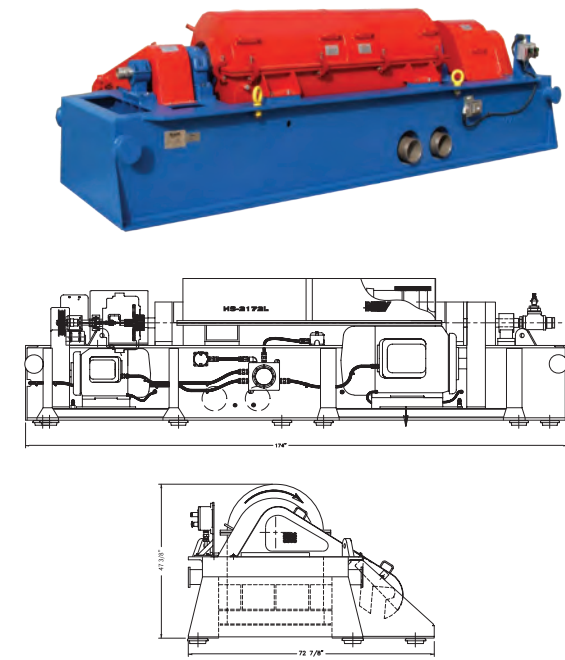


BRANDT Centrifuge Technical Sheet

HS-2172



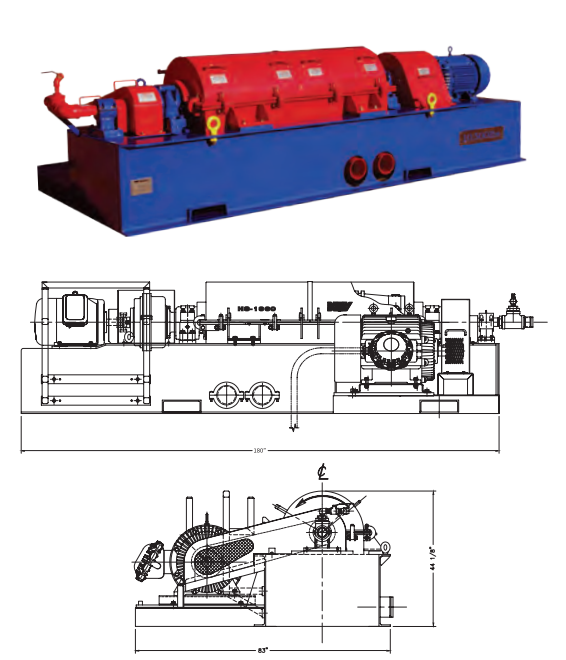
Description

The HS-2172 series centrifuge uses high G-forces to separate fine solids from liquid. The HS-2172 centrifuge is able to exert up to 2,684 G's on the fluid. It is equipped with a variable frequency drive (VFD) control which provides a controlled application of motor drive power to the centrifuge components. With a process capacity up to 550 gal/min (2,082 lit/min), the HS-2172 centrifuge is able to quickly process high volumes of fluid while allowing prescribed fluid weights and separation efficiencies to be maintained. This enables the HS-2172 centrifuge to produce fine cut points at higher flow rates, making it ideal for high-flow applications and critical-conditions solids control.

Specification

Part number	16680
Water capacity	550 gpm (2082 lpm)
Weight	16,430 lbs (7453 kg)
Bowl diameter	21 in. (533 mm)
Bowl length	72 in. (1829 mm)
Bowl speed (rpm)	3000 max
Drive	VFD
G-Force	2684 max, 107 min
Dimensions	174 x 101 x 54 in. (4413 x 2557 x 1380 mm)
Main Drive (bowl)	150 hp
Back drive (conveyor)	40 hp
Beach angle	5

HS-1960



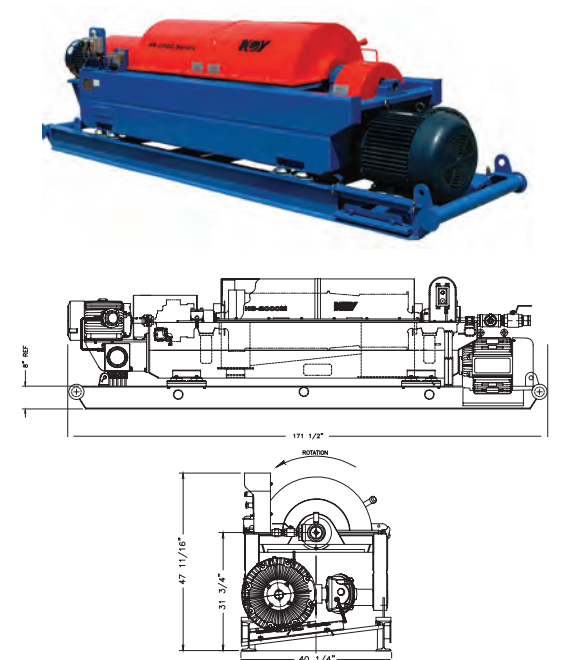
Description

The HS-1960 series centrifuge uses high G-forces to separate fine solids from liquid. The HS-1960 centrifuge is able to exert up to 2,480 G's on the fluid. It is equipped with a variable frequency drive (VFD) control which provides a controlled application of motor drive power to the centrifuge components. With a process capacity up to 350 gal/min (1,325 lit/min), the HS 1960 centrifuge is able to quickly process high volumes of mud while allowing prescribed mud weights and separation efficiencies to be maintained. This enables the HS-1960 centrifuge to produce fine cut points at higher flow rates, making it ideal for high-flow applications and critical-conditions solids control.

Specification

Part number	20000
Water capacity	350 gpm (1325 lpm)
Weight	12,500 lbs (5669 kg)
Bowl diameter	19.4 in. (493 mm)
Bowl length	60 in. (1524 mm)
Bowl speed (rpm)	3000 max
Drive	VFD
G-Force	100 to 2476
Dimensions	160 x 83 x 44 in. (4064 x 2108 x 1123 mm)
Main drive (bowl)	100 / 125 hp
Back drive (conveyor)	40 hp
Beach angle	5

HS-2000



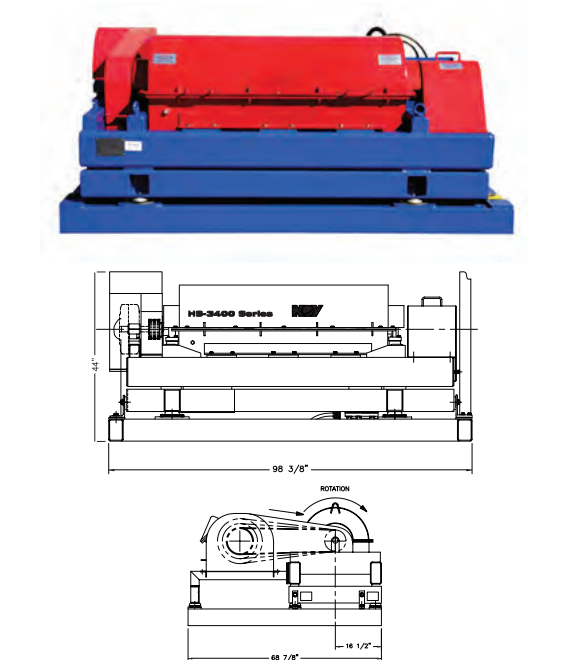
Description

The HS-2000 series centrifuge uses high G-forces to separate fine solids from liquid. The HS-2000M is able to exert up to 2,617 G's on the fluid. The HS-2000M is equipped with a variable frequency drive(VFD) control which provides a controlled application of motor drive power to the centrifuge components. With a process capacity up to 250 gal/min (946 lit/min), the HS-2000M series centrifuge offers outstanding performance over a wide range of applications and conditions.

Specification

Part number	15670
Water capacity	250 gpm (946 lpm)
Weight	7500 lbs (3402 kg)
Bowl diameter	18 in. (457 mm)
Bowl length	60 in. (1524 mm)
Bowl speed (rpm)	3200 Max
Drive	VFD
G-Force	115 min to 2618 max
Dimensions	175 x 41 x 44 in. (4437 mm x 1035 mm x 1118 mm)
Main drive (bowl)	75 hp
Back drive (conveyor)	30 hp
Beach angle	5

HS-3400



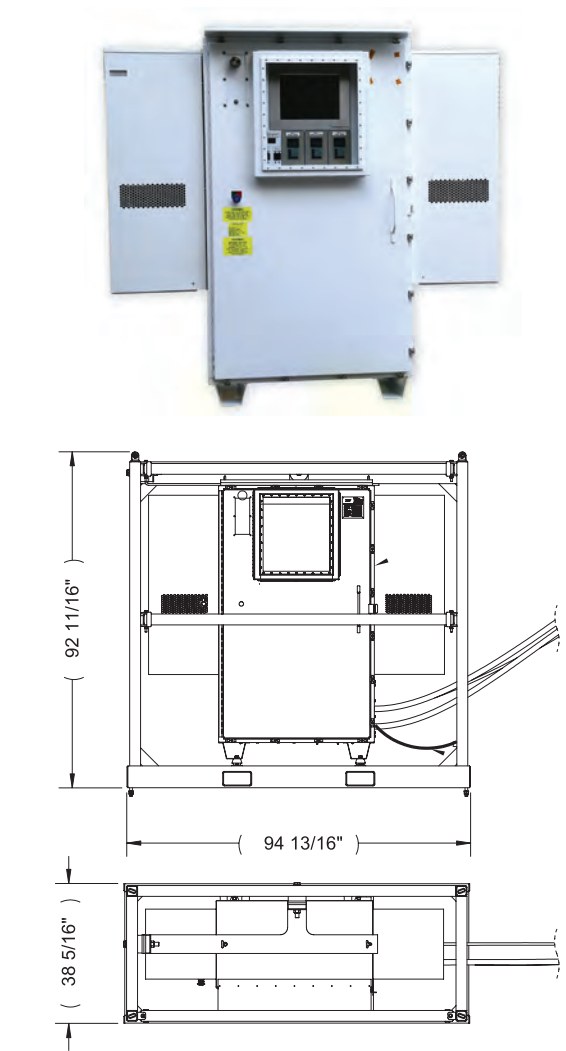
Description

The HS-3400 series centrifuge uses high G-forces to separate fine solids from liquid. Four models are available HS-3400FS, HS-3400VS, HS-3400VSD and HS-3400FVS. The HS-3400 FVS is able to exert up to 3,180 G's on the fluid. With a process capacity up to 200 gal/min (757 lit/min), the HS-3400 series centrifuge offers outstanding performance over a wide range of applications and conditions.

Specification

Part number	10849
Water capacity	250 gpm (946 lpm)
Weight	FS and VS - 6623 lbs (3004 kg) VSD - 7814 lbs (3545 kg) FVS - 5537 lbs (2512 kg)
Bowl diameter	14 in. (356 mm)
Bowl length	49.5 in. (1257 mm)
Bowl speed (rpm)	3250
Drive	Fixed
G-Force	FS - 156 min, 2275 max VS - 40 min, 2100 max VSD - 447 min, 2100 max FVS - 40 min, 2100 max
Dimensions	FS, VS and VSD - 98 x 69 x 60 in. (2500 x 1753 x 1524 mm) FVS - 124 x 69 x 60 in. (3159 mm x 1753 mm x 1524 mm)
Main drive (bowl)	40 hp
Beach angle	10

VFD Control Cabinet



Description

- All variable frequency drive (VFD) enclosures are designed the same for all centrifuges.
- VFD's are rated to match motor and load requirements.
- VFD's are recognized by the American Bureau of Shipping and DNV for hazardous area use.
- VFD's are designed for arctic, desert and hazardous area service*.

*Power disconnect required for hazardous area duty.

Specification

Weight	2646 lbs (1200 kg)
Dimensions	95 in. x 38 in. x 93 in. (2413 mm x 965 mm x 2362 mm)