

BWS-40 - SPECIFICATION

The **BRUCE BWS** Sand Plant maximises fines recovery to produce high quality dewatered sand products. Available in a range of sizes and configurations.

The **BWS-40** efficiently washes and dewater sand using two stages:

1. Hydro Cyclone
2. Dewatering Screen

FEATURES & BENEFITS:

- › Fully automated electrical control panel with emergency stop
- › Self-regulating sumps with built in float system
- › Consistently dewatered sand output with (typical) moisture content less than 14%
- › Foldable cyclone and support frame for easy shipping
- › Branded components used throughout
- › Fully modular plant
- › All critical wear parts rubber lined
- › Skid mounted frame
- › Galvanised access steps and walkways
- › Modular polyurethane screen deck
- › High performance vibratory motors
- › Hardox lined discharge chute



BWS-40 - COMPONENT SPECIFICATIONS (STANDARD MACHINE)

HYDRO CYCLONE

Type & Size: 375mm (15") Ext. Body Rubber Lined Linatex G4 Cyclone – High Efficiency

Accessories: Abrasion resistant mining grade transfer hose (pump to cyclone). Pressure gauge

Cyclone Flow Rate: 100m³/hr

PUMP

Type & Size: 1No. MKIII R - Linapump - 100/100 (4"/4") - 15kW motor

Combined Flow Rate for Pump and Cyclone: 100m³/hr (for typical applications)

DEWATERING SCREEN

No. of Decks: Single deck

Size: 2450mm x 900mm (8' x 3')

Screening Area: 2.2m²

Media: Polyurethane screening module system

Typical Screen Aperture: 0.5mm x 17mm slotted. Other apertures available to suit specific application

Power: 2No. 3.6kW vibratory motors

Pitch: 3° incline

Mounts: Mounted on compression springs

Side Wall Protection: Polyurethane

Screen Break: Soft-stop control system

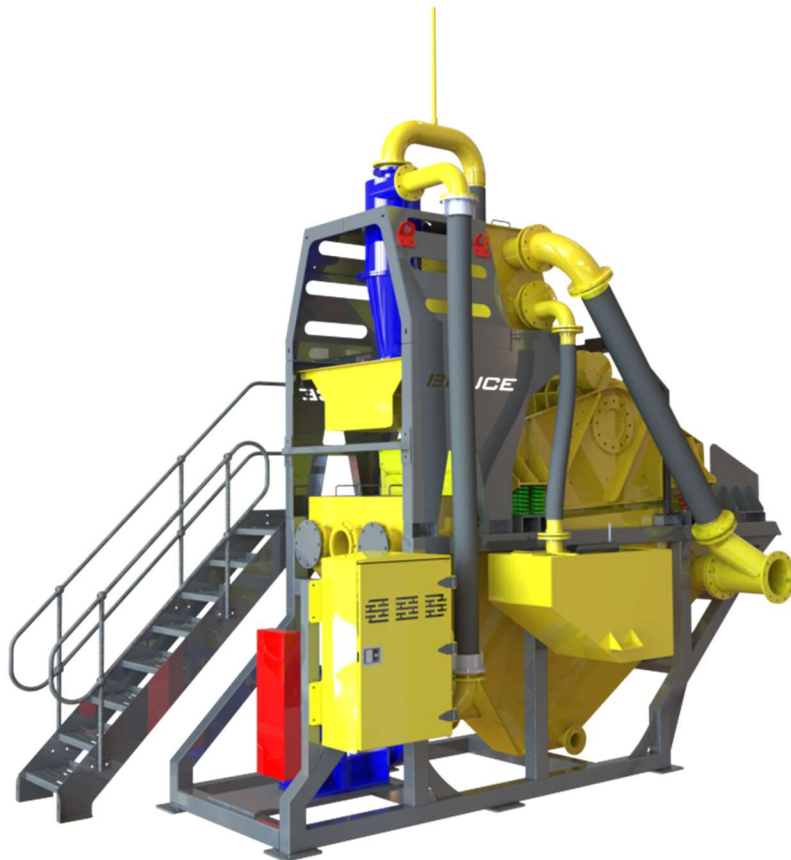


BWS-40 - TECHNICAL INFORMATION

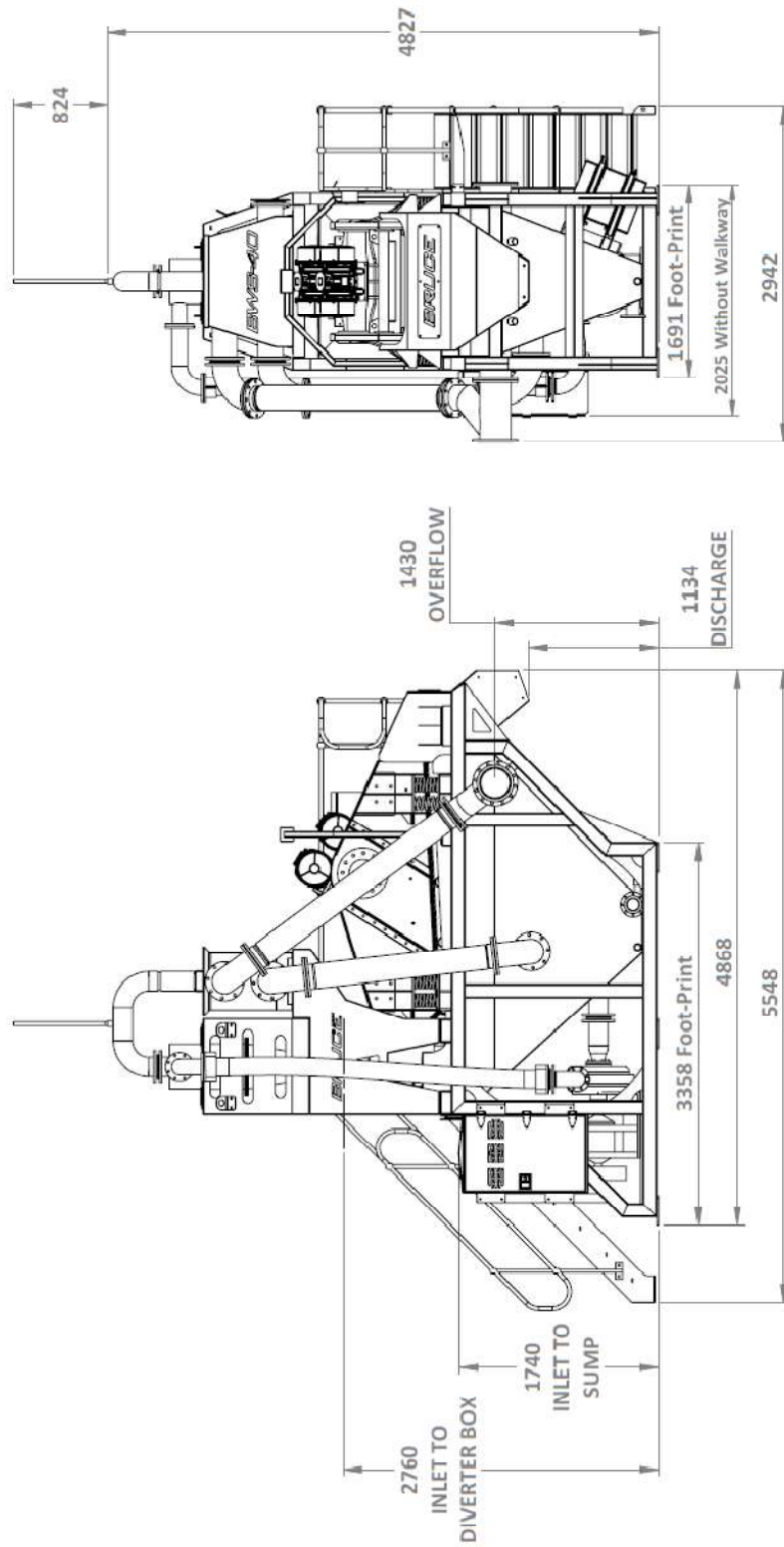
Working Length:	5.5m
Working Height:	4.8m
Working Width (with walkway & steps)	2.9m
Working Width (without walkway)	2.0m
Feed Height:	1.74m
Discharge Height:	1.15m
Total Weight:	5 Ton
Power Requirement:	22.2 kW
Flow Rate:	100m ³ / hour
Transport:	1 x 40' HC Container

OPTIONS:

- › Spray Bars on Dewatering Screen
- › Boiler Box for Dry Feed Application
- › Stockpile Conveyors



BWS-40 - DRAWINGS



BWS - INFOGRAPHIC

