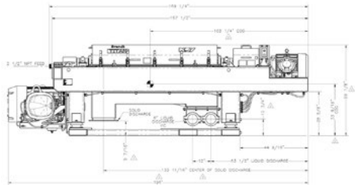
Brandt Centrifuge Technical Sheet

Titan





Description

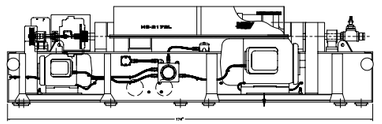
The Titan series centrifuge uses high G-forces to separate fine solids from liquid. The Titan centrifuge is able to exert up to 2,684 G's on the fluid. The Titan large bowl, high volume centrifuge from Brandt™ makes operations faster and safer, all while maintaining a small rig footprint. A spring-assisted lid is accessible from either side of the skid, providing quick and easy access for the rig crew. It is equipped with a variable frequency drive (VFD) that provides controlled motor drive power to the centrifuge components. With a process capacity of up to 550 gal/min (2,082 lit/min), the Titan centrifuge is able to quickly process high volumes of fluid while allowing prescribed fluid weights and separation efficiencies to be maintained. This enables the Titan centrifuge to produce fine cut points at higher flow rates, making it ideal for high-flow applications and critical-conditions solids control.

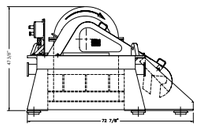
Specifications

Part number	17931145-001
Water capacity	550 gpm (2,082 lpm)
Weight	14,030 lbs (6,364 kg)
Bowl diameter	21 in. (533 mm)
Bowl length	72 in. (1,829 mm)
Bowl speed (rpm)	3,000 max
Drive	VFD
G-Force	107 to 2,684
Dimensions	196⅛ x 51⅜ x 59⅛ in. (4,982 x 1,305 x 1,502 mm)
Main drive (bowl)	150 hp
Back drive (conveyor)	40 hp
Beach angle	5

HS-2172







Description

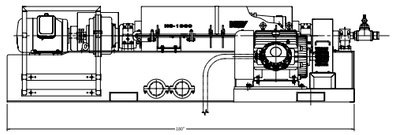
The HS-2172 series centrifuge uses high G-forces to separate fine solids from liquid. The HS-2172 centrifuge is able to exert up to 2,684 G's on the fluid. It is equipped with a variable frequency drive (VFD) control that provides controlled motor drive power to the centrifuge components. With a process capacity of 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.

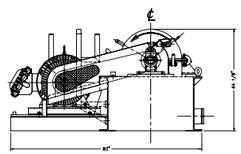
Specifications

Part number	16680
Water capacity	550 gpm (2,082 lpm)
Weight	16,430 lbs (7,453 kg)
Bowl diameter	21 in. (533 mm)
Bowl length	72 in. (1,829 mm)
Bowl speed (rpm)	3,000 max
Drive	VFD
G-Force	107 to 2,684
Dimensions	174 x 101 x 54 in. (4,413 x 2,557 x 1,380 mm)
Main drive (bowl)	150 hp
Back drive (conveyor)	40 hp
Beach angle	5

HS-1960







Description

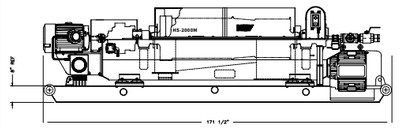
The HS-1960 series centrifuge uses high G-forces to separate fine solids from liquid. The HS-1960 centrifuge is able to exert up to 2,480 G's on the fluid. It is equipped with a variable frequency drive (VFD) control that provides controlled motor drive power to the centrifuge components. With a process capacity of 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.

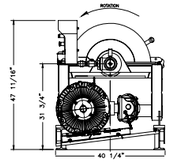
Specifications

Part number	20000
Water capacity	350 gpm (1,325 lpm)
Weight	12,500 lbs (5,669 kg)
Bowl diameter	19.4 in. (493 mm)
Bowl length	60 in. (1,524 mm)
Bowl speed (rpm)	3,000 max
Drive	VFD
G-Force	100 to 2,476
Dimensions	160 x 83 x 44 in. (4,064 x 2,108 x 1,123 mm)
Main drive (bowl)	100 / 125 hp
Back drive (conveyor)	40 hp
Beach angle	5

HS-2000







Description

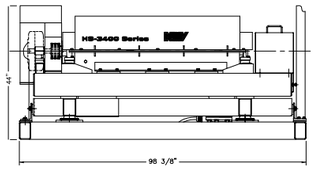
The HS-2000 series centrifuge uses high G-forces to separate fine solids from liquid The HS-2000M is able to exert up to 2,617 G's on the fluid. The HS-2000M is equipped with a variable frequency drive (VFD) control which provides a controlled application of motor drive power to the centrifuge components.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

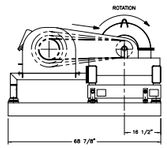
Specifications

Part number	15670
Water capacity	250 gpm (946 lpm)
Weight	7,500 lbs (3,402 kg)
Bowl diameter	18 in. (457 mm)
Bowl length	60 in. (1,524 mm)
Bowl speed (rpm)	3,200 max
Drive	VFD
G-Force	115 to 2,618
Dimensions	175 x 41 x 44 in. (4,437 x 1,035 x 1,118 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-3400 FS, HS-3400 VS, HS-3400 VSD, and HS-3400 FVS electric. The HS-3400 FVS electric is able to exert up to 3,180 G's on the fluid. With a process capacity up to 250 gal/min (946 lit/min), the HS-3400 series centrifuge offers outstanding performance over a wide range of applications and conditions.

Specifications

Part number	10849
Water capacity	250 gpm (946 lpm)
Weight	FS and VS - 6,623 lbs (3,004 kg) VSD - 7,814 lbs (3,545 kg) FVS - 5,537 lbs (2,512 kg)
Bowl diameter	14 in. (356 mm)
Bowl length	49.5 in. (1,257 mm)
Bowl speed (rpm)	3,250
Drive	Fixed
G-Force	FS - 156 to 2,275 VS - 40 to 2,100 VSD - 447 to 2,100 FVS - 40 to 2,100
Dimensions	FS, VS and VSD - 98 x 69 x 60 in. (2,500 x 1,753 x 1,524 mm) FVS - 124 x 69 x 60 in. (3,159 x 1,753 x 1,524 mm)
Main drive (bowl)	40 hp
Beach angle	10

SMART Panel



Description

The SMART Panel's advanced control architecture and enhanced HMI, enable manual and semi-automated operation. With remote connectivity through NOV's Max Portal, operators can access real-time data, performance trends, and equipment status from anywhere. Available for new equipment or retrofit applications, the SMART Panel improves reporting accuracy, operational consistency, and system reliability while supporting future automation technologies.

Specifications

Weight	3,580 lbs (1,624 kg)
Dimensions	94⅝16 x 38⅝16 x 92 1⅛16 in. (2,396 x 973 x 2,354 mm)

VFD Control Cabinet



Description

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

*Power disconnect required for hazardous area duty.

Specifications

Weight	2,646 lbs (1,200 kg)
Dimensions	95 x 38 x 93 in. (2,413 x 965 x 2,362 mm)

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