



37ZR5

CONCRETE BOOM PUMP



TRUCK OPTIONS

CLASS 8 HD

Peterbilt, Mack, Kenworth, International, Freightliner, Western Star, Others

TRANSMISSION

Automatic, Manual or Automatic Manual

TECHNOLOGY

Integrated Radar, Camera, Auto-Braking System (when available)

Blind Spot Monitoring (when available)

PUMP STANDARD FEATURES

Carbide Wear Parts

Twin Wall Pipe, Chrome Carbide Centrifugally Cast

Pumping Integrated Air Cuff Tip Hose Shut-Off

Pumping Integrated Auto-Greaser System

Air Powered Back End Sprayer System

Hattox (German) Radio Remote Controls, 900 MHz

Additional Lights & Horn On Tip Section

Next Era Grease Guardian Clogged Grease Line Alarm (patent pending)

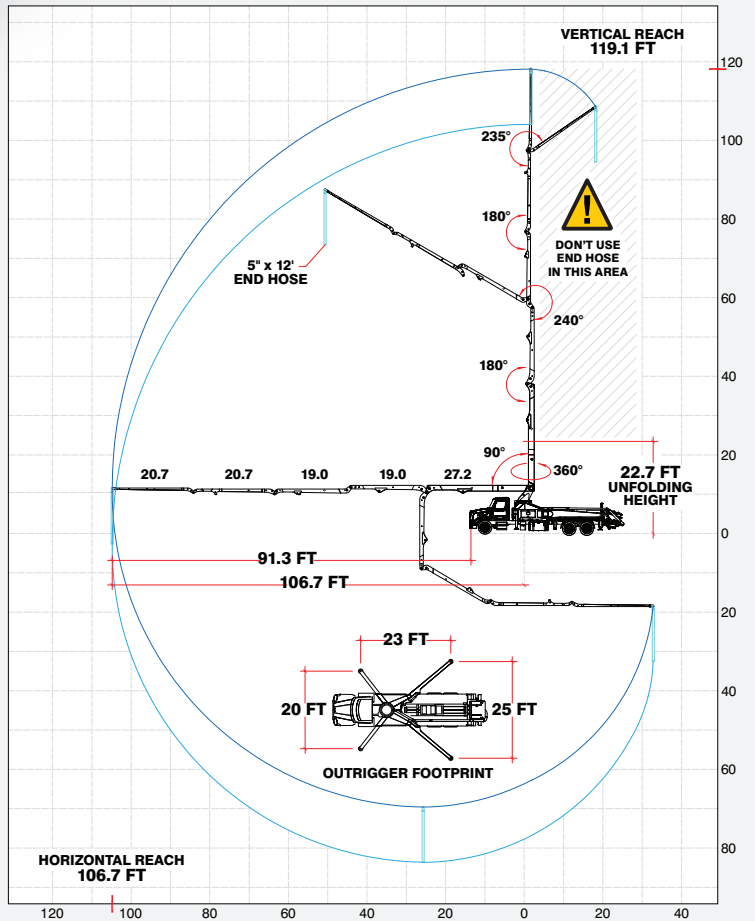
WARRANTY

NEXT ERA ARMOR

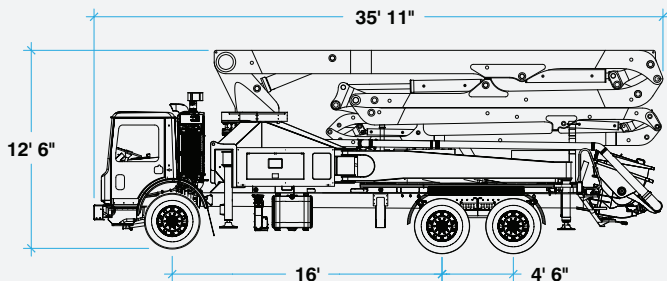
3 Year Pump & Boom
(standard)

NEXT ERA ARMOR PLUS

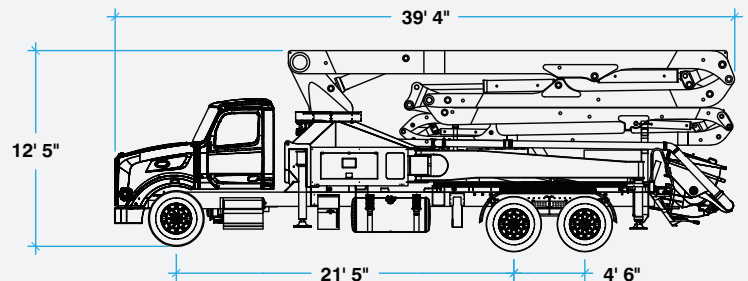
5 Year Pump & Boom
(optional upgrade)



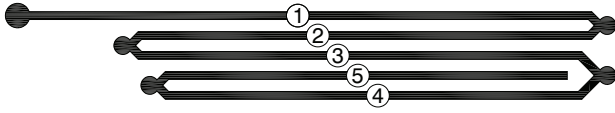
CAB OVER MODEL (MACK SHOWN)



CONVENTIONAL MODEL (PETERBILT SHOWN)



BOOM SPECIFICATIONS



FOLDING TYPE

5-Section ZR

VERTICAL REACH

119 ft

BOOM CONTROLS

Fully Proportional

HORIZONTAL REACH

106.7 ft

SECTION LENGTH

1	27.2 ft
2	18.0 ft
3	19.0 ft
4	20.7 ft
5	20.7 ft

UNFOLDING HEIGHT

23.3 ft

REACH DEPTH

83.7 ft

DELIVERY PIPE

5 in Ø Twin Wall
Centrifugally Cast Chrome Carbide
Elbows Used: 30°, 90°
Special Elbows: None

END HOSE

Single Ended
5 in x 13.1 ft

OPTIONAL SHORT TIP SECTION

13 ft Tip Section allows full range of motion, full extension to pump, w/o reconfiguring boom under 28 ft ceiling (sold separately)

PUMP SPECIFICATIONS

CONCRETE PUMP KIT

ROD SIDE PUMPING

Max Output	209 cu. yd/hr
Max Pressure	1,008 psi (69.5 bar)
Strokes/Min	0-30 spm (variable control w/ manual override)

PISTON SIDE PUMPING

Max Output	127 cu. yd/hr
Max Pressure***	1,622 psi (112 bar)
Strokes/Min	0-19 spm (variable control w/ manual override)

*** Not for pumping through boom pipe, consult Engineering.

PUMPING CONTROLS

Fully Proportional (simple manual bypass)

ENGINE

Maximum Speed 1,650 rpm

STROKE LIMITER

0-35 bar PRV
(proportional manual bypass)

PTO GEAR BOX

Gear Reduction 1:1.25

MATERIAL CYLINDERS

230/2100 (9 in x 82.7 in)

DRIVE CYLINDERS

130/80 (5.1 in x 3.1 in)

OUTRIGGERS

TYPE

Front	X-Style Hyd Motor/Chain
Rear	Swing Out Hyd Cylinder

SPREAD

Front	21 ft
Rear	24.6 ft

MAX JACK LOAD

Front	39,800 LB (177 kN)
Rear	39,800 LB (177 kN)

MAX GROUND PRESSURE WHEN USING OEM PADS

Front	72 psi (w/OEM pads)
Rear	72 psi (w/OEM pads)



CAUTION: The actual ground pressure depends on the pads and dunnage being used.

SLEWING

SLEW RANGE

370 degrees

SLEW SPEED

0.3 rpm

PLANETARY DRIVE

Dana-Brevini ED2065

SAFETY LIMIT SWITCHES

Boom Out of Cradle Switch
Hopper Grate Switch
Slew Limit, Over Rotation Prevention
Cab Crush Prevention

HYDRAULIC / PNEUMATIC

SYSTEM

Open Loop	Standard
Closed Loop	Optional

BOOM PUMP

Bosch Rexroth A2F032

MAIN PUMP

Rexroth A11V260LRDH1
Stroke Limited/Variable Displacement

ACCUM PUMP

Rexroth A10VO28DR

BOOM VALVE

HAWE PSLF
370 bar (manifold style)

BOOM FILTER

PALL (high psi)

SWITCHING

All Hydraulic
Rexroth DCV's w/ Manual Bypass

AUTO GREASER

Air Powered
35 lb / 5 gallon Pail

ELECTRIC

SYSTEM

12v DC, No Problematic Dual Voltage
Alternator Control (DUVAC)

SAFETY

Normally Open Accumulator
& Hopper Grate Circuits
(fail to safe mode)

CONTROLLER

Relays, Timers, Switches
(no printed circuit boards)

RADIO REMOTE

HATOX (German)
Alum Body, AA Batteries