

## B Series

### B20/B20HP/B50/B60/B70 Trailer Mounted Concrete Pumps



#### **B Series:**

These rugged pumps feature “Open-Loop” hydraulic systems, larger hydraulic tanks, Solid State Cycle Control, larger fuel tanks and hydraulic manifolds to eliminate many hydraulic lines. All **B Series pumps** are powered by the liquid-cooled, turbocharged, 98 to 100 hp (73 to 75 kW) Deutz BF4M2012 Diesel Engine.

The simple design of the **B Series pumps** makes them easy to trouble-shoot and service.

Superior engineering, top quality components and pride in workmanship make them extremely dependable pumps.

A variety of output and pressure ranges makes the **B Series** top performers for any application.

#### **Standard Features:**

- Variable displacement piston pumps
- High performance Deutz liquid-cooled, 4-cylinder Diesel Engine (electric motor is also available)
- Adjustable shifting force valve
- Heavy-duty “S” Valve
- **REED** solid state “Black Box” to control pump cycling (no moving parts)
- Chromed concrete cylinders for long service life
- High-strength frame design (sturdiest frame in industry)
- Integrated toolbox
- Highest commonality of hydraulic hoses

#### **Applications:**

- **Shotcrete**
- **Concrete Pumping**
- **Pressure Grouting**
- **Foundations**
- **Slope Stabilization**
- **Pools**
- **Refractory Materials**
- **Slabs**
- **Rockscaping**
- **Mines**
- **Backfill**
- **Flowable fill**

# B Series

## B20/B20HP/B50/B60/B70 Trailer Mounted Concrete Pumps

### Additional Features:

- Super heavy-duty steel frame
- Weatherproof NEMA 4 control panel
- Reversibility at any point in the stroke
- High capacity hydraulic oil cooler
- Fully-variable volume output
- 9000 lb (4083 kg) highway rated axle (all but B20 Model)
- Electric brakes
- Fenders and flush-mounted tail-lights
- 2 heavy-duty outriggers
- Adjustable pintle hitch
- Hopper grate
- Automatic pressure release at shutdown
- Forged steel pistons with urethane cups
- Hard chromed concrete cylinders
- Hour meter/tachometer
- Emergency stop button
- Splined shaft on "S" Valve (B50, B60 and B70)
- 5-function remote control (On/Off/Reverse/E-stop/Horn-reset)
- Dual hydraulic circuit
- Highest standard concrete pressure in class
- New wider stance
- Harsh-Mix Hopper (B70 only)

### Optional Features:

- Hydraulic outriggers
- Hydraulically driven water wash-out pump
- Hopper agitator
- Aluminum wheels
- Hydraulic surge brakes
- Vibrator for hopper screen
- Chemical additive pump
- Stroke counter
- Skid mounting
- Electric motor
- Radio remote control
- Dual shift cylinders (Standard on B70)
- Lifting-eye kit
- "Emergency" stroke change kit
- Hopper extension (increase cap. to 16cf)

Distributed By:

| MODEL  |                     | B20    | B20HP | B50    | B60    | B70    |
|--|---------------------|--------|-------|--------|--------|--------|
| Concrete Output                                | yd <sup>3</sup> /hr | 20     | 20    | 50     | 60     | 70     |
|  | m <sup>3</sup> /hr  | 15     | 15    | 38     | 46     | 54     |
| Concrete Pressure                              | psi                 | 1664   | 2113  | 1361   | 1174   | 1000   |
|  | bar                 | 115    | 145   | 94     | 81     | 69     |
| Deutz Diesel Engine                            | hp                  | 100    | 100   | 98     | 98     | 98     |
|  | kW                  | 75     | 75    | 73     | 73     | 73     |
| Main Hydraulic Pump                            | cc/rev              | 45     | 71    | 100    | 100    | 100    |
| Concrete Cylinder Diameter                     | in                  | 4"     | 4"    | 6"     | 6"     | 7"     |
|  | mm                  | 102    | 102   | 152    | 152    | 178    |
| Stroke Length                                  | in                  | 36"    | 36"   | 36"    | 36"    | 36"    |
|  | mm                  | 914    | 914   | 914    | 914    | 914    |
| Maximum Aggregate Size                         | in                  | 3/4"   | 3/4"  | 1 1/2" | 1 1/2" | 1 1/2" |
|  | mm                  | 19     | 19    | 38     | 38     | 38     |
| Hopper Capacity (Standard / Harsh Mix*) Hopper | ft <sup>3</sup>     | 10     | 10    | 12     | 12     | 14*    |
|  | liters              | 283    | 283   | 340    | 340    | 400*   |
| Hopper Height (Standard / Harsh Mix*) Hopper   | in                  | 42     | 42    | 42     | 42     | 45*    |
|  | mm                  | 1067   | 1067  | 1067   | 1067   | 1143*  |
| Hydraulic Oil Capacity                         | gal                 | 52     | 52    | 52     | 52     | 52     |
|  | liters              | 197    | 197   | 197    | 197    | 197    |
| Fuel Capacity                                  | gal                 | 24     | 24    | 24     | 24     | 24     |
|  | liters              | 91     | 91    | 91     | 91     | 91     |
| Outlet Size                                    | in                  | 4      | 4     | 5      | 5      | 5      |
|  | mm                  | 102    | 102   | 127    | 127    | 127    |
| Dimensions                                     |                     | Length | Width | Height |        |        |
|  | in                  | 174    | 75    | 79     |        |        |
|  | mm                  | 4419   | 1905  | 2007   |        |        |
| Weight (Approx.)                               | lbs                 | 5780   | 5780  | 6380   | 6540   | 6780   |
|  | kg                  | 2621   | 2621  | 2983   | 2966   | 3075   |

Maximum theoretical performance shown above. Maximum output and pressure cannot be reached simultaneously. Performance will vary depending on slump, mix design and pipeline diameter. Specifications subject to change without prior notice.



**REED** ALSO OFFERS  
TRUCK MOUNTED  
CONCRETE PUMPS.



**REED** • A Member of the Shea Family of Companies  
13822 Oaks Avenue • Chino, California 91710-7008 USA • 909-287-2100  
Fax: 909-287-2140 • Toll-free: 888-779-7333 • www.reedpumps.com