



## Recyclinganlagen

### Recyclinganlage - M-200D



## FEATURES

Built for the 100,000 lb drill class and down.

- 200 gpm capacity of backreamed drill fluid. Sized for how you work.
- Single deck shaker for easy maintenance and visibility during operation
- Excellent tank agitation to keep solids in suspension so they can be removed
- Solid deck to prevent contamination from falling into the tank
- Continuous duty electric pit pump for easy control and performance



# SPECIFICATIONS

## Generator

- Size- Kw (Prime Power) / Volt / Hz90 / 480 / 60
- TypeGEN-TECH III
- Fuel Capacity- G (L)55 (208)
- Fuel Consumption- Gph (Lph)/ Hour @ Load5 (19)/ HOUR @ 75%
- Noise Rating Distance1M 86 DB, 3M 82 DB

## Operating Controls

- Remote Controls AvailableYes
- Offload (Supercharge) Start/ StopYes
- Pit Pump Start/ StopYes

## Mud Pumps

- Centrifugal Pumps250 series with mechanical seal and 25 HP motors
- Cone Supply & Agitation3 in. x 4 in. with 10.5 in. Impeller
- Mud Mix & Agitation3 in. x 4 in. with 10.5 in. Impeller
- Offload & Agitation3 in. x 4 in. with 9 in. Impeller
- Bentonite MixerPolyethylene dry bentonite mix hopper

## Cleaning System

- Derrick FLC-503 Linear Motion Shaker (1)3 panel with 34.5 Ft<sup>2</sup> non-blank screen area
- Shaker Screens Included(1) API 60 Derrick PMD+ (pyramid plus)
- (1) API 50 Derrick PMD+ (pyramid plus)
- (1) API 140 Derrick PMD+ (pyramid plus)
- 1st Cut Shaker Cleaning Capacityup to 200 U.S. gal. (760 L)/min
- Desilting Cones(5) 5 in (127 mm) desilter hydrocyclones
- Desilting Capacityup to 600 U.S. gal. (2,271 L)/min

## Tanks

- Total Tank Capacity3,000 U.S. gal (11,356 L)
- Screen Tank1,700 U.S. gal (6,435 L)
- Clean Fluid/Mixing Tank1,300 U.S. gal (4,921 L)
- Cleanout Port Size - In. (Mm)18 (457)

## Weights - Lb. (Kg)

- Estimated Machine Weight- Lbs (Kg)21,000 (9,525)



- Estimated Machine Weight W/ Trailer- Lbs (Kg)27,600 (12,600)

### *Dimensions - Lb. (Kg)*

- Maximum Length- Ft (M)20.0 (6.1)
- Maximum Height- Ft (M)10.0 ( 3.05)
- Maximum Width- Ft (M)8.0 (2.44)
- Maximum Length W/ Trailer- Ft (M)26.2 (7.98)
- Maximum Height W/ Trailer- Ft (M)13.0 (3.96)
- Maximum Width W/ Trailer- Ft (M)8.6 (2.59)



## Recyclinganlage – M-300D



## FEATURES

The small footprint and ultra-quiet operation make the M-300D fluid cleaning system ideal for use in urban and suburban locations, yet its robust design ensures long-life reliability in daily off-road use towed behind heavy equipment.

The system's 300 gpm flow rate is achieved through "next level" cleaning system technology. The technology other systems have utilized for years just can't manage this rate of flow. The M-300D is based on a state-of-the-art, single-derrick shaker design and four screens using patented Pyramid technology. The result is that the M-300 not only provides a true, first-cut 300 gpm capacity but maintains one-half percent sand or less in fluid returned to the hole – that's exceptionally clean.



## SPECIFICATIONS

### *Generator*

- Size- Kw (Prime Power) / Volt / Hz90 / 480 / 60
- TypeGEN-TECH III
- Fuel Capacity- G (L)55 (208)
- Fuel Consumption- Gph (Lph)/ Hour @ Load5 (19)/ HOUR @ 75%
- Noise Rating Distance1M 86 DB, 3M 82 DB

### *Operating Controls*

- Remote Controls AvailableYes
- Offload (Supercharge) Start/ StopYes
- Pit Pump Start/ StopYes

### *Mud Pumps*

- Centrifugal Pumps250 series with mechanical seal and 25 HP motors
- Cone Supply & Agitation3 in. x 4 in. with 10.5 in. Impeller
- Mud Mix & Agitation3 in. x 4 in. with 10.5 in. Impeller
- Offload & Agitation3 in. x 4 in. with 9 in. Impeller
- Bentonite MixerPolyethylene dry bentonite mix hopper

### *Cleaning System*

- Derrick FLC-503 Linear Motion Shaker (1)4 panel with 46 Ft<sup>2</sup> non-blank screen area
- Shaker Screens Included(1) API 50 Derrick PMD+ (pyramid plus)
- (2) API 60 Derrick PMD+ (pyramid plus)
- (1) API 140 Derrick PMD+ (pyramid plus)
- 1st Cut Shaker Cleaning Capacityup to 300 U.S. gal (1,136 L)/min
- Desilting Cones(5) 5 in. (127 mm) desilter hydrocyclones
- Desilting Capacityup to 600 U.S. gal (2,271 L)/min

### *Tanks*

- Total Tank Capacity3,100 U.S. gal (11,735 L)
- Screen Tank1,800 U.S. gal (6,814 L)
- Clean Fluid/Mixing Tank1,300 U.S. gal (4,921 L)
- Cleanout Port Size In. (Mm)18 (457)
-



### *Weights - Lb. (Kg)*

- Estimated Machine Weight- Lbs (Kg)22,000 (9,980)
- Estimated Machine Weight W/ Trailer- Lbs (Kg)28,600 (12,973)

### *Dimensions - Lb. (Kg)*

- Maximum Length- Ft (M)22.6 (6.9)
- Maximum Height- Ft (M)10.0 ( 3.05)
- Maximum Width- Ft (M)8.0 (2.44)
- Maximum Length W/ Trailer- Ft (M)27.3 (8.3)
- Maximum Height W/ Trailer- Ft (M)13.0 (3.96)
- Maximum Width W/ Trailer- Ft (M)8.6 (2.59)



# Recyclinganlage – M-500PD



## FEATURES

A packaged pumping and cleaning solution for 100 tonne up to 200-tonne drill systems

- 2 Derrick separation shakers, one first cut, and one cone shaker
- Single package reduces space on site and number of loads to move
- Mechanical tank agitation improves circulation and decreases tank wear
- Dual control panels on each end of the work platform for ease of operation
- Wired to power your offboard operators cabins

## SPECIFICATIONS

### *Generator*

- Size KW (Prime Power) / Volt / HZ 180 / 480 / 60
- Type STATELINE T4F
- Fuel Capacity U.S. GAL. (L) (Shared) 300 (1135)
- Fuel Consumption U.S. GAL/hr (L/hr) Full Power 10.3 (39)

### *Operating Controls*

- Remote Controls Available
- Offload (SUPERCHARGE) Start/Stop Yes
- Pit Pump Start/Stop Yes



- Clutch ActuatorYes

### *Mud Pumps*

- Centrifugal Pumps250 series with mechanical seal
- Cone Supply 40HP6. in x 5 in. with 10.5 in. Impeller
- Mud Mix & Agitation 40HP6 in. x 5 in. with 10.5 in. Impeller
- Supercharge 25HP6 in. x 5 in. with 9.5 in. Impeller
- Bentonite MixerPolyethylene dry bentonite mix hopper

### *Cleaning System*

- Derrick FLC-503 Linear Motion Shaker (2)3 panel with 34.5 Ft<sup>2</sup> non-blank screen area each
- Shaker Screens Included(3) API 50 Derrick PMD+ (pyramid plus)
- (3) API 170 Derrick PMD+ (pyramid plus)
- 1st Cut Shaker Cleaning Capacityup to 500 U.S. gal. (1,893 L)/min
- Desilting Cones(10) 5 in. (127 mm) desilter hydrocyclones
- Desilting Conesup to 900 U.S. gal. (3,407 L)/min
- Shaker Washdown SystemYes
- Mud Sampling ValveYes
- Fold-down Discharge ChutesYes

### *Tanks*

- Total Tank Capacity- Gal (L)6,600 (24,983)
- Screen Tank- Gal (L)3,000 (11,356)
- Clean Fluid/ Mixing Tank- Gal (L)3,600 (13,627)
- Intermediate Tank- Gal (L)N/A
- Cleanout Port Size- In (Mm)18.0 (457.0)
- 

### *Pressure Wash*

- Tank Size- Gal (L)80 (303)
- Electric Pump- Hp (Kw)3 (2.20)
- Estimated Output- Gpm (Lpm) @ Psi (Bar)2.1 (7.95) @ 1500 (103.42)
- Hose Length- Ft (M)100 (30.48)
- Hose Size- In (Mm).375 (9.52)
- W/ Hose ReelYes
- W/ Power WandYes

### *Transport*

- Transport TypeRock-over Design On Tri-axle Suspension





- Kingpin Size - In (MM)2.0 (50.8)
- Operation TypeHydraulic
- Lift Clearance at Kingpin- In (MM)52.0 ( 1,320)

### *Weights - LB. (Kg)*

- Estimated Machine Weight Lbs (Kg)75,000 (34,019)

### *Dimensions - FT. (M)*

- Maximum Length ft (M)53.0 (16.2)
- Maximum Height ft (M)13.1 (4)
- Maximum Width ft (M)8.2 (2.5)



## Recyclinganlage – MCD1000



**FEATURES** Our first Derrick shaker cleaning system. It has captured the respect in the industry as a great performance machine and has changed the way we all think about fluid cleaning systems. We used this success to launch the design of all our smaller cleaning systems.

- 4 Derrick shaker system, 2 first cut, 1 de-sander and 1 de-silter
- 3 tank system to provide the cleanest fluid possible back to the fluid stream
- Mechanical agitation for keeping any solids in suspension
- First cut capacity to get the solids out before they go in the system which allows the other components to work efficiently
- Schedule 80 plumbing for long service life



# SPECIFICATIONS

## *Operating Controls*

- Remote Controls Available Yes
- Offload (Supercharge) Start/ Stop Yes
- Pit Pump Start/ Stop Yes

## *Generator*

- Size- Kw (Prime Power) / Volt / Hz 265 / 480 / 60
- Type STATELINE, T4F
- Fuel Capacity- G (L) 300 (1135)
- Fuel Consumption- Gph (Lph)/ Hour @ Load 21.2 (96.3)/ HOUR @ 100% 12.6 (57.2) / HOUR @ 50%
- Noise Rating Distance Not Tested Yet

## *Mud Pumps*

- Centrifugal Pumps 250 series with mechanical seal
- (2) Cone Supply 50HP 6 in. x 5 in. with 11 in. Impeller
- Mud Mix & Agitation 50HP 6 in. x 5 in. with 11 in. Impeller
- Supercharge 30HP 6 in. x 5 in. 9.5 in. Impeller
- Bentonite Mixer Polyethylene dry bentonite mix hopper

## *Tank Agitation System*

- Mechanical Agitator- Qty / Hp (Kw) 3 / 5 (3.73)
- Canted Blade Impeller- Qty / Size- In (Mm) 1 / 32 (812.80) 2 / 30 (762)
- Fluid Transfer Sliding Doors- Qty 2
- Mud Jet Agitation 1

## *Pressure Wash*

- Tank Size- Gal (L) 110 (416.4)
- Electric Pump- Hp (Kw) 3 (2.20)
- Estimated Output- Gpm (Lpm) @ Psi (Bar) 2.1 (7.95) @ 1500 (103.42)
- Hose Length- Ft (M) 100 (30.48)
- Hose Size- In (Mm) .375 (9.52)
- W/ Hose Reel Yes
- W/ Power Wand Yes



## *Tanks*

- Total Tank Capacity- Gal (L)9,300 (35,204)
- Screen Tank- Gal (L)3,800 (14,385)
- Clean Fluid/ Mixing Tank- Gal (L)2,800 (10,600)
- Intermediate Tank- Gal (L)2,700 (14,005)
- Cleanout Port Size- In (Mm)18 (457)

## *Transport*

- Available Or NotYes
- Transport TypeRock-Over Design On Tri-Axle Suspension
- Transport TypeKINGPIN, 2 (50.8)
- Lift JacksYes
- Operation TypeHydraulic
- Lift Clearance At Kingpin- In (Mm)52.0 ( 1,320)

## *Weights - Lb. (Kg)*

- Estimated Machine Weight W/ Trailer- Lbs (Kg)75,000 (34,020)

## *Dimensions - Lb. (Kg)*

- Maximum Length- Ft (M)53.0 (16.2)
- Maximum Height- Ft (M)13.6 (4.11)
- Maximum Width- Ft (M)8.2 (2.5)