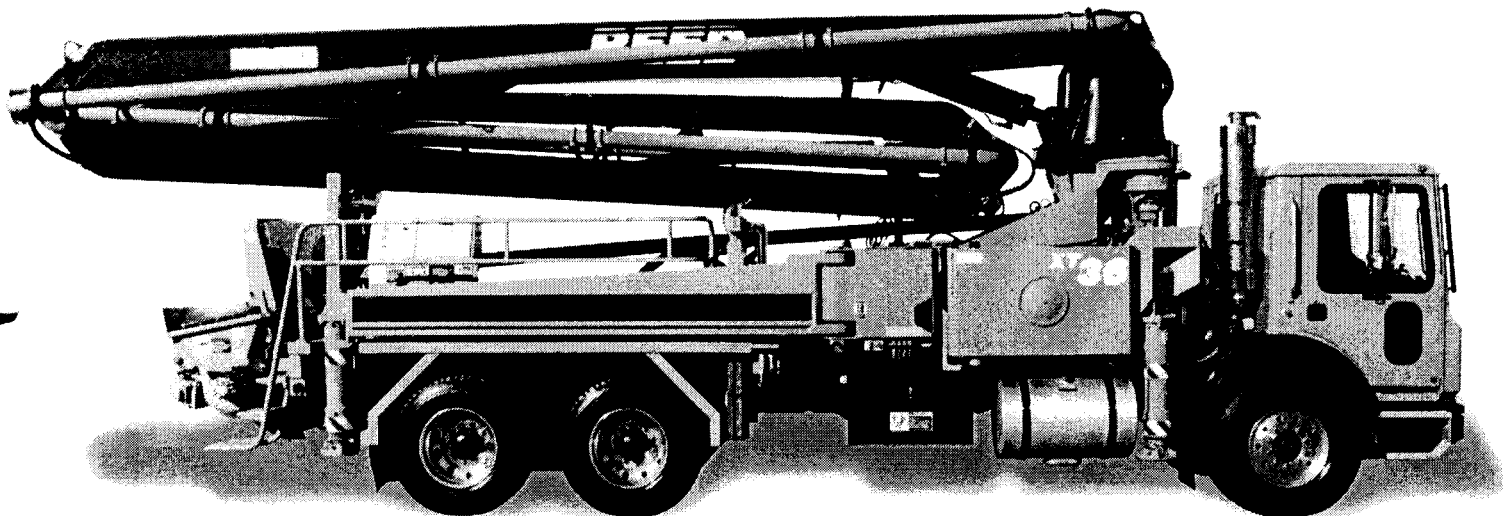




TRUCK - MOUNTED CONCRETE BOOM PUMP MODEL: XT 36 PARTS MANUAL



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.: _____

Date Delivered: _____

Customer: _____

NOTE: Additional copies of this manual (P/N: 802429) may be obtained through the **REED** Parts Department.

FIRST EDITION: AUGUST 2001
LAST EDITION: MARCH 2002
STARTING SERIAL NUMBER: 01-211



TRUCK MOUNTED CONCRETE BOOM PUMPS ONE • THREE • FIVE 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 One • Three • Five years from date of delivery based on the following conditions:

- One (1) year or 2400 pumping hours whichever comes first.
- Three (3) years covering all structural parts.
- Five (5) years covering the Solid State Black Box.

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.

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.

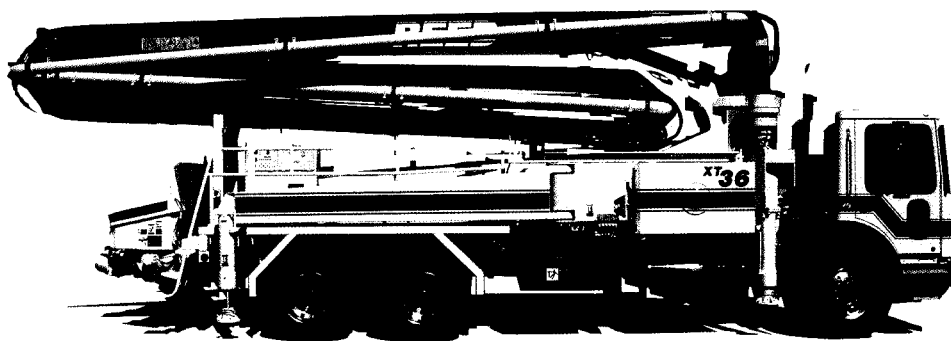
J.F. Shea Co.

REED • A Member of the Shea Family of Companies

REED

Model XT36

Truck Mounted 36-Meter Concrete Boom Pump



117 ft (36 m) Vertical Reach
200 yd³/hr (154 m³/hr)
1300 psi Concrete Pressure
4-Section Boom with 5"
(125 mm) Line
Centralized "X" Outrigger
and Boom Pedestal
Efficient, Rexroth A4V125,
Closed-loop, Over-center
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 27'9" (8.46 m).

Delivery Line: 5" (125 mm) delivery line with straight pipe sections and 90° elbows. Components are all readily available and bracket mounted for easy delivery line replacement.

Pedestal: Integrated outrigger and boom pedestal with small outrigger footprint. "X"-structure design eliminates stress or twist in truck frame. Heavy-duty, low friction, double-row ball bearing rotates the 4-section boom assembly through a 370° slewing range. Hydraulic oil tanks and water tanks located in pedestal area for improved weight distribution. Two spacious 11'6" (3.5 m) long decks for convenient storage of pipes and hoses.

Outriggers: Front and rear, fully hydraulic, "X"-type outriggers; only 20'4" (6.2 m) front width and 21'8" (6.6 m) rear width for quick setup. Front outriggers swing and telescope while rear ones swing-out only. Outrigger controls are located at the truck boom base. Unsurpassed stability while pumping.

Remote Controls: Lightweight, fully proportional remote control box with 115 ft (35 m) cable for smooth operation of all boom and pump functions. Fully proportional radio remote controls included as well. Remote and radio controls have identical patterns. Manual boom controls are conveniently located on the RH deck.

Clean-out: Hydraulically driven, high pressure 360 psi (25 bar) water pump with twin 130 gal (500 L) water tanks and hose.

Concrete Pump- Efficient, closed-loop hydraulic system using dual

Rexroth A4V125 hydraulic pumps for smooth, controllable pumping. Reduced boom bounce even when pumping at maximum output. Hard-chromed concrete cylinders and hard-faced wear parts precision machined for long life and tight sealing. Fully-variable volume control from 0 to 200 yd³/hr (0 to 154 m³/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 screen and splash guards are standard.

REED Solid State Black Box: Reliable technology for smooth, fast cycling. This eliminates the heat-generation problem of hydraulic cycling and the eventual failure of old-style conventional relays.

Model XT36

Truck Mounted 36-Meter Concrete Boom Pump

BOOM SPECIFICATIONS

XT36

Height & Reach		
Vertical Reach	117'5"	35.80 m
Horizontal Reach	105'0"	32.00 m
Reach From Front of Truck	96'5"	29.39 m
Reach Depth	81'9"	24.92 m
Unfolding Height	27'9"	8.48 m

4-Section Boom		
1st Section Articulation	96°	96°
2nd Section Articulation	180°	180°
3rd Section Articulation	180°	180°
4th Section Articulation	240°	240°
1st Section Length	28'3"	8.61 m
2nd Section Length	25'6"	7.77 m
3rd Section Length	25'6"	7.77 m
4th Section Length	25'7"	7.80 m

General Specs		
Pipeline Size (ID) Metric Ends	5.0"	125 mm
With Couplings	5.5"	140 mm
Rotation	370°	370°
End Hose: Length (Heavy-duty)	13'0"	4.00 m
Diameter	5.0"	125 mm
Outrigger Spread L-R-Front	20'4"	6.20 m
Outrigger Spread L-R-Rear	21'8"	6.60 m

PUMP SPECIFICATIONS

Output:	Rod Side	200 yd ³ /hr	154 m ³ /hr
	Piston Side	131 yd ³ /hr	101 m ³ /hr
Pressure:	Rod Side	1300 psi	90 bar
	Piston Side	1853 psi	128 bar
Hard-chromed Concrete Cylinders		Standard	Standard
Concrete Cylinder Diameter		9.0"	230 mm
Stroke Length		79.0"	2000 mm
Maximum Strokes per Minute:	Rod Side	31	31
	Piston Side	18	18
Hopper Capacity		23 ft ³	650 L
Volume Control		Zero to Full	Zero to Full
Hopper Grate Vibrator		Standard	Standard
Hydraulic System: RR A4V125		Closed-loop	Closed-loop
Hydraulic System Pressure		5000 psi	345 bar
Hydraulic Tank Capacity (Pump System)		100 gal	378 L
Hydraulic Drive Cylinders:	Rod Diameter	3.15"	80 mm
	Piston Diameter	5.51"	140 mm
Water Tank Capacity (Twin 130 gal tanks)		260 gal	1000 L
Maximum Aggregate Size		2.5"	63 mm

TRUCK MOUNTED SPECIFICATIONS*

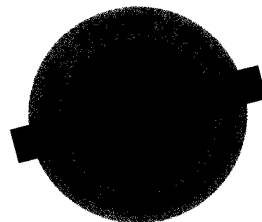
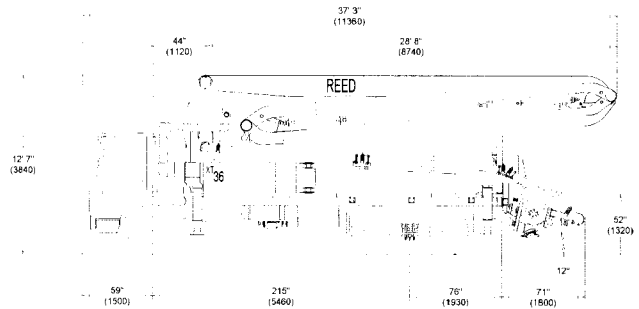
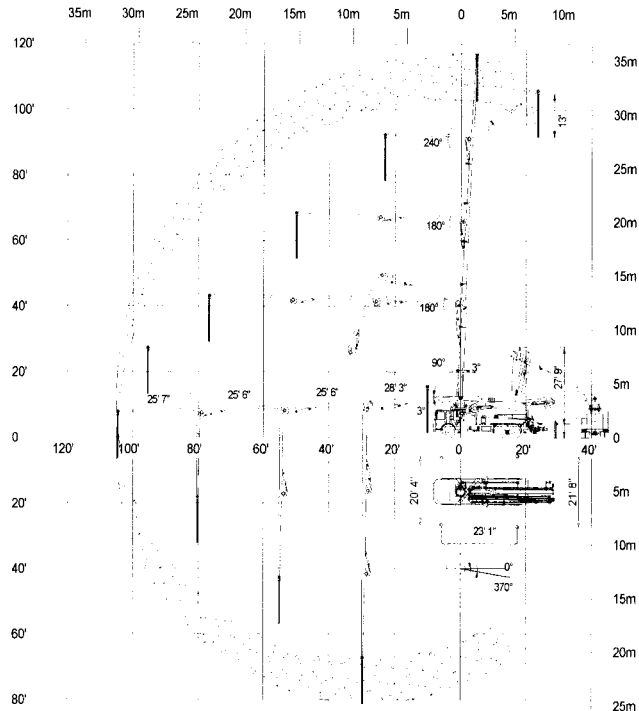
Truck Model: Mack MR 688S

Length	37'3"	11.36 m
Width	8'2"	2.49 m
Height	12'6"	3.81 m
Wheelbase	215"	5.46 m
Front Axle Weight (Approx.)	18,900 lbs	8,591 kg
Rear Axle Weight (Approx.)	37,900 lbs	17,227 kg
Total Weight (Approx.)	56,800 lbs	25,818 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.

Distributed By:



REED • A Member of the Shea Family of Companies
 13822 Oaks Avenue • Chino, California 91710-7008 USA • 909-287-2100
 Fax: 909-287-2140 • Toll-free: 888-779-7333 • www.reedpumps.com



XT 36 TRUCK - MOUNTED CONCRETE BOOM PUMP

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INTRODUCTION

A major factor in the minds of the operators and maintenance personnel should be use of the machine in a **SAFE** and **PROFICIENT** manner. This can only be accomplished by having a better understanding of the operation and maintenance of the **XT 36 TRUCK MOUNTED CONCRETE BOOM PUMP**.

This manual (Part Number: 802429) is provided to assist in accomplishing this goal. It is considered to be a **VALUABLE** tool for our **CUSTOMERS**. It includes an Operation Section, General Maintenance/Repair Procedures and Illustrated Parts Section. Everyone involved with the operation, maintenance and repair of the machine should be given and should take the opportunity to **READ** and thoroughly **UNDERSTAND** all sections of this manual. It is in their **BEST INTEREST** to do so.

The manual covers and is applicable to a **STANDARD EQUIPPED MACHINE**. Depending on the circumstances, it is possible some machines are supplied with various options and specialized equipment. **REED** has tried to incorporate in the manual the appropriate data for these machines. If by chance, service information is not found, it is suggested you contact the **REED SERVICE DEPARTMENT**, which will forward the proper information if available.

All product descriptions, illustrations and specifications found throughout this manual were in effect at the time the manual was released for printing. It should be noted **REED RESERVES THE RIGHT TO MAKE CHANGES IN DESIGN OR TO MAKE ADDITIONS TO OR IMPROVEMENTS IN THE PRODUCT WITHOUT IMPOSING ANY OBLIGATIONS UPON ITSELF TO INSTALL THEM ON PRODUCTS PREVIOUSLY MANUFACTURED**.

NOTE

If you have not yet done so, please record the SERIAL NUMBER of your XT 36 on the cover page of this manual. Throughout this manual, reference may be made to the serial number. When talking to our SERVICE DEPARTMENT or ORDERING PARTS, use of the serial number will assist us in giving prompt and accurate response and service.

REED

**XT 36 TRUCK - MOUNTED
CONCRETE BOOM PUMP**

GEN'L

PAGE 02

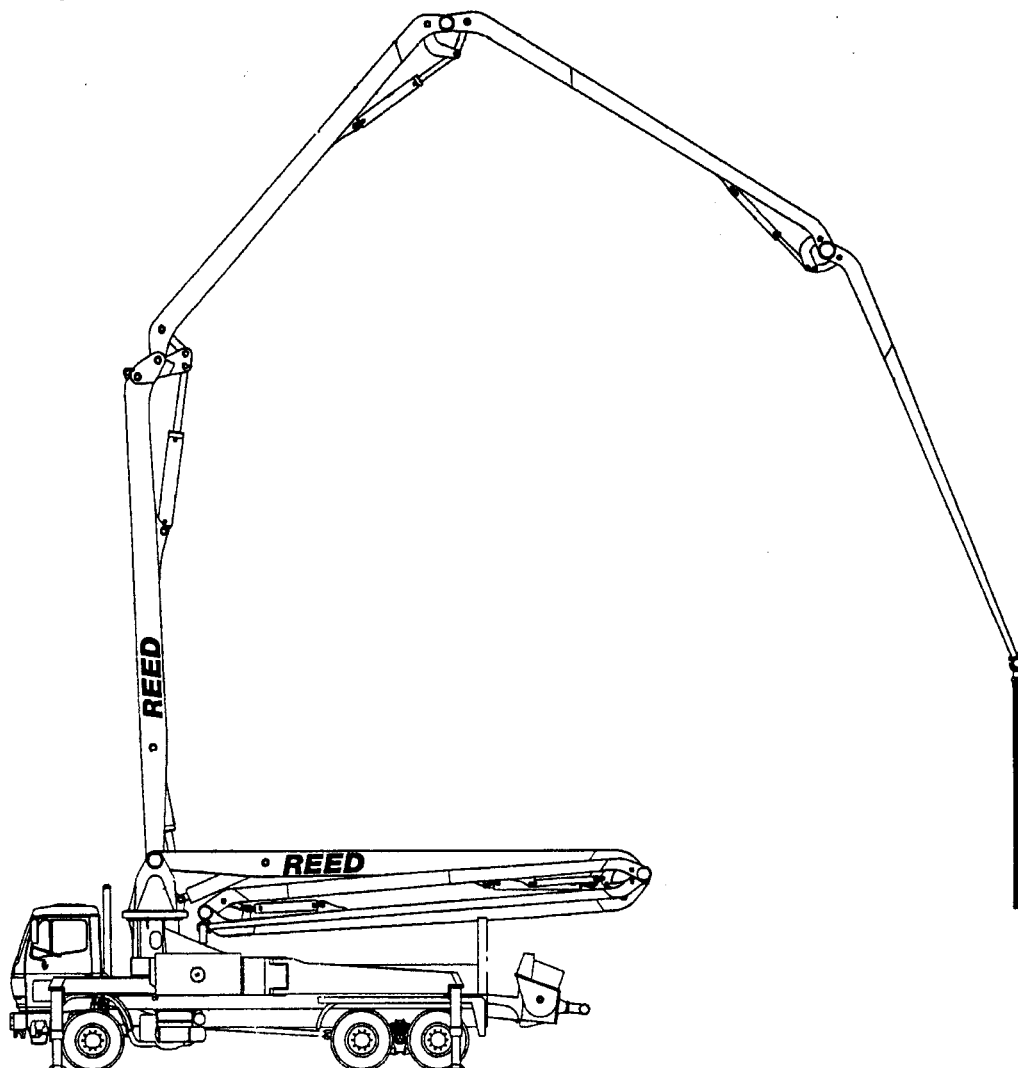
SPECIFIC ITEMS PERTINENT

REVISION:

PRODUCT DESCRIPTION

The **MODEL XT 36** is a 36 meter (117 ft.) **TRUCK MOUNTED CONCRETE BOOM PUMP**. Its operation encompasses the use of hydraulic and electrical systems. The machine is designed to pump wet concrete through a delivery system of pipes and hoses attached to a 4 section roll-and-fold boom. It is of rugged construction and durable design enabling the unit to pump even the harshest mixes within its published ratings and specifications.

The **XT 36** super structure is mounted on a heavy duty truck chassis, which provides mobility for on-off highway use. The chassis is a three (3) axle type having a GVW rating of 64,000 lbs (29,025 kg). The front axle is rated for 20,000 lbs (9,070 kg) while the rear axle is rated for 44,000 lbs (19,955 kg). Stability of the unit during operation of the boom is provided by two (2) sets of outriggers, one set at the front telescopes out while the set at the rear swing out.



The power for operation of the boom and concrete pump is provided by the chassis engine, which drives the hydraulic pumps through a power take-off (PTO). One pump is used to supply the required hydraulics for operation of the boom functions and the other pumps are used for operation of the concrete pump.

The **MODEL XT 36** employs the S-tube design delivery system. This system incorporates two (2) material cylinders, powered by two hydraulic cylinders that operate alternately. With concrete material in the hopper and pump operating, one material cylinder retracts sucking or drawing the material back inside the cylinder. At full retraction of the cylinder, a signal is sent to the S-tube swing cylinders causing the S-tube to shift over to the fully loaded material cylinder. The piston of the loaded cylinder then moves forward, pushing the material out through the S-tube and into the delivery lines. The shifting from one cylinder to the other cylinder continuously takes place providing a continuous flow of material through the delivery piping system. The hopper has a capacity of 23 cu. ft (650 L) and the material cylinders are 9 inches (230 mm) in diameter.

The boom assembly is a four (4) section articulated type having a maximum vertical reach, ground level to tip, of 117 feet (36 m). The pedestal structure is mounted directly behind the chassis cab and is equipped with a rotational mechanism incorporating a low friction double row rotational bearing. The mechanism allows for 370° non-continuous rotation with a minimum of boom backlash or whip. Each boom section can be operated independently through the pre-established design articulation parameters of each section movement. A 5 inch (125 mm) steel pipe delivery line is installed from the hopper discharge outlet, up through the pedestal and attached along side of the boom sections. A 5" x 13 foot (125 mm x 4m) heavy duty end hose is provided to facilitate concrete placement.

Stability of the unit during boom operation is obtained by use of two (2) sets of hydraulic powered outriggers, each with a vertical leveling jack. The front outriggers, located at the pedestal, telescope out while the rear outriggers, having their pivot located just ahead of the rear axle, swing out from the side of the structure.

Controls for operation of the outriggers are located on the curb (right) side of the chassis, near the rear outrigger pivot. A second set of controls for the outriggers only is located on the street side (left) of chassis. These controls are manual directional type. The boom functions controls are located on top of the curb side deck, near outrigger pivot. These can also be operated from the remote control console.

The pump can be operated at the pump control station on the chassis bed or can be operated from the remote control console. The remote console is easily portable and contains a carrying strap to facilitate using both hands when required.

TECHNICAL DATA - SPECIFICATIONS

MOBILITY DATA

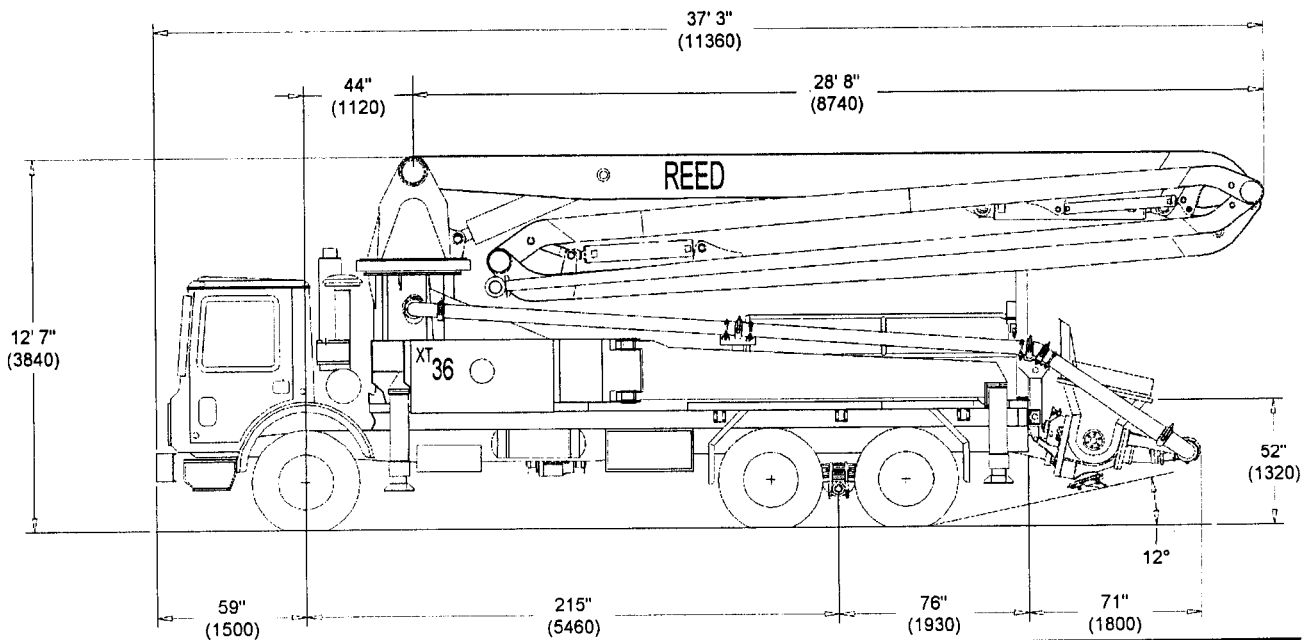
U.S.

METRIC

• Overall Travel Length	37 ft - 3 in	11.36 m
• Overall Travel Height	12 ft - 8 in	3.81 m
• Overall Travel Width	8 ft - 2 in	2.49 m
• Chassis Wheel base	215 in	5.46 m
• Departure Angle	13°	13°
• Gross Vehicle Weight (GVW)	55230 lbs (approx.)	25052 kg (approx.)
• Front Axle Weight	19430 lbs (approx.)	8813 kg (approx.)
• Rear Axle Weight	35800 lbs (approx.)	16239 kg (approx.)

NOTE

Above data is based on using a Mack Model MR690S chassis.



BOOM SPECIFICATIONS**U.S.****METRIC**

• Type	Four (4) Section Articulated	
• Vertical Reach, Height	117'-5"	35.80 m
• Horizontal Reach from C Rotation	105'	32.00 m
• Net Reach from Front of Truck	96'x5"	29.39 m
• Below Ground Reach	81' - 9"	24.92 m
• Unfolding Height	27' - 9"	8.46 m
• Rotation (Non-Continuous)	370°	370°
• Section #1 Articulation	96°	96°
• Section #2 Articulation	180°	180°
• Section #3 Articulation	180°	180°
• Section #4 Articulation	240°	240°
• Section #1 Length	28' - 3"	8.61 m
• Section #2 Length	25' - 6"	7.77 m
• Section #3 Length	25' - 6"	7.77 m
• Section #4 Length	25' - 7"	7.80 m
• Delivery Pipe Diameter	5"	125 mm
• End Hose - Diameter & Length	5" x 13'	125 mm x 4 m
• Front Outrigger Spread	20' - 4"	6.20 m
• Rear Outrigger Spread	21' - 8"	6.60 m

PUMP SPECIFICATIONS**U.S.****METRIC**

• Max. Output - Rod Side	200 yd ³ /hr	154 m ³ /hr
- Piston Side	131 yd ³ /hr	101 m ³ /hr
• Max. Pressure - Rod Side	1300 psi	90 bar
- Piston Side	1853 psi	129 bar
• Max. Strokes P/Min - Rod Side	31	31
- Piston Side	18	18
• Stroke Length	79 "	2000 mm
• Concrete Cylinder Diameter	9"	230 mm
• Variable Volume Control	0 to Full	0 to Full
• Hopper Capacity	23 ft ³	650 L
• Maximum Aggregate Size	2.5"	63 mm
• Hydraulic System Type	Closed Loop	Closed Loop
• Hydraulic System Pressure	5000 psi	345 bar
• Hydraulic Tank Capacity (Pump)	100 gal	378 L
• Hydraulic Drive Cylinders - Rod Dia.	3.15"	80 mm
- Piston Dia.	5.51"	140 mm
• Water Tank Capacity	130 gal	500 L

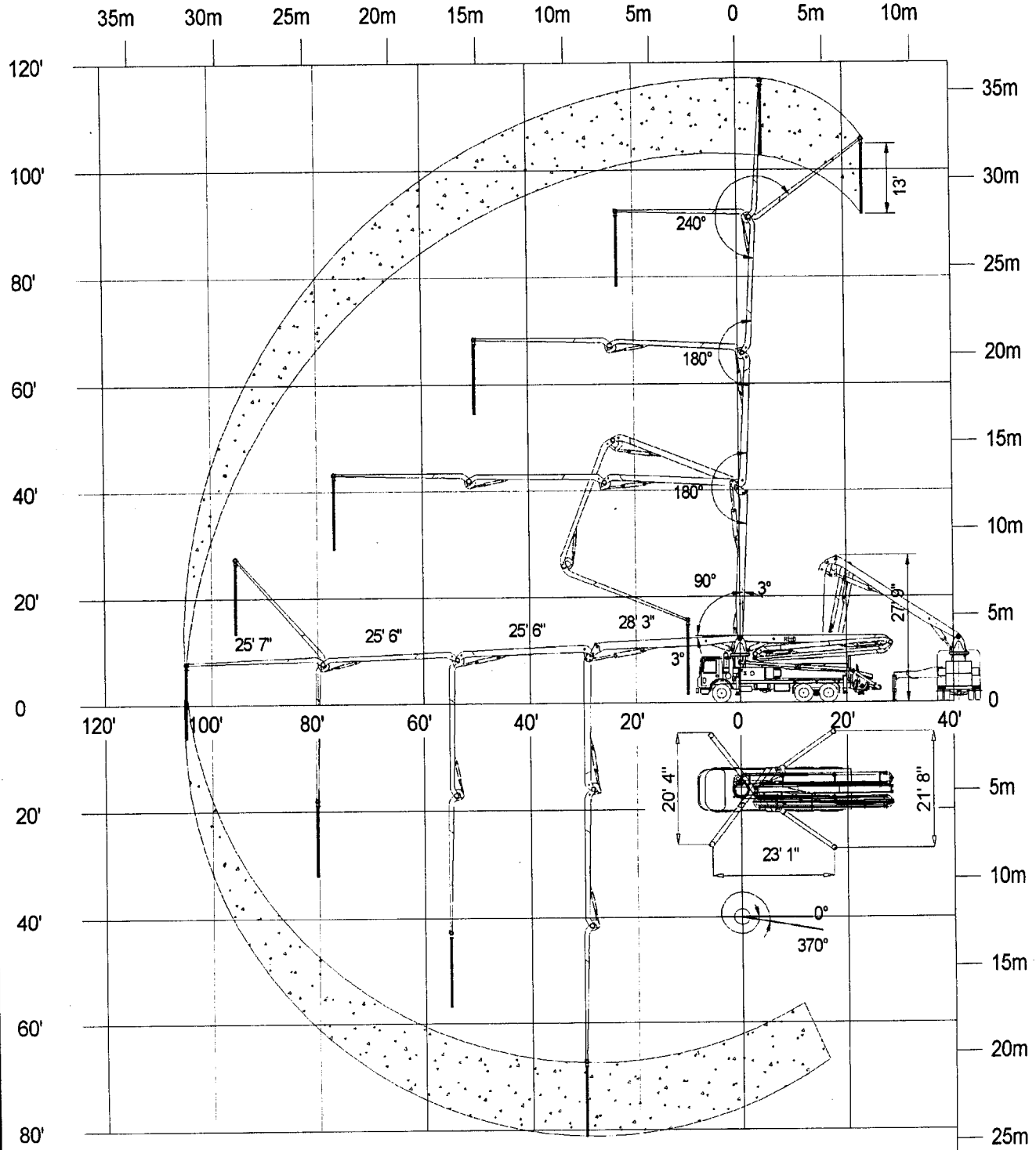


XT 36 TRUCK - MOUNTED CONCRETE BOOM PUMP

GEN'L

PAGE 07

BOOM OPERATIONAL ENVELOPE (CONFIGURATION)



REVISION:

ADVISORY LABEL LOCATION

Cautionary signal word (Warning-Caution) may appear in various locations throughout this manual. Information accented by one of these signal words must be observed to minimize the risk of personal injury to service personnel, or the possibility of improper service methods which may damage the pump or render it unsafe. Additional Notes are utilized to emphasize areas of procedural importance and provide suggestions for ease of repair. The following definitions indicate the uses of these use of these advisory labels as they appear throughout the manual:

▲ CAUTION

Directs attention to unsafe practices, which could result in damage to equipment and possible subsequent personnel injury or death if proper precautions are not taken.

▲ WARNING

Direct Attention to unsafe practices, which could result in personnel injury or death if proper precautions are not taken.

NOTE

An operating procedure, practice, condition, etc., which is essential to emphasize.



SAFETY AWARENESS AND PRECAUTIONS

The **MODEL XT 36** concrete placing boom is only to be used for the purpose for which it was manufactured. This purpose is the placing of concrete or other material of a plastic consistency having a specific weight of not more than 2.4 kg/dm^3 . The diameter of the delivery pipeline and the length of the end placing hose as noted on the **CODE PLATE** are the maximum **PERMISSIBLE** sizes and are not to be **EXCEEDED**.

All personnel assigned to operate, repair or troubleshoot the **MODEL XT 36** must be thoroughly familiar with this Technical Manual (P/N: 802429). For the protection of yourself and others around you, it is of utmost importance that the **WORK** be done **SAFELY**. One of the best ways to accomplish this is to fully **UNDERSTAND** and **KNOW** the job you do. If there is any doubt about that what you are doing is **UNSAFE**, even marginally, obtain assistance from other trained/qualified personnel.

During operation, troubleshooting or repair, problems may arise or be encountered that seem singular but may in fact be due to several causes. These need to be sorted out and identified before proceeding with the task at hand. The information contained in this technical manual can be used to assist in the safest and best manner of operating and repairing the **MODEL XT 36**. However **YOU** and **ONLY YOU**, must take the initiative to make yourself thoroughly familiar with the contents of this manual.

Because your job is to operate the equipment does not prevent you from focusing some attention on the maintenance and troubleshooting aspect of the unit. Just being aware of some tell-tell signs, unusual noises or a tweak here or there may enable you to complete the pumping job instead of shutting down and losing all that concrete.

▲ WARNING

**DISENGAGE POWER TAKE OFF (PTO) BEFORE
TURNING OFF ENGINE.**

▲ CAUTION

**THE CONCRETE PLACING BOOM MUST NEVER
BE USED AS A CRANE. During operation of the
unit NO PROTECTIVE DEVICES are to be
REMOVED and NO SAFETY LOCKOUTS are to be
DISCONNECTED.**

-----T H I N K S A F E T Y -----T H I N K S A F E T Y -----

No matter how often it is said or pointed out, there are people who have a tendency to **IGNORE** safe operation until it becomes too **LATE**. Don't be this type of person. Keep **SAFETY** utmost in your mind.

The following points out some pretty **COMMON** conditions and situations, which you might encounter at one time or another. **BE ALERTED** to these and try to **PREVENT** the inevitable. They may seem simple but are often the **MOST OVERLOOKED**.

- Use only qualified operators who know the machine
- Use only qualified maintenance personnel who understand the systems
- Wear protective equipment and helmets
- Keep work area clear of unauthorized personnel
- Before leaving chassis cab, set parking brake
- Chock all wheels
- Extend and set outriggers and jacks
- Level truck on uneven terrain or slopes
- Avoid operation near electrical power lines. Keep at least 17 ft. (5.1m) away from electrical lines
- Observe boom when raising or lowering that no obstructions are in its path.
- Do not operate pump or boom in traffic lanes. Always place cones and barricades around truck
- Do not use the boom as a crane
- Don't increase the boom capacity by increasing the size of the delivery line
- Don't increase the diameter size or length of tip hose
- Make sure boom and outriggers are properly stored before moving truck
- Always keep walkways and deck areas clean and neat.

- Don't clean, lubricate or make adjustments while boom is in operation.
- Keep safety decals and operation instructions legible
- Do not alter or disconnect safety devices
- Maintain specified tire pressure
- Report items that need attention or require service
- Disengage PTO before making any adjustment or repairs to unit

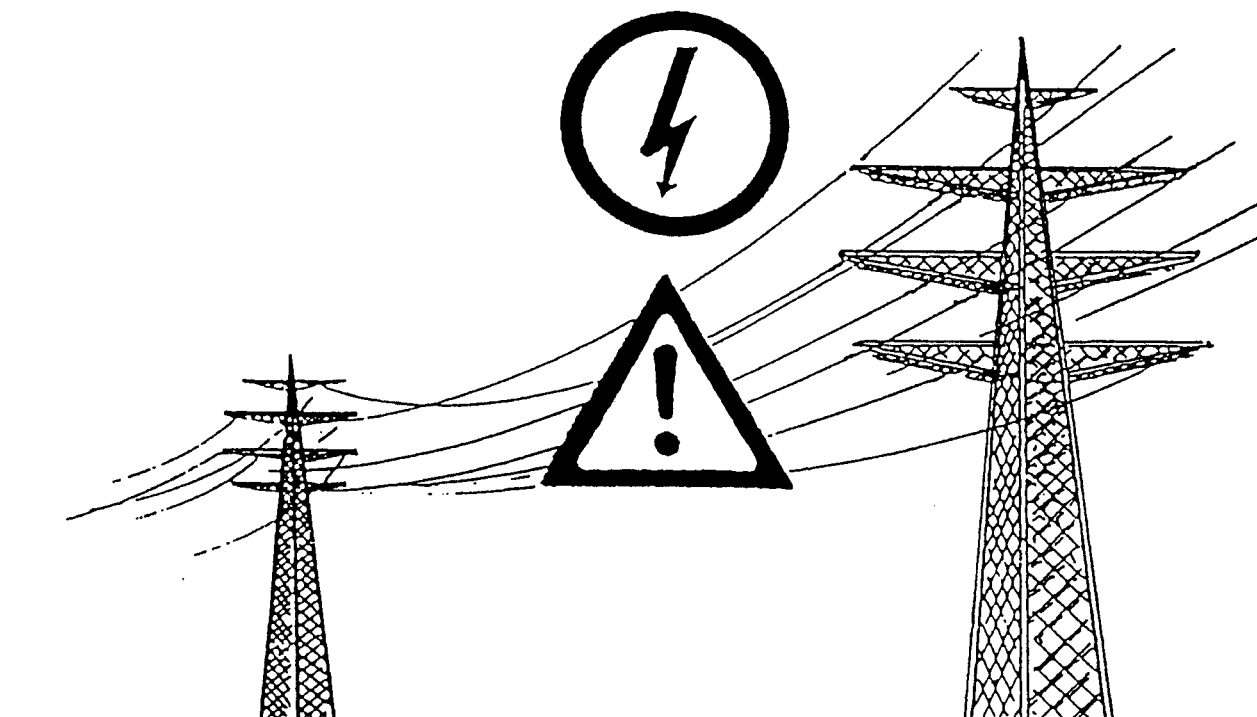
▲ WARNING

***BETTER SAFE THAN SORRY - DON'T TAKE CHANCES
THAT COULD CAUSE INJURY TO YOU AND/OR OTHERS***

- Never **REMOVE** the hopper grill cover when the pump is in **OPERATION**. It protects against accidental contact with the agitator and other moving parts inside the hopper
- Never enter the hopper with any parts of your body. It is a **DANGER** area and physical **INJURY** can occur even if the engine is shut-down.
- The concrete delivery system should not be **OPENED** without relieving the pressure. This can be done by reversing the pump and pumping backwards.
- Hydraulic oil systems can be dangerous. Know the circuit you are repairing, it may contain high pressure and injury could occur. If in doubt, stop the machine and allow sufficient time for the oil pressure to zero. Check system pressure gauge.
- Do not pour material into the hopper without having the grate in place. Operator must monitor material being dumped into the hopper, keeping a watchful eye out for unmixed or dry concrete, sticks, pieces of metal and other foreign objects.

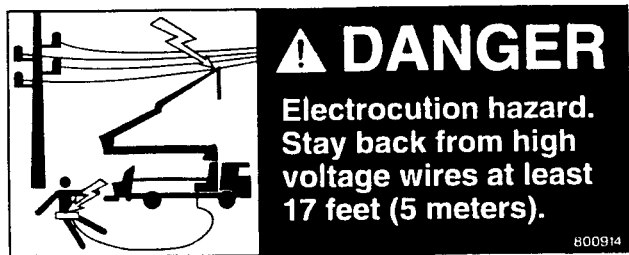
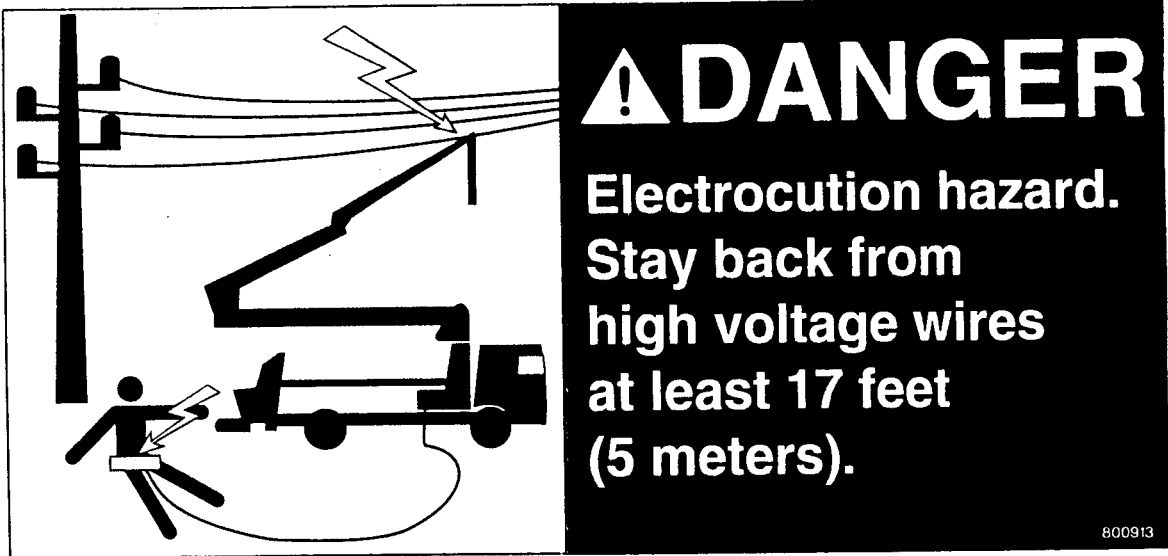
**YOUR SAFETY IS OUR UTMOST CONCERN
AND YOUR RESPONSIBILITY**

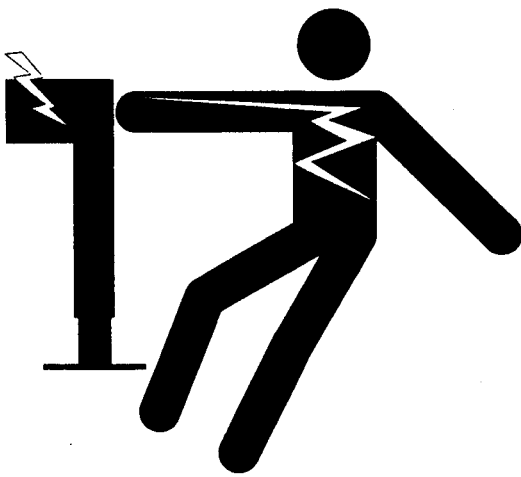
**UNLAWFUL TO OPERATE
THIS EQUIPMENT
WITHIN 17 FEET OF
HIGH VOLTAGE LINES**



SAFETY ALERT DECALS

DANGER ----- **CAUTION** ----- **WARNING**
decals are designed for your protection. They are placed at appropriate areas on the machine to be constant reminders of the ever-present dangers. Know and adhere to the information they provide.





! DANGER

Stay clear.
Contact will result in
death or serious injury
if the unit becomes
electrically charged.

800915

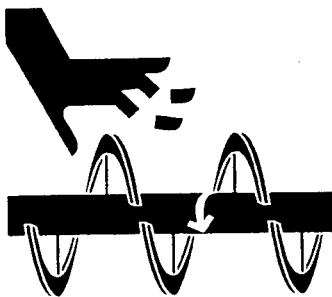


! WARNING

Keep hands out of
waterbox.
Stop engine/motor if
access is required.
Keep guards in place.

800916

! WARNING



Keep hands out
of hopper and
valve assembly.
See operation
manual if access
is required.

800917

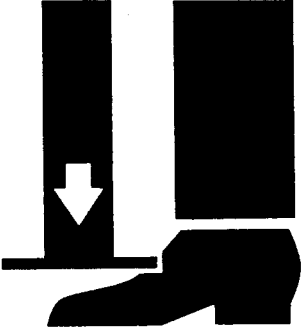
! WARNING



Do not stand on
hopper grates.

800918

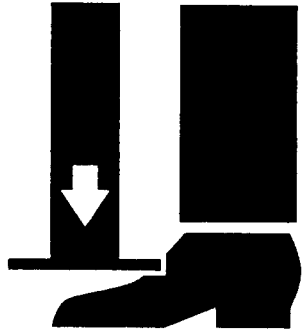
▲WARNING



Stand clear of outriggers when activating.


800919

▲WARNING



Clear area before activating outriggers

800920



▲WARNING

Do not operate at pressures exceeding the rating of the entire material delivery system.

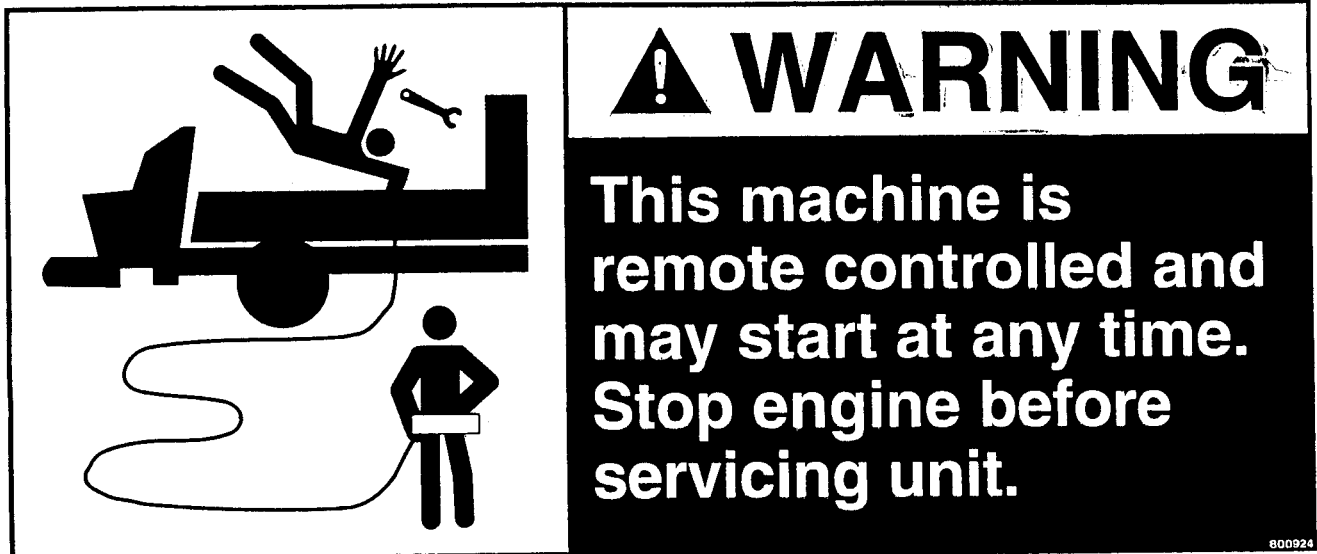
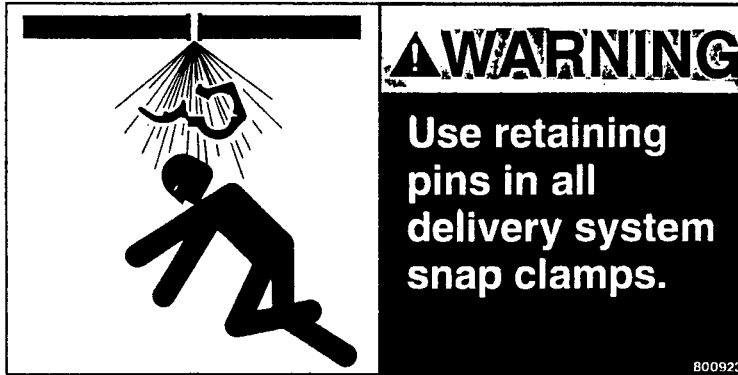
800921



▲WARNING

Before opening a blocked pipeline, relieve pressure by reversing pump. See manual.

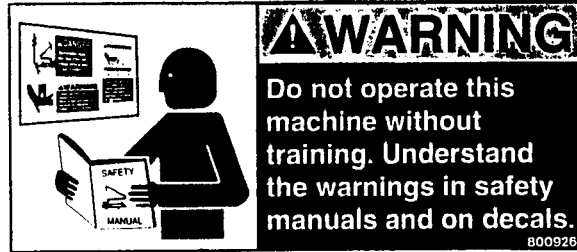
800922





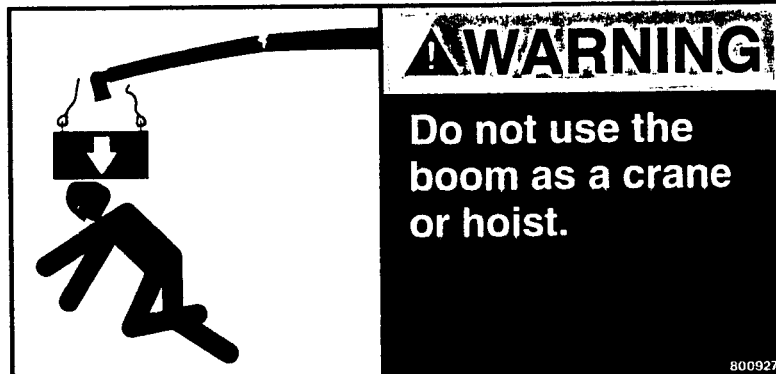
Do not operate this machine without training. Understand the warnings in safety manuals and on decals.

800925



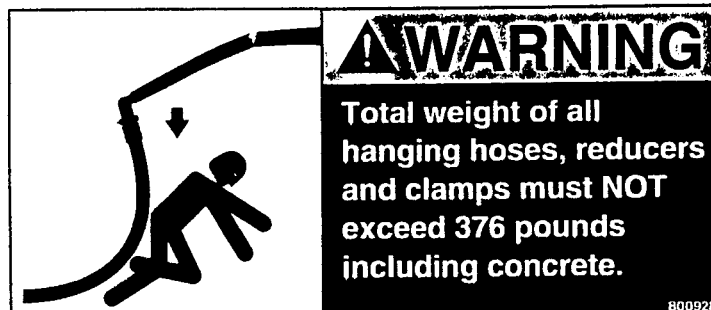
Do not operate this machine without training. Understand the warnings in safety manuals and on decals.

800926



Do not use the boom as a crane or hoist.

800927
















Total weight of all hanging hoses, reducers and clamps must NOT exceed 376 pounds including concrete.

800928

CUIDADO ⚠ WARNING

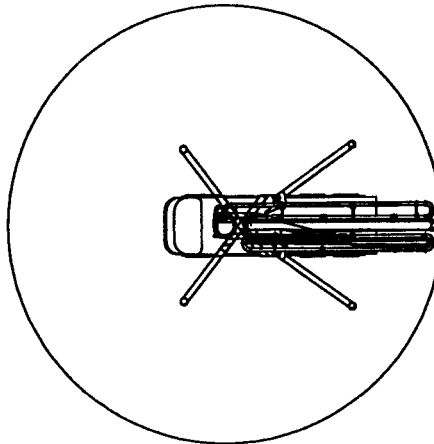
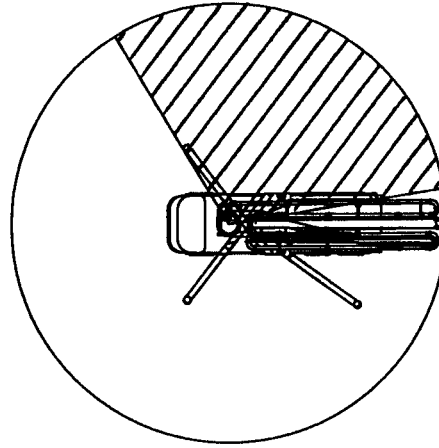
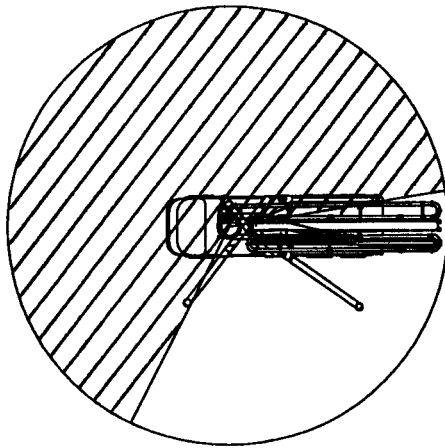
		
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800929

	 <p>1. BOOM UP</p>	 <p>2. BOOM DOWN</p>	 <p>3. BOOM LEFT</p>	 <p>4. BOOM RIGHT</p>	 <p>5. OPEN OR EXTEND BOOM</p>	 <p>6. CLOSE OR RETRACT BOOM</p>
	 <p>7. STOP BOOM</p>	 <p>8. START PUMP SPEED UP</p>	 <p>9. SLOW PUMP DOWN</p>	 <p>10. STOP PUMP</p>	 <p>11. LITTLE BIT</p>	 <p>12. ADD WATER 4-GALLONS</p>



! WARNING

REED MODEL XT36*TYPICAL OPERATING CONFIGURATIONS*

 NON-OPERATING AREA

Do not operate boom in this area due to danger of tipover.
Boom must be folded when rotating to operating area.

 OPERATING AREA

Outriggers must be fully extended and opened as shown.
All four outriggers must be set on firm level ground.
Chassis must be level side to side and front to rear.

PN 801442

OPERATOR QUALIFICATIONS

Making the choice for an operator is a vital decision as it affects safety and productivity. The **MODEL XT 36** has been thoroughly inspected and tested by the **REED** Quality Control Department prior to shipment. The design of the unit incorporates several built-in safety features and also allows for an average skilled person to readily become proficient in the safe operation of the **MODEL XT 36**. The unit is a pressurized concrete boom pump and can be potentially **DANGEROUS** in the hands of **UNTRAINED OR CARELESS OPERATORS**.

Knowing the characteristics of the machine and function of the controls are important to **SAFE, PROPER OPERATION** and **USE**.

It is the responsibility of all users to read and comply with the following rules and information designed to promote **SAFETY** and **UNDERSTANDING** of the **MODEL XT 36** boom pump.

- The first requirement for any user/operator is to obtain a thorough understanding of the operating characteristics and limitations of the machine. This should not be overlooked regardless of their prior experience with similar type equipment.
- Only **QUALIFIED TRAINED** personnel who have been authorized must be allowed to operate the **MODEL XT 36**. A Qualified Trained Operator is one who has **READ** and **UNDERSTOOD** the instructions in this manual and is thoroughly familiar with the operating characteristics and limitations of the machine.
- Individuals who cannot **READ** and **UNDERSTAND** the signs, warnings, notices and operating instructions that are part of the job, in the language in which it is printed **MUST NOT BE ALLOWED** to operate the **MODEL XT 36**.
- Know and follow all cautions, warnings and operating instructions on the machine.
- Repair and adjustments must only be made by **QUALIFIED TRAINED** personnel.
- No modification is to be made to the machine without prior written consent of the **REED** Customer Service Department.
- Attach a **SIGN-OFF** sheet on the unit to enable the operator to report any damage, defects, problems or accidents to his work supervisor.
- Understand and **OBEY** all applicable Local and Government statutes and regulations applying to safe operation and use of concrete pumping machines.

**AN UNKNOWING OPERATOR IS AN UNSAFE OPERATOR
AND A SORRY OPERATOR**