



## C Series

### C50S/C50SS/C70S/C70SS/C90/ C100 Concrete & Shotcrete 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), VERY Quiet, and VERY Efficient (lower RPMs)
- Rexroth Closed-loop, over-center hydraulic system
- REED's PLC Control Box (Programmable Logic Controller) for 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:

- Electronic Control Overrides
- Electronic Volume Control  
(with purchase of optional radio remote)
- High capacity hydraulic oil cooler
- Hour meter/tachometer/  
volume calculator
- Easy-to-read Diagnostics

### Optional Features:

- Radio remote Control
  - a) On/Off, b) Forward-Reverse,
  - c) Stroke Change (S-tube Jog),
  - d) Engine RPM Control, e) Hydraulic Pump Volume Control
- Cable remote control
- Hydraulically driven water wash-out pump
- Vibrator for hopper screen
- Synchronized Chemical Additive Pump
- Lifting Eyes
- Electric Motor
- Tier 4 Diesel
- Hydraulic Surge brakes
- Custom Paint, Chrome Wheels
- Auto Lube System or Lube Block
- Additional Options Available...

| MODEL                                |                     | C50S             | C50SS  | C70S   | C70SS  | C90    |                     |
|--------------------------------------|---------------------|------------------|--------|--------|--------|--------|---------------------|
|                                      |                     |                  |        |        |        |        | HighVol / HighPress |
| Concrete Output                      | yd <sup>3</sup> /hr | 50               | 54     | 70     | 74     | 90     | 74                  |
|                                      | m <sup>3</sup> /hr  | 38               | 41     | 54     | 56     | 69     | 56                  |
| 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 Tier 3 - 6.7 L | hp                  | 160              | 220    | 160    | 220    | 220    |                     |
|                                      | kW                  | 119              | 164    | 119    | 164    | 164    |                     |
| Concrete Cylinder Diameter           | in                  | 6"               | 6"     | 7"     | 7"     | 7"     |                     |
|                                      | mm                  | 152              | 152    | 175    | 175    | 175    |                     |
| Stroke Length                        | in                  | 42"              | 42"    | 42"    | 42"    | 42"    |                     |
|                                      | mm                  | 1067             | 1067   | 1067   | 1067   | 1067   |                     |
| Maximum Aggregate Size               | in                  | 1 1/2"           | 1 1/2" | 1 1/2" | 1 1/2" | 1 1/2" |                     |
|                                      | mm                  | 38               | 38     | 38     | 38     | 38     |                     |
| Hopper Capacity (Standard)           | ft <sup>3</sup>     | 12               | 12     | n/a    | n/a.   | n/a    |                     |
|                                      | liters              | 340              | 340    | n/a    | n/a.   | n/a    |                     |
| Hopper Capacity (Harsh-Mix)          | ft <sup>3</sup>     | n/a              | n/a    | 14.5   | 14.5   | 14.5   |                     |
|                                      | liters              | n/a              | n/a    | 410    | 410    | 410    |                     |
| Hopper Height (Standard)             | in                  | 44"              | 44"    | n/a    | n/a.   | n/a    |                     |
|                                      | mm                  | 1118             | 1118   | n/a    | n/a    | n/a    |                     |
| Hopper Height (Harsh-Mix)            | in                  | n/a              | n/a    | 47"    | 47"    | 47"    |                     |
|                                      | mm                  | n/a              | n/a    | 1194   | 1194   | 1194   |                     |
| Hydraulic Oil Capacity               | gal                 | 60               | 60     | 60     | 60     | 60     |                     |
|                                      | liters              | 227              | 227    | 227    | 227    | 227    |                     |
| Fuel Capacity                        | gal                 | 39               | 39     | 39     | 39     | 39     |                     |
|                                      | liters              | 148              | 148    | 148    | 148    | 148    |                     |
| Outlet Size                          | in                  | 5"               | 5"     | 5"     | 5"     | 5"     |                     |
|                                      | mm                  | 127              | 127    | 127    | 127    | 127    |                     |
| Dimensions                           |                     | Length           |        | Width  |        | Height |                     |
|                                      | in                  | 184" (C100 200") |        | 71"    |        | 83"    |                     |
|                                      | mm                  | 4674 (C100 5080) |        | 1803   |        | 2108   |                     |
| Weight (Approx.) (with oil and fuel) | lbs                 | 8260             | 8260   | 8600   | 8600   | 8750   |                     |
|                                      | kg                  | 3755             | 3755   | 3909   | 3909   | 3977   |                     |

\* 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 track, truck or skid mount any concrete pump.