Sandvik UH440E

Tracked heavy cone crusher

The UH440E 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 CH440 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
- Built for hard and abrasive rock
- Market leading Sandvik CH440 cone for strength and high performance
- Rubber lined feed hopper and impact zones for longevity, as well as protection from wear and noise
- All onboard components are electrically driven giving reliability and minimal maintenance
- Premium quality components for durability

Productivity
- 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
- 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
- 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
- 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

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Key specifications	UH440E
Hopper	
Width	4000 mm / 13’
Length	2500 mm / 8’ 2”
Capacity	3 m³ / 3.93 yds³
Rear loading height	4100 mm to 4700 mm / 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 CH440 cone
Max feed size	250 mm / 9.8”
CSS range	4 - 48 mm / 0.3” - 1.8” *
Chamber control	Sandvik Hydroset system (ASRi)
Drive	Electric motor 200 kW / 268 hp
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”
Dscharge 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	
Width	1200 mm / 4’
Length	13.9 m / 45’ 7”
Natural fines conveyor	
Width	650 mm / 2’ 2”
Length	8000 mm / 26’ 2”
Dscharge height under drum (approx)	4000 mm / 13’ 1”

Key specifications	UH440E
Power pack	
Type	Volvo D16 / Volvo D16 / Volvo D16 alt. CAT C18
Stage / Tier	Stage 5 / T4F / T3
Generator	Stamford 670 kVA
Diesel tank capacity	3000 litres / 635 USG
Main voltage	400V / 50Hz 3-phase a.c.
Control voltage	230V / 50Hz 1-phase a.c.
Tracks	
Length (centres)	4040 mm / 13’ 8”
Width (shoe)	500 mm / 20”
Drive	Hydraulic
Control	Radio / Umbilical
Transport dimensions part 1 **	
Length	15.5 m / 51’
Width	3.5 m / 11’ 5”
Height (excl trailer)	3.9 m / 12’ 9”
Standard weight	57,000 kg / 126,000 lbs
Transport dimensions part 2 **	
Length	11.9 m / 39’
Width	3.1 m / 10’
Height (excl trailer)	3.1 m / 10’
Standard weight	13,000 kg / 28,660 lbs
Transport dimensions part 3 **	
Length	5.2 m / 17’
Width	3.1 m / 10’
Height (excl trailer)	3.5 m / 11’ 5”
Standard weight	7200 kg / 15,890 lbs
Operating dimensions	
Length	31.5 m / 103’
Width	10.5 m / 34’ 5”
Height	6.2 m / 20’ 5”
Standard weight	77,200 kg / 170,755 lbs
Performance	
Max feed size	250 mm / 9.8”
Capacity (up to)	400 mtph / 440 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

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
- Light masts, warning beacons, panel light and tracking lights
- Radio remote control with umbilical cord as backup
- 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

* 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
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