



US310 WHEELED UNIT PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

The US310 is a secondary crushing unit fully assembled on a single trailer frame consisting basically of CS86 triple deck vibrating screen and CS430 cone crusher.

The Sandvik Hydrocone crusher used on US310 is of an advanced design, capable of high capacity operation and high reduction efficiency. With hydraulically adjustable settings, a choice of different crushing chambers and throws, a large feed opening plus many high performance features, the US310 is versatile, user friendly and highly productive. The compact and easy- to-service design makes them perfect choice for mobile installations.

KEY BENEFITS

- Combined with the large screen the US310 has proved to be the ideal for secondary crushing.
- This unit has been designed to produce 1- 4 products depending on the customer's requirements.
- The operator's platform has handrails and access ladder from the ground.
- The cone crusher can be fed by three ways
 - From the top and second deck of the screen
 - From the top deck of the screen. Second deck material to by-pass the crusher, fully or partially, as product.
 - From the crusher feed belt conveyor
- Compact design with easy access to all equipment.
- Safety guards are fitted over the crusher drive.
- Easy and quick displacement between job sites.
- All the feed, discharge and connection chutes are robust constructions, made of steel plate with liners.
- 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 smooth starting of the crusher. A junction electrical box is wired on board.
- Emergency stop push buttons are provided at appropriate places.



KEY SPECIFICATIONS	US310
Crusher	
Type	Sandvik CS430
Feed opening	up to 360 mm / 14 1/8"
CSS range	19 - 51 mm / 3/4 - 2"
Crusher weight	12,000 kg / 26,455 lbs
Drive	Electric motor 160 kW, 50 Hz, squirrel cage type.
Screen	
Sandvik CS86 III circular motion	1800 x 4800mm / 5' 11" x 15' 9"
No of Decks	Triple Deck
Drive	Electric motor 15 kW, 50 Hz
Power system	
All electrics are intended for connection to a mains supply	
Total power	180.5 kW
Supply voltage	415 V - 50 Hz / 440V - 60Hz / 3-phase AC
Control voltage	220 V - 50 Hz / 60Hz / 3-phase AC

If powered by a genset at least 425 KVA is required.

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Operating Dimensions	
Height	7.00 m / 22' 11 1/2"
Width	5.05 m / 16' 7"
Length	11.85 m / 38' 10 1/2"
Transport Dimensions	
Height	4.15 m / 13' 7"
Width	2.70 m / 8' 10"
Length	12.30 m / 40' 4"
Weight	35 mton / 39.2 ston
Performance	
Max.feed size to crusher	300 mm / 11.8"
Max feed size to screen (gravel)	150 mm / 5.9"
Max feed size to screen (crushed)	120 mm / 4.7"
Capacity (up to)	300 mtpd
Running Gear	2" / 31' 2" King-Pin, Double Axle bogie with air-brakes and running lights. Tyres 10" x 20" - 16 ply.

Note. All weights and dimensions are for standard units only