



## C Series

**C50S/C50SS/C70S/C70SS/C90S/ C100 Trailer Mounted Concrete Pumps**



### C Series:

**These ultra high-performance line pumps** feature Rexroth "Closed Loop" hydraulic systems, twin axles, and twin-shifting cylinders. These pumps were designed to excel even under the most extreme pumping conditions. **REED** is the first trailer pump manufacturer to bring this technology to line pumps.

**C Series** frames, hoppers, and pump cells are built to withstand the most punishing jobsite conditions.

Superior engineering, premium technology, top quality components and pride in workmanship make **C Series** pumps the most reliable and powerful line pumps on the market today.

### Standard Features:

- **Cummins 6 Cylinder Diesel Motors** are VERY Powerful (160hp, 220hp, 260hp), VERY Quiet, and VERY Efficient (lower RPMs)
- **Rexroth Closed-loop, over-center hydraulic system**
- **REED's PLC Control Box (Programmable Logic Controller)** quick and easy diagnosis and analysis
- **Variable-volume and R.P.M. control** at remote control box
- **Strongest Shifting-Cylinder Force on the market!**
- **Carbide Wear Parts**
- **Hydraulic Outriggers**
- Super heavy-duty frame (sturdiest frame on market)
- Twin axle trailer 2x7000 lb (2x3182 kg)
- 3" Splined shaft on heavy-duty "S"-tube
- 42" stroke length
- **Special high-pressure super reinforced hopper**

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### Additional Features:

- Hard chromed concrete cylinders
- Weatherproof NEMA 4 control panel
- High capacity hydraulic oil cooler
- Hour meter/tachometer
- Stroke counter
- Reversibility at any point in the stroke

### Optional Features:

- Remote Control with 50' (15m) Cable
  - a) On/Off, b) Forward-Reverse,
  - c) Stroke Change (S-tube Jog),
  - d) Engine RPM Control, e) Hydraulic Pump Volume Control
- Radio remote control
- Hydraulically driven water wash-out pump
- Vibrator for hopper screen
- Chemical additive pump
- Lifting eyes
- Electric motor
- Tier 4 Diesel
- Hydraulic Surge brakes
- Custom Paint
- Auto Lube System or Lube Block
- Additional Options Available...

| MODEL                                |                     | C50S             | C50SS      | C70S       | C70SS      | C90S       | C100       |
|--------------------------------------|---------------------|------------------|------------|------------|------------|------------|------------|
| <b>High Vol / High Press</b>         |                     |                  |            |            |            |            |            |
| Concrete Output                      | yd <sup>3</sup> /hr | 50               | 54         | 70         | 74         | 90         | 106        |
|                                      | m <sup>3</sup> /hr  | 38               | 41         | 54         | 56         | 69         | 81         |
| Concrete Pressure                    | psi                 | 1640             | 2000       | 1125       | 1469       | 896        | 1469       |
|                                      | bar                 | 114              | 138        | 78         | 102        | 62         | 102        |
| Horizontal Pumping Distance*         | ft                  | 1425*            | 2000*      | 1000*      | 1350*      | 1000*      | 1350*      |
|                                      | m                   | 434*             | 610*       | 305*       | 411*       | 305*       | 411*       |
| Vertical Pumping Distance*           | ft                  | 575*             | 800*       | 425*       | 550*       | 425*       | 550*       |
|                                      | m                   | 175*             | 244*       | 130*       | 168*       | 130*       | 168*       |
| Cummins Diesel Engine                | hp                  | 160              | 220        | 160        | 220        | 220        | 260        |
|                                      | kW                  | 119              | 164        | 119        | 164        | 164        | 193        |
| Concrete Cylinder Diameter           | in                  | 6"               | 6"         | 7"         | 7"         | 7"         | 8"         |
|                                      | mm                  | 152              | 152        | 175        | 175        | 175        | 203        |
| Stroke Length                        | in                  | 42"              | 42"        | 42"        | 42"        | 42"        | 42"        |
|                                      | mm                  | 1067             | 1067       | 1067       | 1067       | 1067       | 1067       |
| Maximum Aggregate Size               | in                  | 1 1/2"           | 1 1/2"     | 1 1/2"     | 1 1/2"     | 1 1/2"     | 2 1/2"     |
|                                      | mm                  | 38               | 38         | 38         | 38         | 38         | 63         |
| Hopper Capacity (Standard)           | ft <sup>3</sup>     | 12               | 12         | not avail. | not avail. | not avail. | not avail. |
|                                      | liters              | 340              | 340        | not avail. | not avail. | not avail. | not avail. |
| Hopper Capacity (Harsh-Mix)          | ft <sup>3</sup>     | not avail.       | not avail. | 14.5       | 14.5       | 14.5       | 21         |
|                                      | liters              | not avail.       | not avail. | 410        | 410        | 410        | 600        |
| Hopper Height (Standard)             | in                  | 44"              | 44"        | not avail. | not avail. | not avail. | not avail. |
|                                      | mm                  | 1118             | 1118       | not avail. | not avail. | not avail. | not avail. |
| Hopper Height (Harsh-Mix)            | in                  | not avail.       | not avail. | 47"        | 47"        | 47"        | 50"        |
|                                      | mm                  | not avail.       | not avail. | 1194       | 1194       | 1194       | 1267       |
| Hydraulic Oil Capacity               | gal                 | 60               | 60         | 60         | 60         | 60         | 72         |
|                                      | liters              | 227              | 227        | 227        | 227        | 227        | 272        |
| Fuel Capacity                        | gal                 | 39               | 39         | 39         | 39         | 39         | 39         |
|                                      | liters              | 148              | 148        | 148        | 148        | 148        | 148        |
| Outlet Size                          | in                  | 5"               | 5"         | 5"         | 5"         | 5"         | 6"         |
|                                      | mm                  | 127              | 127        | 127        | 127        | 127        | 152        |
| Dimensions                           |                     | Length           |            | Width      |            | Height     |            |
|                                      | in                  | 184" (C100 208") |            | 71"        |            | 83"        |            |
|                                      | mm                  | 4674 (C100 5283) |            | 1803       |            | 2108       |            |
| Weight (Approx.) (with oil and fuel) | lbs                 | 8260             | 8260       | 8600       | 8600       | 8750       | 9780       |
|                                      | kg                  | 3755             | 3755       | 3909       | 3909       | 3977       | 4436       |

\* Theoretical distances and performance shown above are estimated using standard industry methods. Actual performance will vary depending on the concrete pump (concrete pressure, horsepower), material (mix design, slump, local sand and rock characteristics), and delivery system (pipeline diameter, type (steel or hose) and reductions/bends). Maximum output, pressure, and distance cannot be reached simultaneously. Specifications subject to change without prior notice.



**REED** can truck, track or skid mount any concrete pump.

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