and hoses.

**Outriggers:** Front and rear, fully hydraulic, "X"-type outriggers; only 22'4" (6.8 m) front width and 22'11" (7.0 m) rear width for quick setup. Front outriggers telescope while rear ones swing-out. Outrigger controls are located at the truck boom base. Unsurpassed stability while pumping.

**Remote Controls:** Fully proportional radio remote controls included. Convenient teathered back-up system. Manual boom controls are conveniently located on the RH side.

**Clean-Out:** Hydraulically driven, high pressure 580 psi (40 bar) water pump with a 185 gal (700 L) water tank and hose.

**Concrete Pump** - Closed-loop hydraulic system using Rexroth A4VG125 hydraulic pump for smooth, controllable pumping. Hard-chromed concrete cylinders and carbide wear parts precision machined for long life and tight sealing. Fully-variable volume control from 0 to 160 yd<sup>3</sup>/hr (0 to 125 m<sup>3</sup>/hr). Hinged clean-out door and swing away discharge pipe for quick, effective wash-out. All major system components located for good operator accessibility and ease of service. Harsh-mix hopper combines field proven boom pump experience with the most advanced technology available. Hopper grate and splash guards are standard.

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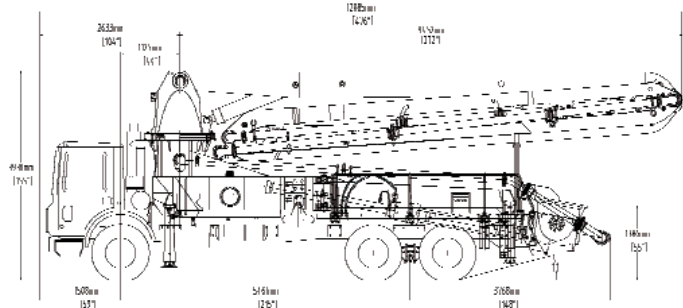
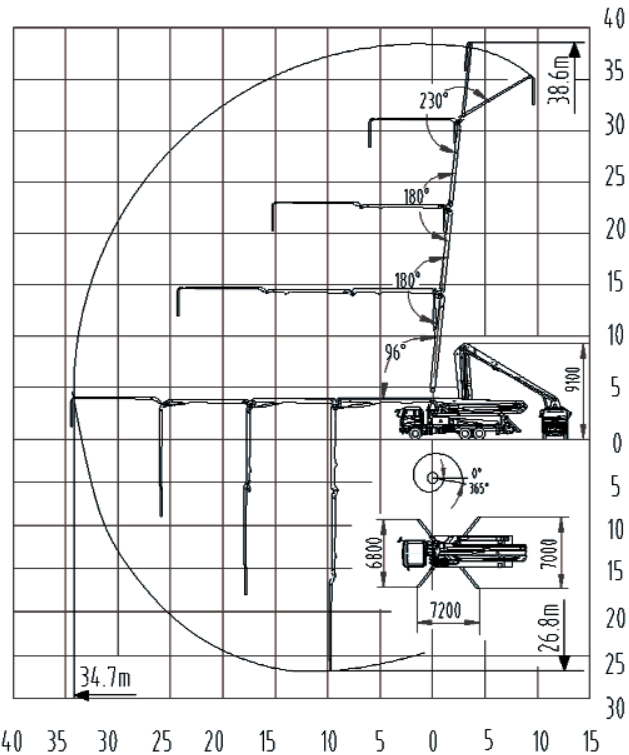
## Truck Mounted 39-Meter Concrete Boom Pump

BOOM SPECIFICATIONS		XT39R4	
<b>Height &amp; Reach</b>			
Vertical Reach	126'7"	38.60 m	
Horizontal Reach	113'10"	34.70 m	
Reach Depth	87'11"	26.80 m	
Unfolding Height	29'10"	9.1 m	
<b>4-Section Boom</b>			
1st Section Articulation	100°	100°	
2nd Section Articulation	180°	180°	
3rd Section Articulation	180°	180°	
4th Section Articulation	240°	240°	
1st Section Length	30'6"	9.30 m	
2nd Section Length	27'7"	8.40 m	
3rd Section Length	27'7"	8.40 m	
4th Section Length	28'3"	8.60 m	
<b>General Specs</b>			
Pipeline Size (ID) Metric Ends	5.0"	125 mm	
Rotation	365°	365°	
End Hose: Length (Heavy-duty)	13'0"	4.00 m	
Diameter	5.0"	125 mm	
Outrigger Spread L-R-Front	22'4"	6.80 m	
Outrigger Spread L-R-Rear	22'11"	7.00 m	
<b>PUMP SPECIFICATIONS</b>			
Output:	160 yd <sup>3</sup> /hr	125 m <sup>3</sup> /hr	
Pressure:	1233 psi	85 bar	
<b>Hard-Chromed Concrete Cylinders</b>			
Concrete Cylinder Diameter	9.0"	230 mm	
Stroke Length	79.0"	2000 mm	
Maximum Strokes per Minute:	25		
Hopper Capacity	21.2 ft <sup>3</sup>	600 L	
Volume Control	Zero to Full		
Hopper Grate Vibrator	Standard		
Hydraulic System:	Closed-loop		
Hydraulic System Pressure	4640 psi	320 bar	
Hydraulic Tank Capacity (Pump System)	116 gal	440 L	
Hydraulic Drive Cylinders: Rod Diameter	3.15"	80mm	
Piston Diameter	4.9"	125mm	
Water Tank Capacity	185 gal	700 L	
Maximum Aggregate Size	2.5"	63 mm	
<b>TRUCK MOUNTED SPECIFICATIONS*</b> Truck Model: Mack MR 688S			
Horsepower	350	350	
Length	39'8"	12.08 m	
Width	8'2"	2.49 m	
Height	12'11"	3.94 m	
Wheelbase	215"	5.46 m	
Front Axle Weight (Approx.)**	19,374 lbs	8,806 kg	
Rear Axle Weight (Approx.)**	43,478 lbs	19,763 kg	
Total Weight (Approx.)**	62,852 lbs	28,569 kg	

Maximum theoretical performance shown above. Maximum output and pressure cannot be reached simultaneously. Performance will vary depending on slump, mix design and pipeline diameter. Specifications subject to change without prior notice.

\*Dimensions vary with different truck makes, models and specifications.

\*\*Weights are approximate and include pump, boom, truck, full hydraulic oil, full water tank, full fuel tank, and driver



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