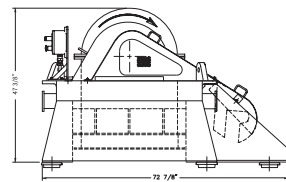
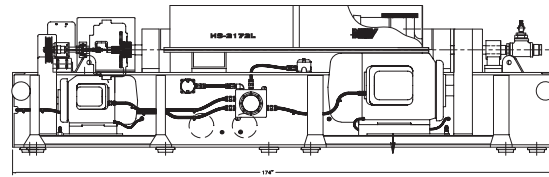
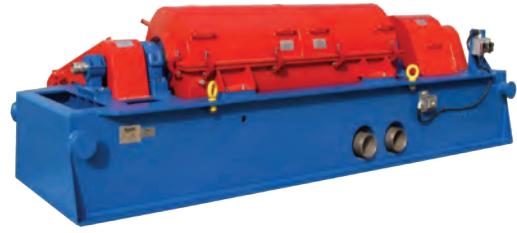


# BRANDT Centrifuge Technical Sheet

## HS-2172



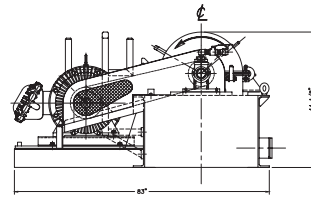
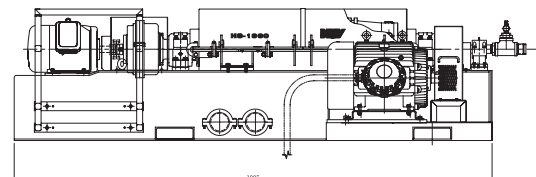
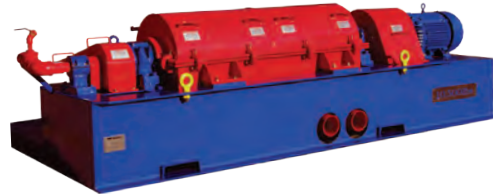
### Description

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

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

## HS-1960



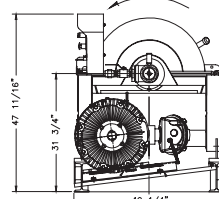
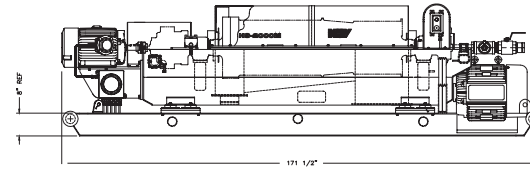
### Description

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

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

## HS-2000



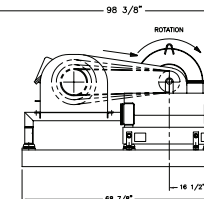
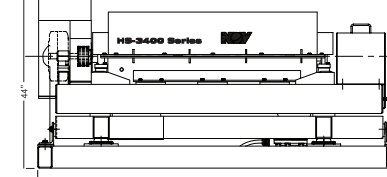
### Description

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

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

## HS-3400



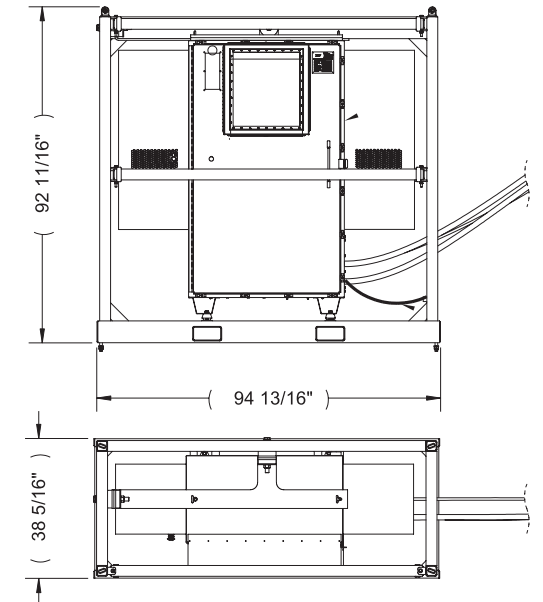
### Description

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

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

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