

Mud Recyclers & Pumps



MCM - 4000
MPR - 6000
MCR - 10000
MCD - 1000

P-350
P-600
P-750



MCM-4000

Mud Recycler



Standard Trailer-Mount Design for Easy Transport!

- Mixes, cleans and transfers drilling fluid at the same time
- Centrifugal Pump
- Linear Motion Shakers
- 1st Cut shaker Cleaning Capacity:
Estimated 300 U.S. gallons (1,135 L) / minutes
- On-Board 115kW generator set to power screen shakers, pump motors and lights

MPR-6000

Mud Recycler



*Featuring an optional sound enclosure
for optimal noise reduction*

QUIET-PAK

Tremendous Cleaning for 440,000 lbs. (200 tonnes) Drill Rigs & Below!

- Mud pumping & cleaning in the same package for small jobsites
- The combined package reduces 1 load during transport

MCR-10000

Mud Recycler

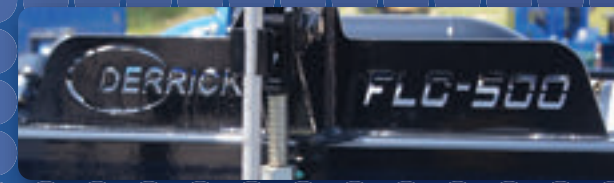


The Best Capacity in the HDD Industry!

- Mixes, cleans and transfers drilling fluid at the same time
- Reduces volume of solids by controlling the overall moisture content which leads to easier fluid disposal
- State-of-the-art Krebs G-Max desilting hydro-cones produce finer, sharper particle separations at high capacities
- Supercharge (centrifugal pump assembly)

MCD-1000

Mud Recycler



Customer-Focused & Customer-Driven Design!

- Mechanical tank agitation to reduce solids buildup
- 3-tank system with up to 1,000 U.S. gallons (3,785 L) / minute cleaning capacity
- Derrick FLC-503 Linear Motion Shakers with patented Pyramid Screen technology: 68% better cleaning than a standard screen in the same amount of space!

Performance Specifications

**Note: All product performance specifications, components, weights, dimensions and other related information are subject to change without notice from the manufacturer.

	MCM - 4000	MPR - 6000	MCR - 10000	MCD - 1000
Power Train	Generator Set: Gen-Tech 115kW, prime rating 480 volt, 60 Hz with 120/208 volt accessory circuit for work lights, heater, etc. Fuel Capacity: 42 U.S. gallons (159 L) Noise Rating: 97 dB(A) without attenuation	Engine: CAT C-15 Tier III Diesel Battery: (2) Deka 908DMF 12 V, 1450 CCA Rating: 475 HP (354 kW) Generator Set: Gen-Tech 135kW, prime rating 480 volt, 60 Hz Noise Rating: 1 meter distance - 104 dB(A) 3 meter distance - 95 dB(A) Generator Set Noise Rating: 97 dB(A) without attenuation Transmission: Eaton FRO-16210B 10 speed Fuel Capacity: 255 U.S. gallons (965 L) Clutch: Clutch dual plate with air actuator	Generator Set: 225 kW prime rating - 60 Hz Cummins Diesel 8.9 L Fuel Capacity: 220 U.S. gallons (833 L) Noise Rating: 1 m distance: 90 dB(A) 3 m distance: 86 dB(A)	Generator Set: Gen-Tech 280 kW prime rating, 480 volt, 60 Hz (50 Hz Genset as required) Noise Rating: 1 m distance: 90 dB(A) 3 m distance: 86 dB(A)
Operating Controls	Remote Controls: Pendant for offload valve start/stop Pendant for Trash Pump valve start/stop	Remote Controls: Mud Pump throttle, mud pump start/stop, clutch actuator, horn Remote Instruments: Digital mud flow meter (gal per minute / liters per minute), analog engine tachometer	Remote Controls: Pendant for offload valve start/stop Pendant for Trash Pump valve start/stop	Remote Controls: Pendant for offload (Supercharge) valve start/stop Pendant for Trash Pump valve start/stop
Mud Pumps	Pump Type: Centrifugal Pump Pump Motors: (1) 3-phase electric, 30 HP (22 kW) 480V, for Mixing / Tank Agitation inlet size: 6 in. (152 mm) outlet size: 5 in. (127 mm) impeller size: 10 in. (254 mm) Pump Motors: (1) 3-phase electric, 20 HP (14.9 kW) 480V, for Charging of Hydro-Cyclones / Tank Agitation inlet size: 4 in. (101 mm) outlet size: 3 in. (76.2 mm) impeller size: 10 in. (254 mm) Bentonite Mixer: Polyethylene constructed dry bentonite mix hopper	Pump Type: Tri-Plex 600 GPM, Bore Stroke 6 in. x 6in. (152.4 mm x 152.4 mm) Maximum Flow: 600 U.S. gallons (2,271 L) / minute Maximum Pressure: 1,505 psi (104 bar) Pump Motors: (1) 3-phase electric, 30 HP (22 kW) 480V, for Mixing / Tank Agitation inlet size: 6 in. (152.4 mm) outlet size: 5 in. (127 mm) impeller size: 10 in. (254 mm) Pump Motors: (1) 3-phase electric, 30 HP (22 kW) 480V, for Charging of Hydro-Cyclones / Tank Agitation inlet size: 6 in. (152.4 mm) outlet size: 5 in. (127 mm) impeller size: 10 in. (254 mm) Pump Motors: (1) 3-phase electric, 25 HP (18.6 kW) 480V, for Supercharging of Tri-Plex Pump inlet size: 6 in. (152.4 mm) outlet size: 5 in. (127 mm) impeller size: 9.5 in. (241.3 mm) Bentonite Mixer: Polyethylene constructed dry bentonite mix hopper Other Features: Pulsation dampeners on inlet and discharge, liner wash system with supply tank	Pump Type: Centrifugal Pump Pump Motors: (1) 3-phase electric, 50 HP (37 kW) 480V, for Mixing / Tank Agitation inlet size: 6 in. (152 mm) outlet size: 5 in. (127 mm) impeller size: 11 in. (279 mm) Pump Motors: (1) 3-phase electric, 60 HP (45 kW) 480V, for Charging of Hydro-Cyclones / Tank Agitation inlet size: 8 in. (203 mm) outlet size: 6 in. (152 mm) impeller size: 14 in. (355 mm) Bentonite Mixer: Polyethylene constructed dry bentonite mix hopper	Pump Type: Centrifugal Pump Pump Motors: (1) 3-phase electric, 50 HP (37 kW) 480V, for Mixing / Tank Agitation, top box mount, 250 series, mechanical seal inlet size: 6 in. (152 mm) outlet size: 5 in. (127 mm) impeller size: 11 in. (279.4 mm) Pump Motors: (1) 3-phase electric, 50 HP (37 kW) 480V, for Desanding, top box mount, 250 series, mechanical seal inlet size: 6 in. (152 mm) outlet size: 5 in. (127 mm) impeller size: 10.5 in. (266.7 mm) Pump Motors: (1) 3-phase electric, 50 HP (37 kW) 480V, for Desilting, top box mount, 250 series, mechanical seal inlet size: 6 in. (152 mm) outlet size: 5 in. (127 mm) impeller size: 10.5 in. (266.7 mm) Bentonite Mixer: Polyethylene constructed dry bentonite mix hopper Discharge Hose: (2) 6 in. x 25 ft. (152.4 mm x 7.6 m) Supercharge Pump Assembly - optional
Cleaning System	Linear Motion Shakers: 1st cut with 27 ft ² (2.51 m ²) area with (3) 50 mesh screens 2nd cut with 18 ft ² (1.67 m ²) area with (2) 140 mesh screens <i>Various additional mesh sizes available</i> 1st Cut Shaker Cleaning Capacity: Estimated 300 U.S. gallons (1,135.5 L) / per minute Desilting System: (7) 5 in. (127 mm) Desilter Hydro-Cyclones manifold mounted Desilting System Cleaning Capacity: Estimated 560 U.S. gallons (2,210 L) / per minute	Linear Motion Shakers: 1st cut with 27 ft ² (2.51 m ²) area with (3) 50 mesh screens 2nd cut with 18 ft ² (1.67 m ²) area with (2) 140 mesh screens <i>Various additional mesh sizes available</i> 1st Cut Shaker Cleaning Capacity: Estimated 300 U.S. gallons (1,135.5 L) / per minute Desilting System: (9) 5 in. (127 mm) Desilter Hydro-Cyclones manifold mounted Desilting System Cleaning Capacity: Estimated 720 U.S. gallons (2,725 L) / per minute	Linear Motion Shakers: (3) 1st cut with 27 ft ² (2.51 m ²) area with (3) 50 & (6) 70 mesh screens (2) final cut with 27 ft ² (2.51 m ²) area with (3) 175 & (3) 210 mesh screens <i>Various additional mesh sizes available</i> 1st Cut Shaker Cleaning Capacity: Estimated 900 U.S. gallons (3,406 L) / per minute Partical Separtion System: (4) 10 in. (254 mm) <i>Krebs gMax</i> [®] desanding / desilting hydro-cones manifold mounted Partical Separation System Cleaning Capacity: Estimated 1,500 U.S. gallons (5,678 L) / per minute	Derrick FLC-503 Linear Motion Shakers: (2) 1st cut with 24.9 ft ² (2.31 m ²) non-blanked screen area with PMD screens (1) Intermediate cut with 24.9 ft ² (2.31 m ²) non-blanked screen area with PMD screens (1) Final cut with 24.9 ft ² (2.31 m ²) non-blanked screen area with PMD screens Shaker Screens: (6) API 50 Derrick PMD (pyramid) screens included (3) API 120 Derrick PMD (pyramid) screens included (3) API 200 Derrick PMD (pyramid) screens included <i>Additional mesh sizes available</i> Cleaning Capacity: Up to 1,000 U.S. gallons (3,785 L) / per minute (2) <i>Krebs gMax</i> [®] 10 in. (254 mm) hydrocyclones (desanding) (16) Harrisburg-style 5 in. (127 mm) hydrocyclones (desilting)
Tanks	1st Screening Tank: 1,333 U.S. gallons (5,045 L) capacity 2nd Cleaning Fluid / Mixing Tank: 2,667 U.S. gallons (10,095 L) capacity Other Features: 18 in. (457 mm) cleanout ports	Screen Tank: 2,000 U.S. gallons (7,571 L) capacity Cleaning Fluid / Mixing Tank: 4,000 U.S. gallons (15,140 L) capacity Other Features: 18 in. (457 mm) cleanout ports	Screen Tank: 5,600 U.S. gallons (21,200 L) capacity Cleaning Fluid / Mixing Tank: 3,700 U.S. gallons (14,010 L) capacity Other Features: 18 in. (457 mm) cleanout ports	Screen Tank: 3,800 U.S. gallons (14,385 L) capacity Intermediate Tank: 2,700 U.S. gallons (14,005 L) capacity Cleaning Fluid / Mixing Tank: 2,800 U.S. gallons (10,600 L) capacity Other Features: 18 in. (457 mm) cleanout ports



Transport Info. & Extras

**Note: All product performance specifications, components, weights, dimensions and other related information are subject to change without notice from the manufacturer.

	MCM - 4000	MPR - 6000	MCR - 10000	MCD - 1000
Transport	Standard Mounting: Tandem axle pintle hitch trailer Axle Spacing: 3 ft. 6 in. (1.06 m)	Mounting: Rock-over design on tri-axle suspension Axle Spacing: 4 ft. 6 in. (1.22 m) Kingpin Diameter: 2 in. (51 mm) Lift Jacks: (2) Hydraulically operated lift jacks raise the front to 52 in. (1,321 mm) clearance at the kingpin Lift Jack Cylinder: (2) 5 in. bore x 42 in. stroke (127 mm x 1,067 mm) Lift Jack Motor: (1) 10 HP (7.5 kW)	Mounting: Rock-over design on tri-axle suspension Axle Spacing: 4 ft. 6 in. (1.22 m)	Mounting: Rock-over design on tri-axle suspension Axle Spacing: 4 ft. 6 in. (1.22 m)
Dimensions	Length: 38 ft. 6 in. (11.7 m) Height: 13 ft. 3 in. (4 m) Width: 8 ft. 2 in. (2.5 m)	Length: 51 ft. 6 in. (15.7 m) Height: 13 ft. 1 in. (4 m) Width: 8 ft. 2 in. (2.5 m)	Length: 53 ft. (16.2 m) Height: 13 ft. 1 in. (4 m) Width: 8 ft. 2 in. (2.5 m)	Length: 53 ft. (16.2 m) Height: 13 ft. 1 in. (4 m) Width: 8 ft. 2 in. (2.5 m)
Weight	Total Weight: 25,580 lbs. (11,603 kg)	Total Weight: 60,800 lbs. (27,580 kg)	Total Weight: 74,000 lbs. (33,566 kg)	Total Weight: 73,000 lbs. (33,112 kg)
Safety	<ul style="list-style-type: none">• Anti-slip walkways• (4) Walkway hand rails• Stairway & ladder with anti-slip treads• Emergency shutdown switch on operator's control panel• Electrical grounding stake with cable• Work lights - (2) 500 watt quartz	<ul style="list-style-type: none">• Walkways with hand rails• Stairway & ladder with anti-slip treads• Emergency shutdown switch on operator's control panel• Electrical grounding stake with cable• Work lights - (4) 500 watt quartz	<ul style="list-style-type: none">• Anti-slip Walkways with hand rails• Stairway & ladder with anti-slip treads• Emergency shutdown switch on operator's control panel• Electrical grounding stake with cable• Work lights - (4) 500 watt quartz	<ul style="list-style-type: none">• Anti-slip Walkways with hand rails• Stairway & ladder with anti-slip treads• Emergency shutdown switch on operator's control panel• Electrical grounding stake with cable• Work lights - (4) 500 watt quartz



QUIET-PAK
Sound Enclosure

P-350

Mud Pump



Made for Your Mid-Size Projects!

- Ten-speed transmission for variable flow requirements
- Direct drive increases efficiency and reduces fuel consumption
- Excellent serviceability even in the Quiet Pak sound enclosure

Mud Motor Size (in. / mm)	3 ³ / ₈ / 85.72	3 ½ / 88.9	4 ³ / ₄ / 120.6	6 ³ / ₄ / 171.4
Flow Rate (GPM / LPM)	30-120 / 113.6-454.2	75-160 / 283.9-605.7	100-250 / 378.5-946.4	300-600 / 1136-2271

P-600

Mud Pump



 **QUIET-PAK**
Sound Enclosure



American Augers mud pumps are stand-alone, self-powered machines. They are ideal accessories with mud motors, large reamers or wherever mud volume is needed downhole.

Field-Proven Design!

- Remote control from the driller's cabin
- Adaptable to any brand of drill

P-750

Mud Pump



- Keep the bore flushed clean of cuttings to allow consistent flow
- The compact skid mounting provides a small footprint on your jobsite
- Compatible with any drill brand; just right for contractors with many sizes, makes and models of drill equipment



Maximum Fluid Power Downhole!

- Assists the Maxi-Rigs for all-out performance
- Mechanically driven through a ten-speed transmission for efficiency and variability

Performance Specifications

**Note: All product performance specifications, components, weights, dimensions and other related information are subject to change without notice from the manufacturer.

	P-350	P-600	P-750
Power Train	<p>Engine: CAT C-7.1 Tier 4i Diesel CAT C6.6 Tier III, 275 HP available for some regions</p> <p>Fuel Capacity: 180 U.S. gallons (681 L)</p> <p>Rating: 275 HP (205 kW)</p> <p>Transmission: Eaton-FRO-11210B, 10 speed</p> <p>Battery: (2) Deka 908DMF 12V, 1450 CCA</p>	<p>Engine: CAT C-15 Tier III Diesel <i>* Tier III or Tier 4i determined by country of purchase</i></p> <p>Fuel Capacity: 300 U.S. gallons (1,136 L)</p> <p>Rating: 475 HP (354 kW)</p> <p>Transmission: Eaton-FRO-16210B, 10 speed</p> <p>Max. Speed: 2100 RPM</p> <p>Clutch: 15 ½ in. (394 mm) twin disk</p> <p>Noise Rating: 1 meter distance 98 dB(A) 3 meter distance 92 dB(A)</p> <p>Battery: (2) Deka 908DMF 12V, 1450 CCA</p>	<p>Engine: CAT C-18 Tier III Diesel <i>* Tier III or Tier 4i determined by country of purchase</i></p> <p>Fuel Capacity: 300 U.S. gallons (1,136 L)</p> <p>Rating: 600 HP (447 kW)</p> <p>Transmission: Eaton-RTLO-22918B, 10 speed</p> <p>Max. Speed: 2100 RPM</p> <p>Clutch: 15 ½ in. (394 mm) twin disk</p> <p>Noise Rating: 1 meter distance 104 dB(A) 3 meter distance 95 dB(A)</p> <p>Battery: (2) Deka 908DMF 12V, 1450 CCA</p>
Pump	<p>Pump Design: Tri-Plex piston and liner pressure lube system</p> <p>Max. Pressure: 1,300 psi (90 bar)</p> <p>Rated Capacity: 350 U.S. gallons* (1,325 L) / minute</p> <p>Bore x Stroke: 4 ½ x 5 in. (114.3 x 127 mm)</p> <p><small>*Note: Pump capacity will vary depending on the overall mud weight, drilling fluid mixture/content and working elevation</small></p>	<p>Pump Design: Tri-Plex 600 GPM</p> <p>Max. Pressure: 1,505 psi (104 bar)</p> <p>Rated Capacity: 600 U.S. gallons* (2,067 L) / minute</p> <p>Bore x Stroke: 6 x 6 in. (152.4 x 152.4 mm)</p> <p><small>*Note: Pump capacity will vary depending on the overall mud weight, drilling fluid mixture/content and working elevation</small></p>	<p>Pump Design: Quintiplex piston and liner</p> <p>Max. Pressure: 1,500 psi (103 bar)</p> <p>Rated Capacity: 750 U.S. gallons* (2,839 L) / minute</p> <p>Bore x Stroke: 5 ½ x 7 ⅞ in. (139.7 x 200mm)</p> <p><small>*Note: Pump capacity will vary depending on the overall mud weight, drilling fluid mixture/content and working elevation</small></p>
Controls	<p>Remote Ctrl: Mud pump throttle, Mud pump start/stop, clutch actuator, horn</p> <p>Instruments: Digital mud flow meter (gallons / liters per minute)</p>	<p>Remote Ctrl: Mud pump throttle, Mud pump start/stop, clutch actuator, horn remote</p> <p>Instruments: Digital mud flow meter (gallons / liters per minute)</p>	<p>Remote Ctrl: Mud pump throttle, Mud pump start/stop, clutch actuator, horn remote</p> <p>Instruments: Digital mud flow meter (gallons / liters per minute)</p>
Dimensions and Weights	<p>Length: 17 ft. (5.18 m)</p> <p>Height: 8 ft. 6 ½ in. (2.6 m)</p> <p>Width: 8 ft. (2.44 m)</p> <p>Total Weight: 28,000 lbs. (12,700 kg)</p>	<p>Length: 20 ft. (6.096 m)</p> <p>Height: 9 ft. (2.7 m)</p> <p>Width: 8 ft. (2.44 m)</p> <p>Total Weight: 39,600 lbs. (17,962 kg)</p>	<p>Length: 25 ft. 6 in. (7.8 m)</p> <p>Height: 10 ft. 3 in. (2.49 m)</p> <p>Width: 8 ft. (2.44 m)</p> <p>Total Weight: 47,800 lbs. (21,680 kg)</p>
Accessories	<p>Pulsation Dampener on Inlet and Discharge</p> <p>(2) 25 ft. (7.6 m) suction hoses with 6 in. (152.4 mm) kamlock fittings</p> <p>(2) 25 ft. (7.6 m) discharge hoses with 3 in. (76.2 mm) NPT hammer unions</p> <p>33 US gallons (125 L) / minute liner wash system with supply tank</p> <p>(2) 24 volt LED Work Lights</p>	<p>Pulsation Dampener on Inlet and Discharge</p> <p>(2) 25 ft. (7.6 m) suction hoses with 6 in. (152.4 mm) kamlock fittings</p> <p>(2) 25 ft. (7.6 m) discharge hoses with 3 in. (76.2 mm) NPT hammer unions</p> <p>Liner wash system with supply tank</p> <p>(2) 24 volt Work Lights</p>	<p>Pulsation Dampener on Inlet and Discharge</p> <p>(2) 25 ft. (7.6 m) suction hoses with 6 in. (152.4 mm) kamlock fittings</p> <p>4 in. (102 mm) NPT hammer union discharge connection</p> <p>Liner wash system with supply tank</p> <p>(2) 24 volt Work Lights</p>

