



VORTEX FLUID SYSTEMS INC.

vortexfluidsystems.com

ORBITAL® 3000 CASCADING SHAKER

DESCRIPTION

The Orbital® 3000 cascading shaker has a high performance and low maintenance design. The scalping deck is 18 ft² with 30 ft² for the primary deck. Other features include, elliptical motion, 6.75 g's snap in place screen seals, quick connect shipping straps, stainless splash guard and jack type angle change mechanism.

SCALPING DECK

The scalping deck allows for a coarse solids separation, reducing the solids loading on the primary deck. This improves screen life on the primary deck and allows for dryer solids discharge. The scalping deck also aids in the removal of difficult to convey solids such as gumbo.

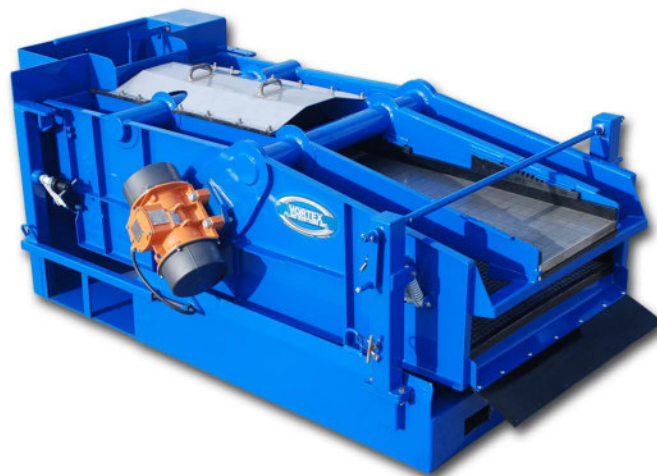
PERFORMANCE

The Orbital® 3000 cascading shaker has 48 ft² of total screening area with 18 ft² on the cascading deck and 30 ft² on the primary deck. The motion of the shaker is progressive elliptical motion at 6.75 g's.

FEATURES

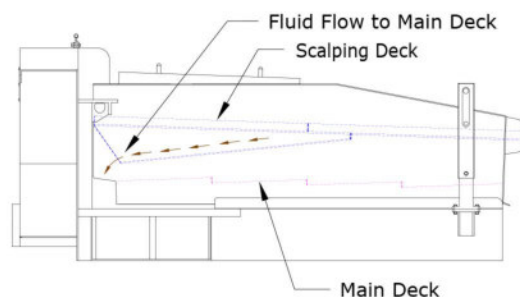
ORBITAL® shakers have many beneficial features.

- ☑ **ACCELERATION:** 6.75 g's
- ☑ **SCREEN AREA:** 48 ft² (18 ft² cascading, 30 ft² primary)
- ☑ **MOTION:** progressive elliptical motion
- ☑ **SCREEN LIFE:** Orbital® shakers have exceptional screen life
- ☑ **SEAL WELDED:** fully seal welded baskets.
- ☑ **LOW MAINTENANCE:** ultra low maintenance design
- ☑ **LOW NOISE:** 80 db standing 3ft from discharge
- ☑ **ABRASION PROTECTION:** two layers of powder coat
- ☑ **SCREEN SEALS:** patent pending screen seals are as easy to change as a set of screens
- ☑ **VIBRATORS:** vibrators are one of the most overbuilt electrically and mechanically in the industry
- ☑ **MANUFACTURING:** Made in USA



FLOWBACK PAN

The scalping deck has a flow back pan that brings the flow back to the feed of the primary shaker deck. This feature gives solids the most residence time on the screen providing the driest solids discharge.



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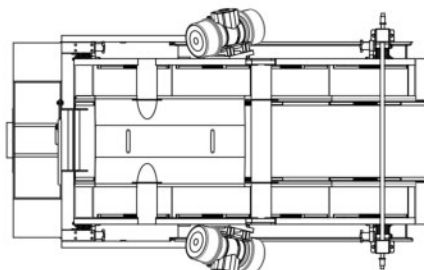
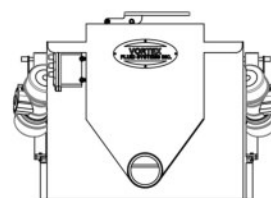
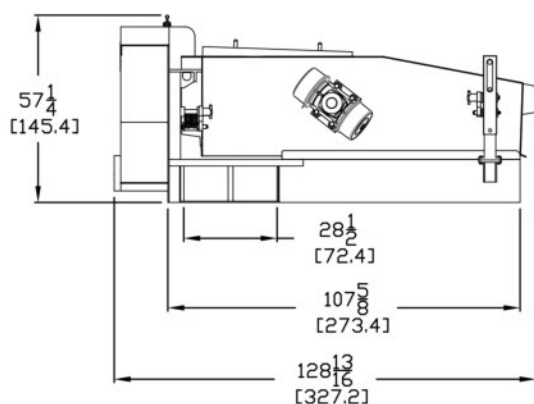
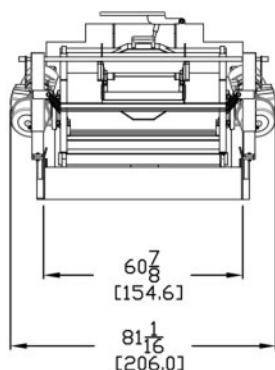
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SPECIFICATIONS AND DIMENSIONS

ORBITAL® 3000 CASCADING SHAKER

NAME: Orbital® 3000 Cascading Shaker
SCREEN AREA: 48 ft ² total, 18 ft ² scalping, 30 ft ² primary deck
"G" FORCE: 6.75 g's
MOTION: near linear/narrow progressive elliptical motion
DIMENSIONS (LxWxH): 129x81x57-1/4in
BASE DIMENSIONS (LxW): 107-5/8x61in
WEIGHT: 5250lb
WEIR HEIGHT: 39 in
ADJUSTMENT ANGLE: 0 to 7 degrees
ANGLE CHANGE TYPE: jack type
SCREEN TYPE: pretension
SCREEN NUMBER: 4 screens main, 2 screens scalping
SCREEN SIZE: 46.25 x 24 in main deck
MOTORS: Italvibras, 1800 rpm, 50 or 60 hz
MOTOR TYPE: UL Class 1, Div 1, ATEX/IECEX (opt), explosion proof
ELECTRICAL BOX TYPE: UL Class 1, Div 1, ATEX/IECEX (opt), explosion proof



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