

Dimensions of BPE102 in Operation & Transport positions	Length	Width	Height
PERFORMANCE	18,400 mm	16,000 mm	5,700 mm
TRANSPORTATION	17,000 mm	3,500 mm	3,450 mm

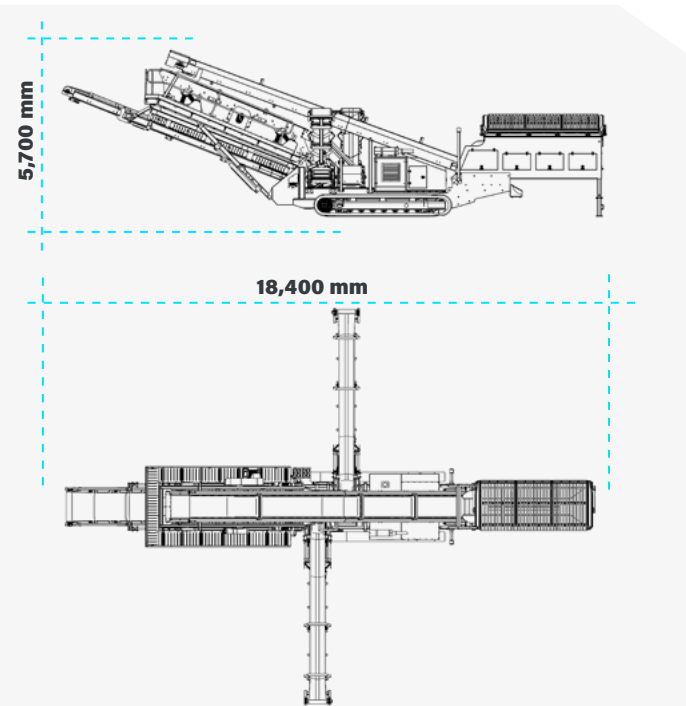
**** WEIGHT: approx. 27 t**

Boratas® Mobile Vibrating Screen BPE102 is a highly flexible and versatile machine designed for precision material screening across various industries. With its advanced vibration mechanism and customizable features, it delivers outstanding performance, reliability, and ease of operation.

Key Features and Differentiators

1 High-Performance Vibration Mechanism
BPE102 is equipped with a high-performance vibration system that ensures efficient and accurate material screening. Its robust design and optimized motion enhance material separation, maximizing productivity and final product quality.

2 Adjustable Screening Configurations
The screen can be configured to suit specific application needs. Operators can easily adjust parameters such as amplitude, frequency, and inclination angle to gain precise control over the screening process.



3 User-Friendly Design
Engineered with operator convenience in mind, the BPE102 offers easy access points for maintenance and cleaning, reducing downtime and boosting operational efficiency. The intuitive control system and user-friendly interface ensure a smooth screening experience.

4 Mobility and Flexibility
As a mobile screening unit, the BPE102 offers excellent portability and adaptability across diverse work environments. It can be transported and set up quickly, allowing operators to bring effective screening directly to the material source—saving time and simplifying logistics.

5 Hybrid (Diesel-Electric) Power
The BPE102 features an innovative hybrid power system that combines the advantages of diesel and electric power sources. This contributes to enhanced fuel efficiency and improved environmental sustainability.



6 Vibrating Screen Construction
The screen is equipped with a labyrinth sealing system in the bearing housing and features adjustable eccentric weights for vibration control. Four vibration dampers minimize excessive oscillation during startup and shutdown. The screen body is made from a single-piece plate and is mounted on eight springs. A spacious maintenance platform is made of expanded metal sheets for durability and safety.

CLASSTRACK

TRACKED MOBILE VIBRATING SCREEN

BPE 102



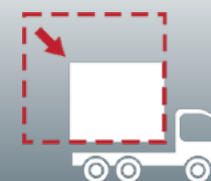
AGGREGATES



MINING



RECYCLING



Foldable Parts for
easy transportation
and compactness



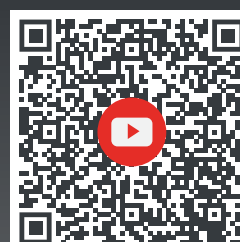
Quick set-up time
Ease of use
Easy maintenance



Diesel-electric Drive
Full hybrid
Environment-friendly



Track-mounted
High mobility
On-site flexibility



Scan to Watch Boratas
Mobile Vibrating Screen Videos.

CLASSTRACK

TRACKED MOBILE VIBRATING SCREEN

BPE 102

Boratas® Classtrack Series Mobile Vibrating Screen BPE102 offers the most efficient way of screening materials with low operating costs, without compromising on mobility or compact dimensions. It is widely preferred in aggregate production, quarrying, mining, and recycling projects.

Classtrack BPE102 mobile screens feature a double-deck vibrating screen and are typically fed by a crusher or excavator in multi-stage crushing and screening plants.

The Classtrack BPE102 units are available in various sizes and configurations, with both standard and customizable versions.

Technical Specifications

- Double-deck vibrating screen
- Electric or diesel drive system
- Hydraulically folding conveyors
- Independently operable components
- Wireless remote control
- PLC control system
- Drum conveyor motors
- Grizzly feeder hopper
- Lighting arm

Optional Features

- Washing system
- Automatic lubrication system
- Dust suppression system
- Various screen media options

• Control Panel

The PLC-based system with an LCD touch screen provides real-time display of all operational details.

• Remote Control

Allows adjustments for movement control, feeder belt speed, and various operational parameters of multiple components.

• Hybrid Drive

Enables quick switching between diesel and electric drive with a single plug-in socket.



Hopper

- Capacity: approx. 4 m³
- Hydraulic folding grill, 3 stages from 0 to 90°

Feeder Belt

- Width: 800 mm
- Dual drive
- Feeder speed control

Main Conveyor

- Width: 1000 mm

Power Unit

- Installed power: 110 kVA

Upper Deck Conveyor

- Width: 600 mm
- Foldable

Crawling Track

- Width: 400 mm
- Dual speed mode
- Heavy Duty

Screen

- 2 layers
- Size: 1500 x 5000 mm
- 2 bearings, high amplitude adjustment
- Grease lubrication



Wireless Control

- Easy and safe control over all individual parts as well as crawling tracks



Hybrid Power

- Fully hybrid
- Can perform with diesel or simply plugged into electricity

Low Deck Conveyor

- Width: 600 mm
- Foldable

Under Screen Conveyor

- Width: 1200 mm
- Foldable