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MAMMOTH

76

The Mammoth-2276 larger bowl is complemented by a KHT-125 96:1 gearbox. This gearbox creates an output of 175,000 in/lb—far superior to the industry average which typically only creates 30,000 to 53,000 in/lb. Ultimately, the KHT-125 gearbox facilitates an increase in the volume of solids that the Mammoth-2276 can remove. This is critical when working with weighted fluids where the required volume of solids to be removed is substantial, requiring additional torque from the centrifuge.

TECHNICAL SPECIFICATIONS MAMMOTH-2276

Bowl Dimensions	Imperial - 22" x 76" Metric - 560mm x 1939mm
Skid Dimensions	Imperial - 150" x 84" x 60" Metric - 3.8m x 2.1m x 1.5m
Main Drive	100HP - Variable Speed
Operating RPM	800-2500 rpm - Variable Speed Max 3100
Capacity	Water (Hydraulic) - 660 GPM 2500L/min 150m ³ /hr Unweighted Mud (1100kg/m ³ 9PPG) = 528 GPM or 2000 L/min or 120m ³ /hr <small>(Pump Rate will decrease as mud weight/viscosity increases.)</small>
Nominal G-Force	1312g at 2100 rpm
Nominal Cut-Point	2-10 Micron (Based on Drilling Fluid Rheology)
Nominal Retention Time	5 seconds
Feed Tube I.D.	2.5"
Feed Pump	4" x 3" Mission Magnum c/w Mechanical Seal Gorman-Rupp's Optional
Conveyor	Single Lead, Variable Pitch with Tungsten Carbide Hard-Faced Protection
Gearbox	96:1(175,000 in/lb) 20 kNm
Beach	7 Degree: 32.5" Length
Weight	16,000 lb (7250 kg)
Electrical Requirements	480v 3 Phase: 1-100 amp 3W4P Plug

