Concrete Pump / Boom Pump

ECP42CX-5

Boom Type
5 section ZR folding

Vertical Reach
42m

Horizontal Reach
36.3m

Depth Reach
27.7

Delivery Pipe Diameter
125mm

Slewing Range
360°

Outrigger
X-extension (Front)
Swing-type (Rear)
**FEATURES**

**FFH SYSTEM (Free Flow Hydraulic)**

*Direct connecting main pump and hydraulic cylinders improve pumping efficiency*

*SN valve controls peak pressure*
  - Less peak pressure

*No need of big oil tank*
  - Cut down maintenance cost

*Control zero to full all output*
  - Easy and precise operation

*POH valve makes switching speedy and smooth*
  - Less Boom bouncing

*No hydraulic oil overheated*
  - Longer life on consumable parts

*Applying Suction filter*
  - Prevent contamination in main pump

*Centralized pumping controller*
  - Easy access and maintenance

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**PUMPING UNIT**

- Closed-loop System
- Inductive Proximity Switch with Indicator
- Single Lip Concrete Piston
- Hard-chromed Concrete Cylinders

**BOOM & STRUCTURE**

- Diagonal Extension Front Outrigger
- Swing Rear Outrigger
- Outrigger Pilot Check Valves
- Hydraulic Motor and Gear at Boom Slewing
- High Pressure End Hose (Both End Coupling, 3m)
- Boom & Deck Pipe Dia. 125mm
- Greasing Port on Boom Link and Pedestal
- Bubble Gauge on each Side of Unit
- Cleaning Port and Sponge Ball
- Water Pump, Cleaning Hose, Water Tank
- Outrigger Pads with Compartment
- Night Light Kit on Pedestal

**HOPPER**

- EZ Clean Hopper with Hi Managanese Paddle
- Auto Lubrication System for Hopper
- 600 liter Volume Hopper
- S-tube 200mm to 180mm
- Tungsten Carbide for Wear Ring and Plate
- Night Light Kit for Hopper

**CONTROL KIT**

- Cable Remote Control (40m Cable)
- Radio Remote Control, Proportional
- Remote ON/OFF Pumping
- Remote Engine ON/OFF
- Infinite Variable RPM Control
- Boom - Manual Control Block and Remote Control
- Outrigger - Manual Control Block on each Side of Unit
- E-stop and Horn Switch
- Electric Control Box with Separate Local Controller
- Pneumatic Solenoid Valve for PTO Control
SPECIFICATIONS

DIMENSIONS

Front Axle Payload  12,037kg
Rear Axle Payload  18,103kg

Front Axle Payload  8,927kg
Rear Axle Payload  20,016kg

* Weight and dimension figures here are subject to change on various chassis option and additional axle application etc.

WORKING RANGE

PUMP

<table>
<thead>
<tr>
<th></th>
<th>Pump Cell</th>
<th>2114</th>
<th>2116</th>
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</thead>
<tbody>
<tr>
<td>Hydraulic Control System</td>
<td>Closed Free Flow Hydraulic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydraulic Main Pump</td>
<td>A4VG180</td>
<td></td>
<td>A4VG125HDx2 (Tandem)</td>
</tr>
<tr>
<td>Concrete Cylinder</td>
<td>Dia. 230mm</td>
<td></td>
<td></td>
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<tr>
<td>Drive Cylinder</td>
<td>Tube Dia. 230mm</td>
<td></td>
<td>Stroke 2,100mm</td>
</tr>
<tr>
<td>Theoretical Concrete Output</td>
<td>140m³/h</td>
<td>160m³/h</td>
<td></td>
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<tr>
<td>Theoretical Concrete Pressure</td>
<td>70bar</td>
<td>85bar</td>
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<tr>
<td>Transfer Tube Type</td>
<td>S-tube, S2018 (Dia 200 to 180mm)</td>
<td></td>
<td></td>
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<tr>
<td>Volume of Hopper</td>
<td>600L</td>
<td></td>
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BOOM

<table>
<thead>
<tr>
<th></th>
<th>5 section ZR folding</th>
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<tbody>
<tr>
<td>Boom Type</td>
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</tr>
<tr>
<td>Max. Vertical Reach</td>
<td>42m</td>
</tr>
<tr>
<td>Max. Horizontal Reach</td>
<td>36.3m</td>
</tr>
<tr>
<td>Max. Depth Reach</td>
<td>27.7m</td>
</tr>
<tr>
<td>Unfolding Height</td>
<td>8.2m</td>
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<tr>
<td>End Hose</td>
<td>3m</td>
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<tr>
<td>Delivery Pipe Dia.</td>
<td>125mm</td>
</tr>
<tr>
<td>Slew Range</td>
<td>360deg.</td>
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OUTRIGGER

<table>
<thead>
<tr>
<th></th>
<th>Diagonal Extension</th>
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<tbody>
<tr>
<td>Front Outrigger Type</td>
<td>(Full Spreading Width)</td>
</tr>
<tr>
<td>Rear Outrigger Type</td>
<td>Swing (9m)</td>
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OUTRIGGER SPREAD

UNIT: ft.in (m)
EVERDIGM is a large company with $250M turnover providing customers across the world with its quality products. EVERDIGM has been working and growing based on the platform of advanced quality, professionalism, and real satisfaction. Standing behind the customers taking responsibility at all stages of its product lifecycle is EVERDIGM’s commitment.

Build the Future
The spirit, “build the future,” enables EVERDIGM to make a remarkable growth over 80 countries now. EVERDIGM offers the best value concrete pump which is key to building a brighter future for dealers and customers.

Concrete Pump
- Free Flow Hydraulic System
- Boom Pump Ranging from 21M to 65M
- Placing Boom of Various Design
- High Pressure Trailer and Line Pump

Truck Mounted Boom Pump Line-up (Max. Vertical Reach)  Unit: m

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<tr>
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<th>21</th>
<th>24</th>
<th>28</th>
<th>30</th>
<th>32</th>
<th>33</th>
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<th>47</th>
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<th>52</th>
<th>53</th>
<th>56</th>
<th>60</th>
<th>65*</th>
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*Plan to release in 2013

Trailer Pump Line-up (Max. Concrete Pressure)  Unit: bar

|   | 110 | 170 | 230 | 280 | 300 |

Line Pump Line-up (Max. Concrete Pressure)  Unit: bar

|   | 110 | 170 | 230 | 280 |

Placing Boom Line-up (Max. Horizontal Reach)  Unit: m

|   | 24 | 28 | 32 | 36 | 42 | 48 |