

# 22

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

<b>Bowl Dimensions</b>	Imperial - 22" x 76" Metric - 560mm x 1939mm
<b>Skid Dimensions</b>	Imperial - 150" x 84" x 60" Metric - 3.8m x 2.1m x 1.5m
<b>Main Drive</b>	100HP/ Also Available with 125HP Main and 40/50HP Backdrive
<b>Operating RPM</b>	800-2300 rpm - Variable Speed
<b>Capacity</b>	Water (Hydraulic) - 660 GPM 2500L/min 150m <sup>3</sup> /hr Unweighted Mud (1100kg/m <sup>3</sup> 9PPG) = 528 GPM or 2000 L/min or 120m <sup>3</sup> /hr <small>(Pump Rate will decrease as mud weight/viscosity increases.)</small>
<b>Nominal G-Force</b>	1312g at 2100 rpm
<b>Nominal Cut-Point</b>	2-10 Micron (Based on Drilling Fluid Rheology)
<b>Nominal Retention Time</b>	5 seconds
<b>Feed Tube I.D.</b>	2.5"
<b>Feed Pump</b>	4" x 3" Mission Magnum c/w Mechanical Seal Gorman-Rupp's Optional
<b>Conveyor</b>	Single Lead, Variable Pitch with Tungsten Carbide Hard-Faced Protection
<b>Gearbox</b>	96:1(175,000 in/lb) 20 kNm
<b>Beach</b>	7 Degree: 32.5" Length
<b>Weight</b>	16,000 lb (7250 kg)
<b>Electrical Requirements</b>	480v 3 Phase: 1-100 amp 3W4P Plug

