

M300DH

CLEANING SYSTEM



FEATURES & BENEFITS

NEXT LEVEL PERFORMANCE

With industry-leading screening capacity, it filters out solids for a continuous stream of drilling fluid, increasing uptime and decreasing fluid stream wearable costs.

BETTER PUMP AND FLUID MIXING

Built with three dedicated centrifugal pumps, the M300DH ensures flow and pressure to each function. The new fluid mixing technology used throughout the system allows the machine to provide drilling fluid on demand and an innovative agitation system keeps solids suspended in the fluid while maintaining a true 300 GPM over the first cut shaker.

DERRICK® HYPERPOOL SHAKER

Equipped with an upgraded Hyperpool shaker from Derrick, the M300DH's screen compression system's new design keeps panels tight against the bedding and restricts solids from falling into the clean fluid—all while keeping changes simple and fast.

VERSATILE DESIGN

The M300DH was built to be mounted for easy maneuverability and quick load in and load outs across tight jobsites and compact spaces. The system was also designed to be compatible with any drill brand, allowing it to work across countless jobs and setups with ease.

M300DH

SPECIFICATIONS

POWER TRAIN	U.S.	METRIC
Generator set	Stateline	
Emissions compliance	T4F	
Fuel capacity	88 gal	333 L

MUD PUMPING SYSTEM

Cone/desifting pump		
Motor	30 hp, 3 phase, 480v	22.4 kW
Pump, centrifugal	250 series with mechanical seal	
Inlet size	4.0 in	101 mm
Outlet size	3 in	76.2 mm
Impeller size	10.5 in	266.7 mm
Agitate/mix pump		
Motor	30 hp, 3 phase, 480v	22.4 kW
Pump, centrifugal	250 series with mechanical seal	
Inlet size	4 in	101 mm
Outlet size	3 in	76.2 mm
Impeller size	10.5 in	266.7 mm
Offload/agitate pump		
Motor	30 hp, 3 phase, 480v	22.4 kW
Pump, centrifugal	250 series with mechanical seal	
Inlet size	4 in	101 mm
Outlet size	3 in	76.2 mm
Impeller size	9 in	228.6 mm
Tank agitation		
Fluid jets	Yes	

CLEANING SHAKER SYSTEM	U.S.	METRIC
Linear motion shaker, make	Derrick®	
Linear motion shaker, model	HyperPool™	
Linear motion shaker, quantity	1	
Non-blanketed screen size	15.4 sq ft	1.4 sq m
1st cut shaker cleaning capacity, max.	300 gpm	1136 L/min
Screen panels, quantity	4	

TANKS

Tank capacity, max	3,000 gal	11,365 L
Screen tank	1,600 gal	6,057 L
Clean fluid / mixing tank	1,400 gal	5,300 L

DIMENSIONS

Length w/ trailer	28.3 ft	8.6 m
Length w/out trailer	20.3 ft	6.2 m
Height w/ trailer	13 ft	3.96 m
Height w/out trailer	10.2 ft	3.1 m
Width w/ trailer	8.5 ft	2.59 m
Width w/out trailer	8 ft	2.44 m
Total weight w/ trailer	28,600 lbs	12972.7 kg
Total weight w/out trailer	22,000 lbs	9979 kg

Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.

