

EQUIPMENT DATA SHEET: GS 1980

Stream Line version of the GS 1980 High Volume, Variable Frequency Drive Centrifuge, characterized by the stream line design and the Variable Frequency Drive Control System.



Dimensions	
Overall Dimensions & Weight	
Weight	10,590 lbs
Length	200 in
Width	54 in
Height	58 in

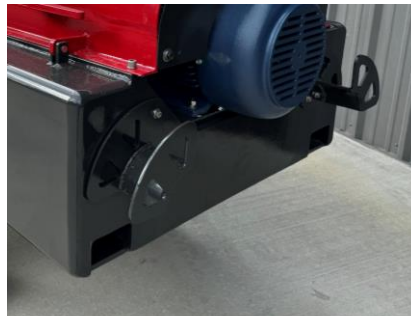


Performances	
G-Force & Feed Rate	
Max Operating Speed	3,200 RPM
Max G-Force	2,763 G
Hydraulic Capacity	528 GPM



Physical Data	
Rotating Assembly	
Bowl Diameter	19 in
Bowl Length	80 in
Pond Setting	4 Adjustable Eccentrics
Bowl Material	2205 Duplex Stainless
Bushings Protection	
Scroll Type	Single Lead Radial Design
Scroll Pitch	5.98 in
Scroll Angle	6 Degree
Flights Protection	Tungsten Carbide Tiles
Pillow Block Bearings	Grease Lubricated - Manual
Internal Bearings	Grease Lubricated - Manual





Physical Data	
Gear Box	
Type	6.0 KnM Two Stage Planetary
Max Output Torque	53,000 in lbs
Gearbox Ratio	169:1
Operating Differential	6/29 (min/max)
Drive & Operating System (Optional)	
Voltage	460v/60Hz, 3 Phase
Main Drive Motor	125 hp
Back Drive Motor	20 hp
Control System	PLC (Programmable Logic Controller)
Drive System	VFD (Variable Frequency Drive)
Safety Features	
Safety Devices	Back Drive Coupling to Protect Gear Box, Micro-switch on Vessel & Guards to Avoid Start-up While Servicing.
Enhancements and Design Features	
Patent Pending Fluid Ports	Easy Adjustment in Field
Solids Discharge Ports	Easily Replaceable in Field
Feed Tube Support	Easy Adjustment In/Out
Cable Rack	Integrated onto Skid
Case Clamps	Easy Open/Close Design
Fork Lift Pockets	Integrated onto skid
Lid Lift Assist	Replaceable Cylinders
Gearbox	Anti-ejection
Back Drive Motor	Skid Nock for Peckerhead

