



Equipment Data Sheet: 3400 Fixed Speed Centrifuge

Low Profile Fixed Speed Machines that offer High G Force solids removal with low maintenance requirements for a wide range of drilling applications.

Dimensions

Overall Dimensions & Weight	
Weight	2,359 kg (5,200 lbs.)
Length X	2,794 mm (110.00 in.)
Height Y	1,679 mm (66.18 in.)
Width Z	1,776 mm (69.96 in.)

Performances

G-Force & Feed Rate	
Max Design Speed	3,600 rpm
Max Operating Speed	3,400 rpm
Max G-Force	2,298 G @ 3,400 rpm
Hydraulic Capacity [TUV Certified]	153.1 m ³ /h (175 GPM)
Max Solids Discharge Rate	12.0 m ³ /h (25 GPM)

Physical Data

Rotating Assembly	
Bowl Diameter (Internal)	355.6 mm (14.00 in.)
Bowl Length (Internal)	1,219.2 mm (48.00 in.)
Pond Setting	Variable Settings Capability
Bowl Material	Stainless Steel Duplex 316
Bushings Protection	Tungsten Carbide Solids Discharge Ports
Scroll Type	Helical - Radial
Scroll Pitch	130 mm (5.12 in.)
Scroll Angle	6°
Scroll Material	Stainless Steel
Flights Protection	Scroll Fitted with Tungsten Carbide Tiles
Pillow Block Bearings	Grease Lubricated - Manual
Internal Bearings	Grease Lubricated - Manual
Feed Tube	Open Ended – LGS Removal
Gearbox	
Type	Planetary Gearbox, Ratio 52:1
Max Output Torque	1,965 Nm (17,400 ft.-lb)
Operating Differential	65 RPM

Physical Data

Drive & Operating System	
Voltage	400/460 Volt, 50/60 Hz, 3 Phase - Standard [690 Volt, 60 Hz, 3 Phase – Optional]
Main Drive Motor	40 HP
Control System	On/Off Control Panel
Drive System	Fixed Speed
Safety Features	
Safety Devices	Torque Limiter shut off
Display (Settings)	None (on fixed speed machines)
Automatic Safety System	Self Shut off when machine exceeds torque limitations.
Certification	
Certification	CE ATEX, Zone 1
Operating Temperature	0 +40°C (+32 +104 °F)
Storage Temperature	-20 +40°C (-4 +104 °F)
Process Fluid Temperature	Drilling Fluid: < 85°C (185°F)

Nozzle Schedule

Connection	
Feed Pipe	2" ANSI B 16.5 Welding Neck
Liquid Discharge	6 in. Victaulic