



Sandvik UV312

Wheeled VSI unit

The UV312 is a tertiary crushing unit fully assembled on a single trailer frame purpose designed for the aggregates industry. Featuring the CV218 Vertical Shaft Impactor (VSI) crusher and new SA1854 four deck vibrating screen for increased screening accuracy and efficiency, it has been designed to offer a highly versatile, high-end capacity plant capable of processing 1-4 products of premium shape at a low cost-per-tonne operation.



Key benefits

Reliability

- Market leading CV218 VSI impactor for reliability 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

- Sandvik VSI technology renowned for high capacity production and cubical shape at a consistent quality
- Produces shaped aggregates and sand of a consistent high quality through controlled product grading
- Capable of processing hard and abrasive rocks to soft, moist or even sticky materials
- Quick and easy replacement of wear parts, which keeps your equipment productive with minimal downtime
- Three-port patented rotor design and Bi-Flow™ technique enable consistent material flow and high throughput
- 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
- Patented 3-port rotor and Bi-Flow™ technique result in low consumption of wear parts due to rock-on-rock crushing, and thereby lower running costs
- Quick to set-up and easy to maintain, resulting in more uptime and higher productivity

Safety

- Unique key trapped system to ensure safe inspection after the rotor has stopped turning
- 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
- Maintenance platforms with handrails and access ladders provide excellent access for service and maintenance

Sustainability

- Low emissions due to electrical operation, reducing CO₂ emissions
- Quality components ensure longer lifetime and support optimized service and maintenance

Support

- Extensive distributor, sales and service network

Technical specification

Key specifications	UV312
Screen	
Type	Sandvik SA1854 circular motion
Decks	4 deck
Size	1829 mm x 4877mm / 6' x 16'
Screening area	34.56 m ² / 371.7ft ²
Drive	Electric motor 22 kW
Crusher	
Type	Sandvik CV218 VSI
Feed size	55 mm / 2.2"
Standard speed	55 M / sec
Drive	Electric motor 220 kW, 4 pole

Key specifications	UV312
Power system	
All electrics are intended for connection to a mains supply	
Total power	242 kW
Supply voltage	415-50 Hz / 440V-60 Hz / 3-phase a.c.
Control voltage	220 V-50 / 60 Hz / 3-phase a.c.
Running gear	
Type	2" / 31 / 2" King-pin, double-axle bogie with air-brakes and running lights. Tyres 10" x 20" - 16 ply
Only If powered by a genset at least 750 KVA is required	
Transport dimensions	
Length	12.30 m / 40.4'
Width	2.80 m / 9.2'
Height	5.18 m / 16.11'
Standard weight	31,500 kg / 69,445 lbs
Operating dimensions	
Length	11.8 m / 38.9'
Width	4.55 m / 14.12'
Height	7.96 m / 26.2'
Performance	
Max feed size	55 mm / 2.2"
Capacity (up to)	250 mtpg / 275 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