

## B Series Trailer Mounted Concrete Pumps B20/B20HP/B50/B50HP/B60/B70A

- 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 130hp (82 or 97kW).
- 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.



### APPLICATIONS

- Shotcrete
- Concrete Pumping
- Pressure Grouting
- Foundations
- Slope Stabilisation
- Pools
- Refractory Materials
- Slabs
- Rockscaping
- Mines
- Backfill
- Flowable Fill

### 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

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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
- 9000lb (4083kg) 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
- Aluminium 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 washout pump

MODEL		B20	B20 HP	B50	B50 HP	B50 HPS	B60	B70
Concrete Output	yd <sup>3</sup> /hr m <sup>3</sup> /hr	20 15	20 15	50 38	50 38	50 38	60 46	70 54
Concrete Pressure	psi Bar	1664 115	2113 145	1361 94	1361 94	1778 122	1174 81	1000 69
Horizontal Pumping Pressure	ft m	1650 <sup>*</sup> 503 <sup>*</sup>	2200 <sup>*</sup> 670 <sup>*</sup>	1200 <sup>*</sup> 365 <sup>*</sup>	1200 <sup>*</sup> 365 <sup>*</sup>	1570 <sup>*</sup> 475 <sup>*</sup>	950 <sup>*</sup> 290 <sup>*</sup>	750 <sup>*</sup> 228 <sup>*</sup>
Vertical Pumping Pressure	ft m	700 <sup>*</sup> 213 <sup>*</sup>	875 <sup>*</sup> 267 <sup>*</sup>	450 <sup>*</sup> 137 <sup>*</sup>	450 <sup>*</sup> 137 <sup>*</sup>	590 <sup>*</sup> 180 <sup>*</sup>	375 <sup>*</sup> 114 <sup>*</sup>	300 <sup>*</sup> 91 <sup>*</sup>
Cummins Diesel Engine	hp kW	110 82	110 82	110 82	130 97	130 97	110 82	130 97
Main Hydraulic Pump	cc/rev	71	100	140	140	180	140	140
Concrete Cylinder Diameter	in mm	4" 102	4" 102	6" 152	6" 152	6" 152	6" 152	7" 178
Stroke Length	in mm	36" 914	36" 914	36" 914	36" 914	42" 1067	36" 914	36" 914
Maximum Aggregate Size	in mm	¾" 19	¾" 19	1 ½" 38	1 ½" 38	1 ½" 38	1 ½" 38	1 ½" 38
Hopper Capacity	ft <sup>3</sup> litres	10 283	10 283	12 340	12 340	12 340	12 340	14 <sup>*</sup> 400 <sup>*</sup>
Hopper Height	In mm	42 1067	42 1067	42 1067	42 1067	45 1143	42 1067	45 <sup>*</sup> 1143 <sup>*</sup>
Hydraulic Oil Capacity	gal litres	52 197	52 197	52 197	52 197	52 197	52 197	52 197
Fuel Capacity	gal litres	24 91	24 91	24 91	24 91	24 91	24 91	24 91
Outlet Size	in mm	4 102	4 102	5 127	5 127	5 127	5 127	5 127
Dimensions	In mm	L 170 4318	W 74 1879	H 83 2108				
Weight	lbs kg	5980 2718	5980 2718	6580 2991	6580 2991	6875 3119	6740 3063	6980 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.