



B Series

B20/B20HP/B50/B50HP/B60/B70 Trailer Mounted Concrete Pumps



B Series:

These rugged pumps feature "Open-Loop" hydraulic systems and variable displacement hydraulic pumps.

All **B Series Pumps** now feature **Cummins Diesel Engines** that are more Powerful (more torque), quieter, and more efficient (lower RPMs) and EPA Tier 3 approval (110 or 130 hp (82 or 97 kW)).

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

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

Standard Features:

- **REED PLC (Programmable Logic Controller)**
Allows for self diagnosis on the LCD, simple adjustments, and future enhancements
- **Variable-volume** and **R.P.M. control** at remote control box
- Adjustable shifting force valve
- Heavy-duty "S" Valve
- 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**

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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
- 5-function cable remote control
- Dual hydraulic circuit
- Highest standard concrete pressure in class
- Wide stance
- Harsh-Mix Hopper (B70 only)

Optional Features:

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

MODEL		B20	B20HP	B50	B50HP	B60	B70
Concrete Output	yd ³ /hr	20	20	50	50	60	70
	m ³ /hr	15	15	38	38	46	54
Concrete Pressure	psi	1664	2113	1361	1361	1174	1000
	bar	115	145	94	94	81	69
Horizontal Pumping Distance *	ft	1650*	2200*	1200*	1200*	950*	750*
	m	503*	670*	365*	365	290*	228*
Vertical Pumping Distance *	ft	700*	875*	450*	450*	375*	300*
	m	213*	267*	137*	137*	114*	91*
Cummins Diesel Engine (Tier 3 Approved)	hp	110	110	110	130	110	130
	kW	82	82	82	97	82	97
Main Hydraulic Pump	cc/rev	71	100	140	140	140	140
Concrete Cylinder Diameter	in	4"	4"	6"	6"	6"	7"
	mm	102	102	152	152	152	178
Stroke Length	in	36"	36"	36"	36"	36"	36"
	mm	914	914	914	914	914	914
Maximum Aggregate Size	in	3/4"	3/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
	mm	19	19	38	38	38	38
Hopper Capacity (Standard / Harsh Mix*) Hopper	ft ³	10	10	12	12	12	14*
	liters	283	283	340	340	340	400*
Hopper Height (Standard / Harsh Mix*) Hopper	in	42	42	42	42	42	45*
	mm	1067	1067	1067	1067	1067	1143*
Hydraulic Oil Capacity	gal	52	52	52	52	52	52
	liters	197	197	197	197	197	197
Fuel Capacity	gal	24	24	24	24	24	24
	liters	91	91	91	91	91	91
Outlet Size	in	4	4	5	5	5	5
	mm	102	102	127	127	127	127
Dimensions		Length	Width	Height			
	in	170	74	83			
	mm	4318	1879	2108			
Weight (Approx.)	lbs	5980	5980	6580	6580	6740	6980
	kg	2718	2718	2991	2991	3063	3173

* 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 or skid mount any concrete pump.
(consult factory for details)

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