



Sandvik UH311

Wheeled cone unit

The UH311 is a secondary / tertiary crushing unit fully assembled on a single trailer frame. Featuring the highly reliable and productive CH430 cone crusher and new SA1854 four deck vibrating screen for increased screening accuracy and efficiency, this model has been designed to offer high-end productivity processing 1- 4 products at a low cost-per-tonne.



Key benefits

Reliability

- Market leading Sandvik CH430 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

- Removable electrical control panel to be located on the ground during operation
- New screen has been designed for enhanced safety with a protected steel coil spring and PU end cup as standard
- 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 CO₂ 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

Technical specification

Key specifications	UH311
Screen	
Type	Sandvik SA1854 circular motion
Decks	4 deck
Size	1829 mm x 4877 mm / 6' x 16'
Drive	Electric motor 22 kW
Crusher	
Type	Sandvik CH430 cone
Adj type	Hydraulic
CSS range	6 - 41 mm / ¼ - 1 5/8" *
ASRi	Optional
Drive	Electric motor 132 kW, 4 pole

Key specifications	UH311
Power system	
All electrics are intended for connection to a mains supply	
Total power	167 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 350 KVA is required	
Transport dimensions	
Length	12.30 m / 40.35'
Width	2.8 m / 9.18'
Height	4.67 m / 15.32'
Standard weight	35,150 kg / 77,505 lbs
Operating dimensions	
Length	11.8 m / 38.71'
Width	4.34 m / 14.23'
Height	7.40 m / 24.27'
Performance	
Max feed size	185 mm / 7"
Capacity (up to)	200 mtph / 220 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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