



# UH311 WHEELED UNIT PIONEERING SOLUTIONS FOR YOU

## TECHNICAL SPECIFICATION

**The UH311 is a secondary/tertiary crushing unit fully assembled on a single trailer frame consisting of a CS86 four deck vibrating screen and CH430 cone crusher.**

The Sandvik Hydrocone crusher used on the UH311 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 plus many high performance features, the UH311 is versatile, user friendly and highly productive. The compact and easy- to-service design makes it the perfect choice for mobile installations.

### KEY BENEFITS

- Combined with the large screen, the UH311 has proved to be ideal for secondary or tertiary crushing.
- This unit has been designed to produce 1- 4 products depending on the customer's requirements.

- 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 previous crusher feed belt conveyor
- The operator's platform has handrails and an access ladder from the ground.
- 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.



KEY SPECIFICATIONS	UH311
<b>Crusher</b>	
Type	Sandvik CH430
Feed opening	185 mm / 7 1/4"
CSS range	6 - 41 mm / 1/4 - 1 5/8"
Crusher weight	8880 kg / 19,400 lbs
Drive	Electric motor 160 kW, 50 Hz, squirrel cage type.
<b>Screen</b>	
Sandvik CS86 IV circular motion	1800 x 4800mm / 5' 11" x 15' 9"
No of Deck	Four Deck
Drive	Electric motor 18.5 kW, 50 Hz
<b>Power system</b>	
All electrics are intended for connection to a mains supply	
Total power	156 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 350 KVA is required.

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<b>Operating Dimensions</b>	
Height	7.35 m / 24' 1"
Width	5.05 m / 16' 7"
Length	11.85 m / 38' 10 1/2"
<b>Transport Dimensions</b>	
Height	4.40 m / 14' 5"
Width	2.70 m / 8' 10"
Length	12.30 m / 40' 4"
Weight	34 mton / 37.5 ston
<b>Performance</b>	
Max feed size to crusher	185 mm / 7.3"
Max feed size to screen (gravel)	150 mm / 5.9"
Max feed size to screen (crushed)	120 mm / 4.7"
Capacity (up to)	180 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