



Elgin's KEMTRON 200HD2 Packaged Drilling Fluid Management System - Measurable Competitive Advantage

Revision B

System Characteristics	KEMTRON 200HD2™	Ditch Witch™ MR90 (Hydraulic System)	Mud Slayer M500	Mud Puppy MP - 170 (Hydraulic System)	ThunderStorm Stormy™	Noteworthy Considerations
Cleaning Capacity	200 GPM	90 GPM (Rated) 35 GPM (Effective)	150 GPM	170 GPM	150 GPM (Rated) 50 GPM (Effective)	Elgin's KEMTRON 200 HD2 utilized a dual deck scalping shaker to ensure maximum hydraulic capacity. This reduces the burden on the hydrocyclone system and provides for improved cut performance. All systems come with optional solids collection bin for zero-discharge capabilities.
Combined Tank Capacity (Clean and Dirty Tank)	1,000	750	500	600	750	Elgin's KEMTRON 200 HD2 provides for a hydraulically balanced mud cleaning system, in which the shaker, hydrocyclones and tank capacity maintain equivalent capacity and performance. All units include a metal venturi hopper for mixing additives and barite into the drilling fluid.
Cleaning Mechanism	Multipass	Single Pass	Single Pass	Single Pass	Single Pass	Elgin's KEMTRON 200 HD2 allows each cut to be returned to the prior tank until the overflow weir system forces the flow into the next cleaning stage. This provides for continuous recirculation within the cleaning system to maximize shaker and hydrocyclone performance.
Shakers	Linear Motion (1) Dual-Deck 2-Panel Hyper-G Shaker	Linear Motion (1) Dual-Deck 2-Panel Shaker	Elliptical Motion (1) Dual-Deck 2- Panel Shaker	Rotary Motion (1) Dual-Deck 2 Panel Shaker	Linear Motion (1) Dual-Deck 3-Panel Shaker	Dual deck Hyper G scalping shakers provide for substantially more effective cleaning capacity. Elgin's KEMTRON 200 HD2 has optional dual-motion variable speed controls.
Total Screening Surface Area	22 sq. ft.	17 sq. ft.	16 sq. ft.	15 sq. ft.	18 sq. ft.	Screening surface area is the key to effective solids control. With the most screening capacity in the market, the KEMTRON 200 HD2 can outperform its competitors in sand and silt removal.
Dimensions (Length x Width x Height)	17' L x 7.8' W x 10.4' H	18' L x 8.3' W x 9.8' H	14' L x 6' W x 6' H	11' L x 5.6' W x 6.6' H	20' L x 8.4' W x 8' H	Though all systems provide for DOT legal transport without the need for special permitting, Elgin's KEMTRON 200HD2 provides for the smallest footprint. The KEMTRON 200 HD2 is configured on a balanced rugged, dual-axel trailer. An optional on-board pressure washer is also available.
Trailer Certification	DOT, TX DOT & ISO 9001	DOT	DOT	DOT	DOT	KEMTRON was the first mobile solids control supplier to obtain an ISO 9001 certification for the manufacture of its packaged mud systems. KEMTRON is also fully license with the State of Texas as a permitted trailer manufacturer.
Hydrocyclones	(3) 4"	(6) 2"	(2) 4"	(2) 5"	(2) 5"	Elgin's KEMTRON 200 HD2 provides for a fully hydraulically balanced mud cleaning system that offers a true 200 GPM volumetric throughput.
Generator	20 KW Generator Package	18 KW Generator Package	37 KW Generator Package	28 KW Generator Package	20 KW Generator Package	Elgin's KEMTRON 200 HD2 offers a class leading 25 gallon fuel tank that provides up to 16 hours of operation.
Agitation	(2) High Pressure Mud Guns	(1) High Pressure Mud Gun	(1) High Pressure Mud Gun	(1) High Pressure Mud Gun	(1) High Pressure Mud Gun	Elgin KEMTRON 200 HD2 provides the most agitation power per unit volume of mud to ensure complete mixing within all tanks.
Controls	Centralized Panel With Optional Wifi Remote Capability	Centralized Panel	Centralized Panel	Centralized Panel	Centralized Panel	Elgin's NEMA 4X Stainless Steel control panel provides 100% control of all systems. The KEMTRON 200 HD2 comes with an optional local wifi access via smart-phone or tablet.
Pumps	(2) 2x3 118 Series (10HP) Centrifugal Pumps	(1) Flomax Gear Pump	(2) 2x3 118 Series Centrifugal Pumps	(2) 2x3 118 Series Centrifugal Pumps	(2) 2x3 118 Series (7.5HP) Centrifugal Pumps	Elgin's KEMTRON 200 HD2 offers class leading (10 HP) Centrifugal pumps to maximize pressures needing to ensure for proper mixing, optimum hydrocyclone performance, reduced hopper clogging, and adequate transfer pressure back to drilling rig.
Trailer	Pintle-Hook 24K Dual-Axel Trailer	Pintle-Hook 14K Dual-Axel Trailer	Ball Hitch 3500lb Dual-Axel Trailer	Ball Hitch 7k Dual-Axel Trailer	Ball Hitch 20K Dual-Axel Trailer	Elgin's premium dual-axel trailer provides for a more rugged and stable operating platform. Available for fully integrated hydraulic jacks.
Tank Lining	Phenoic Liner	Wet Paint	Wet Paint	Wet Paint	Wet Paint	Elgin's tanks are fully lined with a phenolic lining to maximize tank life and reduce the effects associated with the circulation of abrasive solids. Helps extend equipment life when treating and managing erosive solids.

*Items highlighted in yellow are clear competitive advantages and illustrate the KEMTRON 200 HD2 improved solids handling, mixing, treatment efficiency, and ergonomic design.