



Multicrete Warrior Shotcrete Pumps

Technical Data Sheet

Description

The Multicrete Warrior is a shotcrete machine providing simplicity and strength tailored for shotcrete pumping. The Warrior comes equipped with a class-leading Cummins Tier 4 / Stage V powerplant exceeding the most stringent environmental standards. The Warrior shotcrete machine comes with a redesigned dual-shifting hopper, guaranteeing smooth operation and complete operator control.

With a redesigned control panel, pumping can start without hassle. Standard features such as an emergency shut off switch, electronic diagnostics and variable volume output keep operations controlled and with safe execution.

Standard Features

- High performance diesel engine with full integrated electronic controls
- Proximity sensors in cylinders
- Variable volume output (0-full)
- Hydraulic rear outriggers
- Emergency shut of switch
- Rugged weather-resistant control panel
- Stainless steel hopper grate
- Hard-chromed material cylinders
- Electronic diagnostics
- Hydraulic fluid level gauge
- Hydraulic circuit with accumulator
- Chrome wheels
- Durable powder-coated finishes
- Hydraulic agitator/remixer
- Tier 4 Final / Stage V Cummins Engine

Optional Features

- 3-function remote control with 1,000 ft. range
- Custom powder-coated paint selections
- Dual front hydraulic outriggers



Safety

Multicrete Warrior Shotcrete pumps use high pressure systems during operations. Please follow all safe operating and site safety procedures while operating and maintaining the unit. Personal Protective Equipment (PPE) including protective goggles, safety boots, ear protection, and protective gloves are required.



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WARRIOR SHOTCRETE PUMPS

SPECIFICATIONS	500 Pump
PERFORMANCE	
Maximum Concrete Output/Hour (cu. Yards)	50
Maximum Concrete Pressure (psi)	1,565
Maximum Aggregate Size (in.)	1.50
Concrete Cylinder Diameter (in.)	6.00
3.50" Differential Piston 2.00" Rod Diameter	---
Concrete Cylinder Stroke Length (in.)	39.00
Maximum Pump Strokes/Minute	39
TECHNICAL INFORMATION	
Hydraulic Pump – 112 cc/rev	---
Variable Volume Control	0 to Max
Dual Shifting Cylinders	---
Wear Plate: Tungsten Carbide	Optional
Hydraulic Tank Capacity (gal.)	60
Hydraulic System	Open Loop
Hopper Height (in.)	45.00
Outlet Diameter (in.)	5.00
POWERTRAIN	
	Cummins Tier 4 Final / Stage V F3.8 154 hp
Fuel Tank Capacity (gal.)	45



Cummins Tier 4 / Stage V powerplant

NOTE: Pumping output is based on maximum theoretical calculations. Actual output in real-world conditions may differ.



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TRAILER	
Axle-single	---
Axle Tandem	Optional
Axle Type	Torsion
Axle Capacity Rating (lbs.)	7,000 each
Tires	ST 235/80R16
Chrome Wheels	---
Brakes	Electric
Outrigger legs	Hydraulic
Length (in.)	195.00
Width (in.)	71.00
Height (in.)	78.00
Weight (lbs.)	7,500
Remote Control	Optional



Dual-shifting Hopper