



SANDVIK UH640E MOBILE CONE CRUSHER

TECHNICAL SPECIFICATION

The UH640E is an electrically powered high quality, tracked mobile cone crusher that is robust and built to last. A complete processing unit, it is fitted with the CH660 cone crusher and screens onboard. Aimed at the demanding quarry and mining operator or contractor who is looking to produce the highest quality end product, it offers a versatile, highly productive secondary or tertiary unit at a low cost-per-tonne operation. This heavy duty workhorse has proved itself worldwide in the toughest of applications and in all climatic conditions.

KEY BENEFITS

Reliability	<ul style="list-style-type: none"> - Built for hard and abrasive rock - Market leading Sandvik CH660 cone for strength and high performance - Wear lined impact zones - All onboard components are electrically driven giving reliability and minimal maintenance - Premium quality components for durability
Productivity	<ul style="list-style-type: none"> - Ideally suited to produce high quality end product - ASRi assists in optimizing throughput and end product quality, as well as protecting the crusher from "uncrushable" material - Level sensors and step less regulation of feed belt for optimized production - Dual on board interlocking via PLC for optimal performance and operating efficiency, relay as backup - A number of sensors at different key locations to ensure a trouble free operation and prevent costly breakdowns - Choice of several chambers, throws and settings for a wide range of applications, enabling fine tuning to your specification and improved capacity - Transported in three separate sections, individually self-supported for easy assembly on site, resulting in more uptime and higher productivity - The unit can work as stand alone or interlocked in a "process train" with other crushing and screening units
Cost of ownership	<ul style="list-style-type: none"> - Latest generation fuel efficient engines provide maximum performance and cost efficiency - Low cost per tonne via electric final drives and onboard diesel generator or electric plug-in option - Constant Liner Performance (CLP) for extended life and performance of chamber liners, minimizing downtime and cost - Quick return on investment and high resale value
Safety	<ul style="list-style-type: none"> - User-friendly control system via PLC from one location and radio remote control as standard - Minimal maintenance with safe and easy access - Generator set and fuel tank can be located at ground level for easier service - LED Floodlights for safe operation 24 hours a day
Sustainability	<ul style="list-style-type: none"> - Lower environmental impact due to latest emissions compliant engines, reduced fuel consumption and less operating noise - Electric plug-in option allows you choose your preferred energy source, diesel mode or electric mode to lower your operation costs and reduce environmental impact - Dust suppression system minimizes dust emissions reducing environmental impact - Rubber lined impact zones reduce operating noise and need for maintenance - Quality components ensure longer lifetime and support optimized service and maintenance





KEY SPECIFICATIONS UH640E

Hopper	
Width	4000 mm / 13'
Length	2500 mm / 8' 2"
Capacity	3 m ³ / 3.93 yds ³
Rear loading height	4100 m to 4700 m / 13' 5" – 15' 5"

Feeder	
Type	Sandvik SP1020H
Width	1000 mm / 3' 3"
Length	2000 mm / 6' 6"

Feed conveyor	
Width	1200 mm / 48"
Length	7700 mm / 25' 8"

Pre screen	
Type	Sandvik SS1013H
Decks	3 deck
Width	1020 mm / 40"
Length	1460 mm / 57"

Crusher	
Type	Sandvik CH660 cone
Max feed size	321 mm / 12.6"
CSS range	6 - 51 mm / 0.3" - 2" *
Chamber control	Sandvik Hydrosset system (ASRI)
Drive	Electric motor 315kW, 50 Hz squirrel cage type

Screen unit (closed circuit)	
Type	Sandvik SS1443
Decks	3 deck
Width	1400 mm / 4' 7"
Length	3200 mm / 10' 6"
Product conveyor 1	1000 mm x 8500 mm / 40" x 28' 4"
Discharge height under drum (approx)	4200 mm / 13' 7"
Product conveyor 2	800 mm x 8000 mm / 32" x 26' 8"
Discharge height under drum (approx)	3600 mm / 11' 8"
Return conveyor	800 mm x 10 m / 32" x 33'

Discharge conveyor	
Belt width	1200 mm / 4'
Belt length	13.9 m / 45.6'

Natural fines conveyor	
Width	650 mm / 25.6'
Length	8000 mm / 26.2'
Discharge height under drum (approx)	4000 mm / 13.1'

STANDARD SPECIFICATION

- Wear lined hopper
- Auto speed controlled feed conveyor
- Metal detector
- Crusher level sensor
- Pressurised cone dust protection
- ASRI cone control system
- Heavy duty conveyors with dust covers
- PLC control system (Relays as backup)
- Standard main voltage 400V AC 50Hz
- Control voltage is 230V AC and 24V DC
- Pre-heating for engine and cone lube systems

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Power pack	
Type	Volvo D16 / Volvo D16 / Volvo D16 alt. CAT C18
Generator	Stage 5 / T4F / T3
Diesel tank capacity	Stamford 670 kVA
Main voltage	3000 litres / 635 USG
Control voltage	400V / 50 Hz / 3-phase a.c. 230 V / 50 Hz / 1-phase a.c.

Tracks	
Length (centres)	4040 mm / 13' 4"
Width (shoe)	500 mm / 20"
Drive	Hydraulic
Control	Radio / Umbilical

Transport dimensions part 1 **	
Height (excl trailer)	4.0 m / 13' 2"
Width	3.5 m / 11' 5"
Length	15.5 m / 51'
Weight	64.700kg / 142,640 lbs

Transport dimensions part 2 **	
Height (excl trailer)	3.1 m / 10'
Width	3.1 m / 10'
Length	11.9 m / 39'
Weight	13.000 kg / 28.660 lbs

Transport dimensions part 3 **	
Height (excl trailer)	3.5 m / 11' 5"
Width	3.1 m / 10'
Length	5.2 m / 17'
Weight	7.200 kg / 15.890 lbs

Operating dimensions	
Height	7.2 m / 24'
Width	10.5 m / 34' 5"
Length	31.5 m / 103'
Weight	86.000 kg / 189.600 lbs

Performance	
Max feed size	321 mm / 12.6"
Capacity (up to)	600 mtph / 660 stph *
Travel speed	1.2 km / h / 0.75 mph
Max Incline / side to side	20° / 10°

Note. All weights and dimensions are for standard units only

- Light masts, warning beacons, panel light and tracking lights
- Radio remote control with umbilical cord as back-up.
- Electrical power outlet 125A
- Walkways and ladders
- Tool kit
- Dust suppression spray bars on crusher and main conveyor discharge
- Natural fines conveyor
- 2x Product conveyors plus one in return
- Product conveyor stockpile level sensors
- Self-adjusting stabilizing support legs
- Preparation for connection to mains supply
- Diesel refilling from ground level incl. electric pump

For option availability please speak with your local Sandvik representative

* Application specific. Please contact a Sandvik representative for clarification on specifications and options.

** Check with your Sandvik representative for correct dimensions and valid transport drawing. Extra transport for loose parts might be needed. Sandvik reserves the right to make changes to the information on this data sheet without prior notification to users