

# UH640 cone crusher unit

## Technical specification sheet



The UH640 is a flexible, highly productive secondary cone crusher that is able to produce finished sized products thanks to an integral product screen and closed circuit operation.

Designed to function in open or closed circuit for flexible and productive operation, it features the market leading Sandvik CH660 cone crusher which comes with a choice of mantles and settings making it suitable for a wide range of applications worldwide.

Features include:

- The CH660 cone crusher is ideal for secondary and tertiary crushing, yet is compact, and possesses an easy to service design that is ideal for use as a fully tracked crushing system.
- The CH660 cone possesses a hydraulically adjusted Closed Side Setting and has a choice of several different crushing chambers and many other high performance features.
- ASRi allows for the full utilisation of the crusher liners and accurately scheduled liner replacements to coincide with planned maintenance stops.
- ASRi also assists in keeping the crusher choke fed for maximum “rock-on-rock” crushing in order to optimise the quality of the final product.
- The design of the machine results in the ability to produce two products, plus one fines product (second product conveyor and N.F.-conveyor is optional equipment).
- Metal detector fitted on the feeding conveyor.
- Manoeuvred by radio remote control and has a cable remote control for back-up.
- Discharge conveyor fitted with impact bars situated under the crusher together with belt scale and rollers.
- Advanced process automation is facilitated by an interlocking process.
- Easily adapted for connection to mains electrical supply.
- Platforms around crusher, screen and power pack provide excellent access for inspections service and maintenance.
- Emergency stop buttons are located throughout the machine.
- The design and manufacture of the Sandvik UH640 complies with all the directives required for CE-marking. The diesel engine complies with EU and US Emission regulation norms.

## Technical specifications

	Sandvik UH640
<b>Operation</b>	
Height	6.2 m / 20.3'
Width	4.5 m / 14.8'
Length	31.4 m / 103'
<b>Transport (in 3 parts)</b>	
Part no.1 height (excl trailer)	3.85 m / 12.6'
Part no.1 width	3.5 m / 11.5'
Part no.1 length	14.8 m / 48.6'
Part no.1 weight	64 mton / 71 ston
Part no.2 height (excl trailer)	3 m / 9.8'
Part no.2 width	3.05 m / 10'
Part no.2 length	4.5 m / 14.8'
Part no.2 weight	8 mton / 9 ston
Part no.3 height (excl trailer)	2.8 m / 9.2'
Part no.3 width	3.05 m / 10'
Part no.3 length	7.9 m / 25.1'
Part no.3 weight	12 mton / 13 ston
<b>Feed station</b>	
Feeder	SP1020H
Feeder conveyor	1200mm x 7.7m / 48" x 25'8"
Hopper volume	3 m <sup>3</sup>
NF screen	SS1013H
<b>Crusher</b>	
Type	Sandvik CH660
Drive	From electric motor 315kW, 50 Hz squirrel cage type
<b>Discharge conveyor</b>	
Belt length	13.9 m / 45.6'
Belt width	1200 mm / 3.9'

### Options

Belt scale on discharge conveyor  
 Electrical power outlet 125A  
 Diesel driven heating for engine and lubrication oil  
 Synthetic oil for CH 660  
 Removable sidewall extension on feed hopper (Width 4,0 m. Volume 12 m<sup>3</sup>)  
 Extra mast with flood lights  
 Electric conveyor heating

	Sandvik UH640
<b>Screen unit (closed circuit)</b>	
Screen	SS1443
Product conveyor 1	1000mm x 8,5 m / 40" x 28'4"
Product conveyor 2	800mm x 8m / 32" x 26'8" (option)
Return conveyor	800mm x 10m / 32" x 33'4"
<b>On-board power pack</b>	
Diesel engine	Volvo TAD 1642 GE 600 kVA
Alternative	CAT C18 594 kVA
Generator	Stamford
Fuel tank volume	3100 dm <sup>3</sup> / 666 US gallons detachable fuel tank
Main voltage	400V / 50Hz / 3-phase a.c.
Control voltage	230V / 50Hz / 1-phase a.c.
<b>Hydraulic system</b>	
System	Hydraulics for crawlers and support legs
<b>Crawler tracks</b>	
Type	Track One
Length c/c	4040mm / 13' 4"
Track shoe width	500mm / 19.5"
Hydraulic pumps driven by	1 x 110kW electric motor
<b>Performance</b>	
Max. feed size	235mm / 9 1/3"
Capacity (up to)	500mtph / 550stph
Travelling speed	1.2 km/h
Max. slope-climbing capability	Approx. 20°

Dust filter  
 Product conveyor no.2 (800mm x 8m)  
 Belt scale  
 Preparation for connection to mains supply  
 Oil bath air filter pre-cleaner  
 Electrical Heating Feeder SP1020 and Hopper  
 Product screen SS 1823 instead of SS 1443 (Standard)  
 NF conveyor incl. Support (8m x 650mm)

The units depicted show all options currently available, and the colour scheme reflects the eventual scheme to be used. Current models may differ from those featured in this brochure. Please contact Sandvik to clarify specification and options. The material in this brochure is of general application for information and guidance only, and no representation or warranty is made or given by the manufacturer that its products will be suitable for a customer's particular purpose and enquiry should always be made of the manufacturer to ensure such suitability. Whilst reasonable efforts have been made in the preparation of this document to ensure its accuracy, the manufacturer assumes no liability resulting from errors or omissions in this document, or from the use or interpretation of the information contained herein. The manufacturer reserves the right to make changes to the information in this brochure and the product design without reservation and without notification to users.

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