

UV312 WHEELED UNIT PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

The UV312 is a tertiary crushing unit fully assembled on a single trailer frame consisting of CS86 four deck vibrating screen and CV218 VSI (vertical shaft impactor) crusher.

The Sandvik UV312 is a wheel mounted mobile unit that incorporates the highly productive CV218 vertical shaft impact crusher. Sandvik VSI crushers present customers with premier quality vertical shaft impact crusher technology. With many new and advanced design features, Sandvik VSI crushers enable customers to achieve maximum efficiency and reliability in their operations, combined with consistently high quality production.

KEY BENEFITS

- Sandvik VSI crushers are built to suit the requirements of all applications and possess the ability to handle hard, abrasive, fine, moist or sticky feed materials.
- Very low operational cost per tonne
- Produces sized aggregates and sand of a consistent high quality.
- Quick and simple replacement of wear parts.
- Combined with the large screen the UV312 has proved to be the ideal for tertiary crushing.
- The VSI crusher can be fed by three ways:
 - From the top deck and second deck of Screen
 - From the top deck deck of the screen. Second deck material can fully or partially by-pass the crusher, as product
 - From the previous crusher feed belt conveyor
- This unit has been designed to produce 1- 4 products depending on the customer's requirement.
- The operator's platform has handrails and access ladders from the ground.
- Safety guards are fitted to drives of the crusher and screen.
- Easy and quick transport between job sites.
- Compact design and easy access to all equipment.
- All the feed, discharge and connection chutes are of robust construction, made of steel plate with liner.
- Self-contained electrical switchgear cabinet on board for power distribution to all of the motors on board the unit as well as the feed and product conveyors. Soft starter provided for starting of the crusher. A junction electrical box is wired on board.



KEY SPECIFICATIONS	UV312
Feed station	
PF 0830	
Crusher	
Type	Sandvik CV218
Feed size	55 mm / 2.2"
Drive	220 kW, 50 Hz electric motor, squirrel cage type
Screen	
Sandvik CS86 IV circular motion	1800 x 4800mm / 5' 11" x 15' 9"
No of Decks	Four Deck
Drive	Electric motor 18.5 kW
Power system	
All electrics are intended for connection to a mains supply	
Total power	238.5 kW
Supply voltage	415 V - 50 Hz / 3-phase AC
Control voltage	220V - 50 Hz / 3-phase AC

If powered by a genset at least 750 KVA is required

KEY SPECIFICATIONS	UV312
Operating Dimensions	
Height	7.95 m / 36' 1"
Width	4.70 m / 15' 5"
Length	11.85 m / 38' 10½"
Transport Dimensions	
Height	5.00 m / 16' 5"
Width	2.70 m / 8' 10"
Length	12.30 m / 40' 4"
Weight	35 mton / 38.6 ston
Performance	
Max feed size	55 mm / 2.2"
Capacity (up to)	250 mtpd
Running Gear	2" King-Pin, Leaf-spring bogie with air-brakes and running lights. Tyres 10" x 20" - 16 ply

Note. All weights and dimensions are for standard units only