



JOB NUMBER: VL9220

### BUILD ORDER

SALE	CONSIGNMENT	DEMO	RENTAL	ORIGINATED BY:
CE <u>101207-001</u>	X1- _____	X2- _____	X3- _____	

CUSTOMER: M & M Concrete Pumping ORDER DATE: 10/11/07

MODEL: XXT37R COMPLETION DATE: \_\_\_\_\_

SERIAL #: 07-260 VIN #: 1mak189c15m028211

PART #: XXT37.4R-V02

OPTIONS / INSTRUCTIONS:

Colors  
Red  
White

4 in tip hose change out

(1) ENGINEERING (Specials Only): \_\_\_\_\_ DATE

(2) PRODUCTION CONTROL: MP 10/12/07 DATE

Copy to: PRODUCTION (Build Order Only)  
CUSTOMER SERVICE  
ACCOUNTING (Original attached to Order Acknowledgment)

Truck



**SALES ORDER**

CE101207-001

<b>TO:</b>	<i>m+m Concrete Pumping</i>	<b>DATE:</b>	10/01/07
<b>ATTN:</b>	Martin Meloche <i>652000</i>	<b>QUOTE NUMBER:</b>	MELOXXT374R-100107
	2216 Canon Road	<b>QUOTE VALID:</b>	30 Days
	Ottawa, ON K0A 3E0	<b>PAYMENT TERMS:</b>	See Equity Purchase plan.
<b>CELL:</b>	(613) 229-2445	<b>AVAILABILITY:</b>	Stock, subject to prior sale.
<b>PHONE:</b>		<b>DELIVERY TERMS:</b>	FOB Chino, CA
<b>FAX:</b>		<b>FREIGHT:</b>	Freight Additional, Brokerage paid by Reed.
	<b>EQUIPMENT SUBJECT TO PRIOR SALE</b>	<b>SALESPERSON:</b>	Paul Sulman

**REED Model XXT37.4R "Dragonfly" Truck-Mounted Concrete Boom Pump**

**Boom Specification: (2007 model)**

- 120 ft (36.6 M) Vertical Reach, 107' (33 M) Horizontal Reach, Four-Section Boom
- Patented Dragonfly XXT Dragonfly Outriggers for Maximum operational range in all situations
- Section articulation (A / B / C / D): 93° / 180° / 180° / 230°; Slewing Range 370°
- 5" (125mm) Delivery Line (ConForms "Ultra 3")
- Unfolding Height of 27' 9" (8.48 M)
- Outrigger Spread L-R-Front of 20' 4" (6.2 M); L-R-Rear of 21' 8" (6.6 M)
- Proportional Controls for both Radio **AND** Hard Wire Remotes

**Pump Performance:**

- Max. Theoretical Output, Rod Side.....200 cu yds/hr (153 m³/hr)
- Max. Theoretical Concrete Pressure, Rod Side.....1300 psi (90 bar)
- Max. Aggregate Size.....2½" (63 mm)

**Pump Specifications: (2007 model)**

- S-Tube 9" x 8" (230 mm x 203 mm); Twin Shifting Cylinders
- Hard-Chromed Concrete Cylinders With Auto Lube, 9" x 79" (230 mm x 2000 mm)
- Twin Rexroth A4V125 Closed Loop Hydraulic System
- Suction Filters and Charge Pump Hydraulic Oil Filters
- 19.5 cubic feet (550 Liter) Harsh Mix Hopper with Auger Type Remixer
- REED Solid-State Black Box Controls
- Dual Hydraulic Oil Tanks, Two Tool Boxes

**Truck Specifications (Brand New 2005 model):**

- Mack Truck MR688S with E7-350 Engine, 350HP; 215 Inch Wheelbase (400HP also available)
- Mack T-2090 9-Speed Transmission, Bronze Rear Suspension Bushing
- Air Brakes; 80-Gallon (303 Liter) Fuel Tank; Aluminum Wheels, Jake Brake, A/C, Radio
- Front Axle Mack FAW20 at 20,000 lbs., Rear Axle Mack S44 Multileaf at 44,000 lbs.

**Optional Equipment:**

**Choice:**

5" (125 mm) OR 4" (102mm) diameter tip hose?	4"
Painted Red and White	Included
Water tank heater	<del>\$1,100.00</del>

**Sales Summary:**

Pump and Optional Equipment Price:	\$
Mack Truck	
Estimated Freight, Extra	
<b>Total Net Selling Price US Funds:</b>	
<b>Price includes start up training by REED factory technician at your location</b>	

Any Sales Tax, Fees, Permits, License, Registration are add'l  
 Accepted By: *Martin Meloche* Date: *02 Oct 2007*

Accepted By: \_\_\_\_\_  
**REED, LLC**

*Jean K  
 CSF  
 Spulethay AR*

7 hr show machine

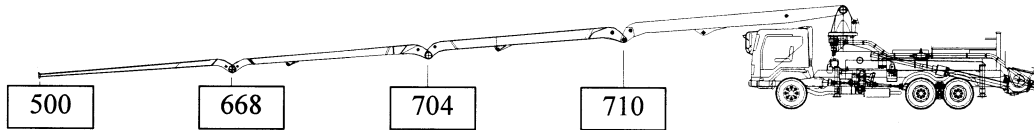
3-07-06

# BOOM AND OUTRIGGER STABILITY TESTS 37 Meter 4 Sections R-Fold

Date:	Verify Machine Model: <u>XFT37-4R</u>	REED Serial #: <u>07-260</u>
Customer:	Truck VIN: <u>1M2K18945M02821</u>	Truck Serial #:
Work Order #:	WZ Serial #: <u>205244</u>	

## BOOM STABILITY TEST

Boom Manufacturer:	Boom Serial #
Pedestal Manufacturer:	Pedestal Serial #



STABILITY TEST ACTUAL WEIGHTS (With Pipeline / WithOUT End-hose in LBS)

D 500 C 660 B 700 A 710

Checked: [Signature]

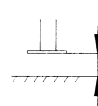
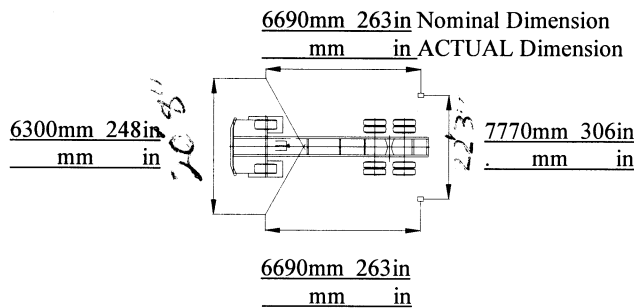
## TIME AND PRESSURE TESTS

	Element D	Element C	Element B	Element A	Rotation
	45 sec	70 sec	105 sec	80 sec	147 sec
Time UP					
Time DOWN					
Head Side Pressure	280 bar	330 bar	280 bar	280 bar	160 bar
Rod Side Pressure	330 bar	330 bar	330 bar	330 bar	160 bar

Check for Section Minimum Drift and Holding Valve Leakage Under Load

Checked: \_\_\_\_\_

## OUTRIGGER STABILITY TESTS



Outrigger Foot Lift		
FRONT	REAR	
in	in	RIGHT
in	in	LEFT

	Leakage Check		Leakage Check
Right Front Jack Cylinder		Left Front Jack Cylinder	
Right Front Telescope Out		Left Front Telescope Out	
Right Front Swing Out		Left Front Swing Out	
Right Rear Swing Out		Left Rear Swing Out	
Right Rear Jack Cylinder		Left Rear Jack Cylinder	

Checked: [Signature]

TEST RESULTS:	<u>OK</u>
NAME: <u>Deane Ramos</u>	DATE: _____
SIGNATURE: <u>[Signature]</u>	DATE: <u>3/13/07</u>

JOB #	XT90-160 <del>XT90-160</del> <del>XXT-37-4R</del> SN# 07-260-XXT37-4R	
	customer:	
VL	BOOM MAKE UP PIPE LENGTHS	
9220	ARM	LENGTH
	A	91 3/8"
	B	58"
	B-C	
	C	57"
	C-D	
	D	49 1/2"
	E	
	PIPE TYPE (Ultra III or Normal?)	
	ULTRA III	
	TIP HOSE SIZE	
	SPECIAL ELBOWS	
	Turret	PART #
	A sect	801102
	A sect	B sect
	B sect	C sect
	C sect	D sect
	D sect	E sect
	DECK MAKE UP PIPE LENGTHS	
	PIPE	LENGTH
	#1	7 1/2"
	#2	102 1/4"
	#3	
	SPECIAL ELBOWS	
	TURRET PIPE	
	DECK DELIVERY LINE COMPONENTS	
	HOPPER ELBOW	PART #
	ELBOW 6"	803024
	REDUCER	803025
	SPECIAL TURRET ELBOW	803026
	RADIO REMOTE SERIAL NUMBER	SERIAL #
	RADIO REMOTE	
	CABLE REMOTE	
	TRUCK	SERIAL #
		1M2K189CJ5M028211
	BOOM SIZE	SERIAL #
	<del>XT90-160</del>	205244
	BOOM SIZE--XXT-37R	SERIAL #
	PEDESTAL	
	A SECTION	N 86 09
	B SECTION	N 86 08
	C SECTION	N 86 09
	D SECTION	H 86 09
	E SECTION	

MAST

N 85 08

07-260-XX737-4R  
 VL-9020 Mounted

**CHASSIS INSPECTION CHECK LIST**

MFG \_\_\_\_\_ MODEL MACK VIN 1M2Y89C15H02821

DESCRIPTION	✓	DESCRIPTION	✓	DESCRIPTION	✓
<b>A-CAB</b>	✓	• Mirrors RH & LH	✓	<b>F-PAINT</b>	✓
• Lift/Tilt w/Pump	✓	• Parking Brake w/Light	✓	• Cab Ext-Mack White	✓
• Cigar Lighter	✓	• Mud Flaps-24"-Frnt Fender	✓		
• Dome Light w/SW	✓	• Radio AM-FM	✓		
• Door-Slide Type Window	✓	• Antenna-Roof Mtd.	✓	<b>G-INFORMATION</b>	
• Fenders-Cab	✓	• Seat-Driver Air Susp.	✓	• Manuals-Protection Plan Service	✓
• Floor Mats-Rubber	✓	• Seat-Rider Fixed	✓	• Safety Kit	✓
• Gauges	✓	• Seat Belts-Lap & Shoulder	✓		
• Dual Air Pressure	✓	• Turn Signal Switch - Manual	✓		
• Voltmeter	✓			<b>H-MISCELLANEOUS</b>	
• Eng. Coolant Temp.	✓			• Exterior Paint Damage	✓
• Eng. Oil Pressure	✓			• Window Damage	✓
• Fuel Level	✓			• Dents	✓
• English Display	✓	<b>B-FRAME-FUEL TANK</b>	✓		
• Speedometer w/Trip Odometer	✓	• Bumper Channel Type Extended 63"	✓		
• Eng. Tach w/ Hourmeter	✓	• Towing Device Frt-Pin	✓	<b>I-DRIVE TRAIN</b>	✓
• Glass-Tinted Windows	✓	• Fuel Tank LH 80 Gal RD.	✓	• MACK MD209 Transmission	✓
• Glove Box	✓			• Range selector valve tight	✓
• Grab Handles - Ext.	✓				
• RH & LH Behind Door	✓	<b>C-FRONT AXLE</b>	✓		
• Grab Handles - Int.	✓	• Capacity 20000 lbs	✓		
• Windshield Post RH-LH	✓	• Tires Tubeless Radial	✓	<b>J-COMMENTS</b>	
• Instr. Panel RH	✓	• Size 425/65R 22.5 18S	✓		
• Hi-Beam Indicator Light	✓	• Wheels-Alum Disc 10 Hole	✓		
• Horn	✓				
• Air Twin Trumpet	✓				
• Electric Single Tone	✓	<b>D-REAR AXLE-TANDEM</b>	✓		
• Lights	✓	• Capacity 44000 lbs	✓		
• Marker & Clearance (7)	✓	• Tires (8) 11R-22.5-14G	✓		
• Side Markers	✓	• Air Brakes	✓		
• Turn Signals-Front	✓	• Wheels-Alum Disc-10 Holes	✓		
• Headlights (2) Conv 7" RD	✓				
• Rear (2) Stop, Direct, Back up	✓	<b>E-ELECTRICAL</b>	✓		
• Signal Flasher Type	✓	• Back up Alarm	✓		
• Interior Trim - White	✓	• Battery Box Covers	✓		
• Low Air Indicator Light & Buzz	✓	• Daytime Running Lights	✓		

Odometer Reading \_\_\_\_\_

Hourmeter Reading \_\_\_\_\_

Inspected By [Signature]

Date \_\_\_\_\_



# WATER TEST RECORD SHEET

TRUCK MOUNTED CONCRETE BOOM PUMP

INSPECTED BY MW DATE 11/26/06

MACHINE MODEL XYT 37 S/N \_\_\_\_\_

TIME	AMB TEMP	HYD TEMP	ENG TEMP	HYD PRESSURE	ENG RPM	VOL SETTING	STROKES P/MIN
<i>Filtered 2 Hours + Run 2 Hours 11/27 @ 1500 PSI</i>							
START 12:00 12:30	88	131	210	1300 PSI			
1:00	88	139	210	1300			
1:30	88	149	210	1300			
2:00	88	156	210	2000	STOP	<i>BLEW OILS ON PUMP</i>	
11/27 7:30	55	101	200	1600	1400	5/8	<del>14</del>
8:00	55	113	210	1600	1600	5/8	14
8:30	55	118	210	2200	FULL	5/8	16
9:00	55	122	210	2200		5/8	16
9:30	55	127	210	3000		3/4	19
STOP START 10:00	55	107	210	3000		3/4	19
10:30	55	144	210	3000		3/4	19
11:00	55	140	210	3000		3/4	19
11:30	58	147	210	3000		3/4	19
START 12:00 12:30	58	137	210	3000		<del>3/4</del>	19
1:00	58	140	210	3500		FULL	14
1:30	58	149	210	3500			14
11/30 START 8:00 8:30	48	99	210	3200			18
9:00	50	119	210	3200			18
9:30	52	132	210	3200			18
STOP/START 2:00 3:00	64	141	210	4000			13

28 SPM 34 BAR



REED  
ALL MODELS

QUALITY ASSURANCE INSPECTION CHECK LIST  
TRUCK MOUNTED CONCRETE PUMP

PAGE 1 OF 1

INSPECTED BY \_\_\_\_\_

DATE \_\_\_\_\_

Q.C. & PUMP OPERATIONAL TEST

WORK ORDER \_\_\_\_\_

DESCRIPTION OF ITEM INSPECTION	OK INIT.	CORRECTION MADE
<b>1. Q.C. INSPECTION PACKAGE</b>		
All forms in package	<i>mm</i>	
All shortages in package	<i>mm</i>	
<b>2. BUILD ORDER REVIEW</b>		
Truck built per build order	<i>mm</i>	
Options installed per build order	<i>mm</i>	
Oil type required	<i>mm</i>	
Defeciencies noted	<i>mm</i>	
<b>3. PRELIMINARY WALK AROUND</b>		
Components installed properly	<i>mm</i>	
Proper hose & wire routing	<i>mm</i>	
Bolts & fittings tight	<i>mm</i>	
Defeciencies corrected	<i>mm</i>	
<b>4. FLUID LEVELS</b>		
Engine oil	<i>mm</i>	
Coolant	<i>mm</i>	
Boom tank hydraulic oil	<i>mm</i>	Type <i>44</i>
Main tank hydraulic oil	<i>mm</i>	Type <i>44</i>
Auto lube grease	<i>mm</i>	
Flush box - Oil & water	<i>mm</i>	
<b>5. PRE START UP</b>		
Filling & bleeding of hydraulic system	<i>mm</i>	

SHORTAGES	CORR INIT.

COMMENTS

*Auger Bypass 150 BAE, relief @*



REED  
ALL MODELS

QUALITY ASSURANCE INSPECTION CHECK LIST  
TRUCK MOUNTED CONCRETE PUMP

PAGE 1 OF 1

INSPECTED BY \_\_\_\_\_ DATE \_\_\_\_\_

Q.C. & PUMP OPERATIONAL TEST

WORK ORDER \_\_\_\_\_

DESCRIPTION OF ITEM INSPECTION	OK INIT.	CORRECTION MADE
6. FILTRATION OF SYSTEM ( 2 Hour time period )	<i>nm</i>	
7. R.P.M. CHECK 800 Idle <i>nm</i>	<i>nm</i>	
1600 Pumping	<i>nm</i>	
8. CHARGE PRESSURE ADJUSTMENT 34 Bar - ( +0 -1 )	<i>nm</i>	
9. PUMP CENTERING ADJUSTMENT	<i>nm</i>	
10. MAXIMUM PRESSURE CHECK 345 Bar		
11. BLACK BOX ADJUSTMENT 6-19 Bar	<i>nm</i>	
12. A-10 PUMP ADJUSTMENT Load sense screw fully in	<i>nm</i>	
Pressure compensator 190 Bar	<i>nm</i>	
13. REMIXER PRESSURE ADJUSTMENT 190 Bar	<i>nm</i>	
14. COOLER RELIEF ADJUSTMENT 30 Bar		

SHORTAGES

CORR  
INIT.

COMMENTS

<b>Q.C. &amp; PUMP OPERATIONAL TEST</b>	WORK ORDER
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DESCRIPTION OF ITEM INSPECTION	OK INIT.	CORRECTION MADE
<b>15. FLUSHING VALVE ADJUSTMENT</b>		
Should be 25.8 G.P.M. ( +0-.5 )		
Evenly balanced	<i>mm</i>	
<b>16. MAXIMUM CYCLES PER MINUTE CHECK</b>		
30 ( + or - 1 )	<i>28</i>	Main Control Box --- Radio Control ---- Cable Remote---
<b>17. CYCLE TEST</b>		
8 Hour time period	<i>mm</i>	
Documentation of test sheets	<i>mm</i>	
<b>18. WATER PUMP ADJUSTMENT</b>		
Relief set to attain maximum flow without swelling of hose when nozzle is closed	<i>mm</i>	
<b>19. BOOM VALVE PRESSURE ADJUSTMENT</b>		
340 Bar---( XT-32 & XT-36 )		
350 Bar--- ( XXT-42 )		
<b>20 BOOM RADIO CONTROL PARAMETERS CHECK.</b>		
<b>21 OUTRIGGER PRESSURE ADJUSTMENT</b>		
Main block relief--250 Bar ( +or - 1 )		
XT-36 Extension relief--60 Bar ( +or - 1 )		<i>(SEE NOTE BELOW)</i>
XXT-32 or 42 Extension relie		
XXT-32 or 42 front swing out relief--60 Bar ( +or - 1 )		

SHORTAGES	CORR INIT.

COMMENTS

**NOTE...REFER TO TEST PROCEDURE WORK INSTRUCTIONS FOR ADJUSTMENT METHODS.**

*NEW OUTRIGGER CONTROL VALVES (PIN 802727 + 802728)  
 REQUIRE EXTENSION RELIEF ADJUSTED TO 120 BAR.  
 7-3-03 (FIRST VALUES USED) XT-36*