Sandvik US316

Wheeled cone unit

The US316 is a secondary crushing unit fully assembled on a single trailer frame. Featuring the highly reliable and productive CS430 cone crusher and new SA1853 three deck vibrating screen for increased screening accuracy and efficiency, this model has been designed to offer high-end productivity processing 1- 3 products at a low cost-per-tonne.



Key benefits

Reliability
- Market leading Sandvik CS430 cone for strength and high performance
- All onboard components are electrically driven giving reliability and minimal maintenance
- Heavy duty chassis beams, strength analysis on structural parts and quality components for durability
- Capable of operating in the most hostile environments

Productivity
- Large feed opening for increased intake ability and reduced bridging
- Cone crusher unibody mainframe ensures optimal strength and less maintenance
- Hydraulic cone Hydroset™ setting (CSS) and overload protection for maximum uptime
- Constant Liner Performance (CLP) crushing chambers permits constant feed acceptance capability, increased output, high quality products and increased liner life
- Choice of several chambers, throws and settings for a wide range of applications, enabling fine tuning to your specification and improved capacity
- New SA screen with improved performance and screening accuracy, built for durability and ease of operation
- Simple and efficient operation with soft starting crusher for trouble free operation

Cost of ownership
- Low cost-per-tonne due to electric operation
- Quick to set-up and easy to maintain, resulting in more uptime and higher productivity

Safety
- New screen has been designed for enhanced safety with a protected steel coil spring and PU end cup as standard
- Removable electrical control panel can be located on the ground during operation
- Crusher mounted safety guards and multiple emergency stop buttons for safe operation
- Maintenance platforms with handrails and access ladders provide excellent access for service and maintenance

Sustainability
- Low emissions due to electrical operation, reducing CO_2 emissions
- Screen design gives longer wear life of components
- Quality components ensure longer lifetime and support optimized service and maintenance

Support
- Extensive distributor, sales and service network

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Key specifications	US316
Screen	
Type	Sandvik SA1853 circular motion
Size	1829 mm x 4877 mm / 6’ x 16’
Decks	3 deck
Drive	Electric motor 18.5 kW
Crusher	
Type	Sandvik CS430 cone
Adj type	Hydraulic
CSS range	19 mm - 51mm / ¾”- 2” *
ASRi	Optional
Drive	Electric motor 132 kW, 4 pole

Key specifications	US316
Power system	
All electrics are intended for connection to a mains supply	
Total power	159.5 kW
Supply voltage	415-50 Hz / 440 V-60 Hz / 3-phase a.c.
Control voltage	220 V-50 / 60 Hz / 3-phase a.c.
Running gear	
Type	2” / 3 1/2” King-pin, double-axle bogie with air-brakes and running lights. Tyres 10” x 20” - 16 ply
If powered by a genset at least 425 KVA is required	
Transport dimensions	
Length	12.30 m / 40.4’
Width	2.80 m / 9.2’
Height	5 m / 16.5’
Standard weight	38,100 kg / 83,996 lbs
Operating dimensions	
Length	11.80 m / 38.71’
Width	4.34 m / 14.23’
Height	7.77 m / 25.5’
Performance	
Max feed size	300 mm / 12”
Capacity (up to)	325 mtph / 358 stph *

Note. All weights and dimensions are for standard units only

Standard specification

- Self contained electrical switchgear cabinet with soft starter
- Maintenance platform with handrails and access ladder
- Safety guards to crusher drives
- Emergency stop buttons
- 2” / 3 1/2” King-pin, double-axle bogie with air-brakes and running lights. Tyres 10” x 20” - 16 ply
- Trailer suitable for 24 V supply

* Application specific. Please contact a Sandvik representative for clarification on specifications and options

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