



US440i CONE CRUSHER E-MOTION

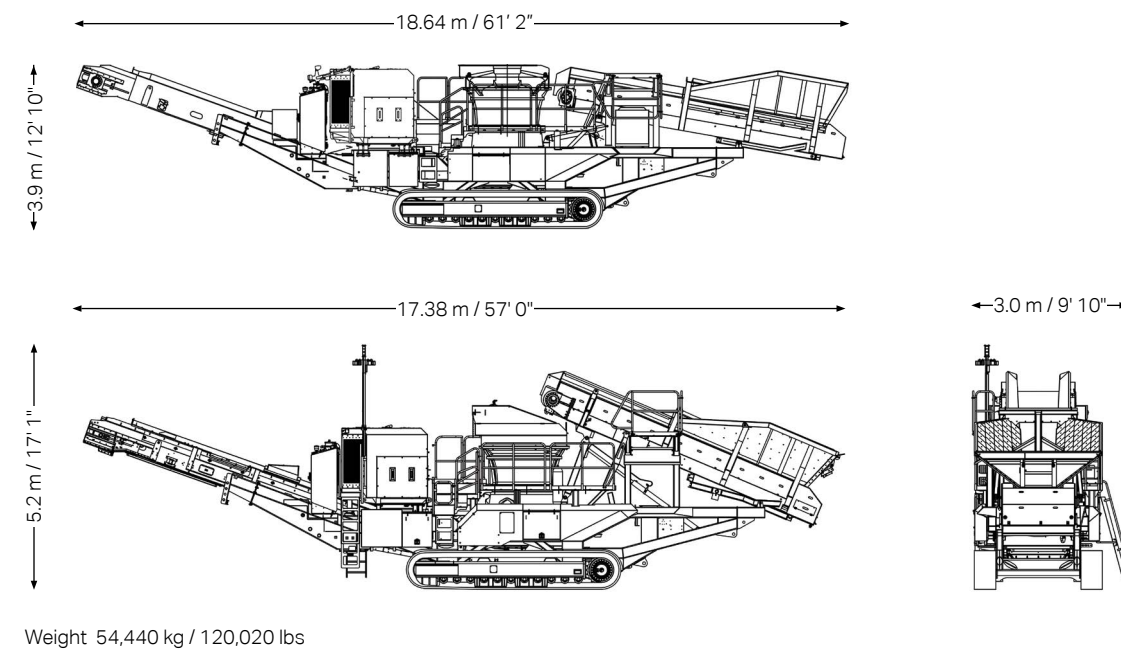
WORLD LEADING CONE CRUSHER

TECHNICAL SPECIFICATIONS

KEY SPECIFICATIONS	US440i
Crusher type	Sandvik CS440 Cone Crusher
Feed opening	Up to 450 mm / 18"
Speed	285 rpm
CSS range	25 – 54 mm / 1 – 2"
Drive	21 KPTO fluid coupling
Drive belts	8 off SPC 7500
Crusher weight	19,300 kg / 42,550 lbs

KEY SPECIFICATIONS	US440i
Power pack	
Engine	Volvo D13 Stage 2 / Tier 2 Volvo D13 Tier 4 Final
Engine power	315 kW / 422 hp
Diesel tank capacity	1125 litres / 297 USG
Hydraulic tank capacity	415 litres / 110 USG

Note. All weights and dimensions are for standard units only.



Available with optional hanging screen system.

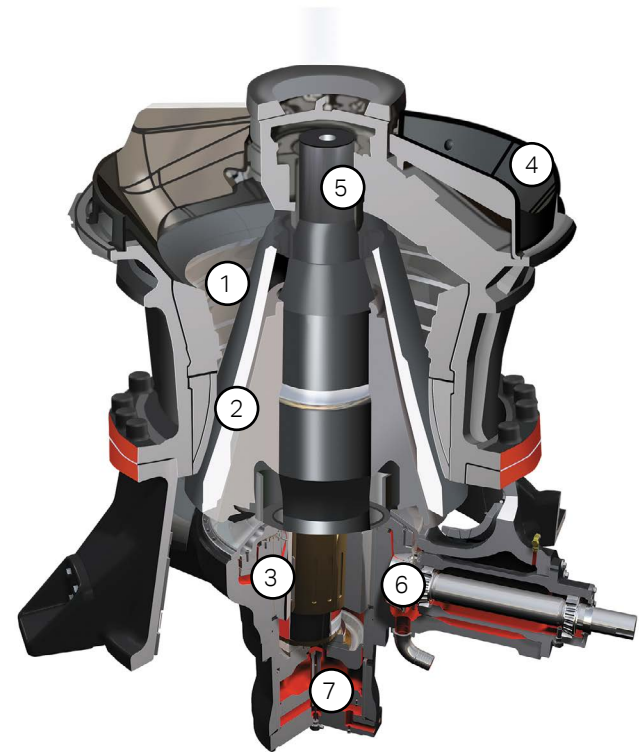
1 CLP Liners are designed to keep maximum feed size into the cone throughout the wear life of the liners. All liner options fit in one top shell.

Constant liner opening results in constant production performance throughout liner life.

2 Longer crushing chamber due to top & bottom support resulting in massive reductions in the chamber.

3 Bush arrangement has multiple settings to suit the required application.

Eccentric throw can be changed by simply turning the bush.



4 Unique crusher design eliminates the need for anti-spin device on head.

5 Main Shaft is supported from both the top and bottom giving additional strength.

6 Helical drive gear arrangement for maximum durability and smooth operation.

7 Single piston design for gap setting and over load protection. CSS can also be adjusted whilst crushing.

CONSTRUCTION.SANDVIK.COM

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 every effort has 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.



US440i CONE CRUSHER ENGINEERING IN MOTION

KEY SPECIFICATIONS	US440i
Equipment	Sandvik CS440 Cone Crusher
Maximum feed size	Up to 450 mm / 18"
Engine	D13 315 kW / 422 hp
Transport dimensions	18.64 m / 61' 2" (l) 3.00 m / 9' 10" (w) 3.90 m / 12' 10" (h)
Weight	54,440 kg / 120,020 lbs

FLEXIBLE SECONDARY CRUSHING

Our US440i is the ultimate heavy duty cone crusher capable of accepting a feed size of up to 450 mm / 18". We have designed this unit to suit the specific needs of large mine or quarry operators but it is also suitable for a huge range of different applications due to our market-leading CS440 gyratory cone crusher.

We offer a wide choice of mantles and settings and you can maximise your primary jaw production by opening the CSS for maximum throughput.

The US440i is powered by a 315 kW / 422 hp fuel efficient engine and its robust tracked chassis enables you to benefit from high mobility and a quick set up time. Trouble free and optimal production is ensured by the high level Intelligence control system together with an automatic setting system, ASRi, which optimizes cone crusher efficiency by automatically adapting the crusher to variations in feed conditions.

FEATURES INCLUDE:

- Secondary crusher with large feed opening especially well adapted to produce -50 mm / 2" after the UJ440i
- Pressurised cone to prevent dust ingress into the bushes and bearing
- Level sensor to help regulate the feed and to optimize your production, reduction and shape
- Automatic setting system ASRi for optimum efficiency
- Minimal wear and downtime through the use of our unique Constant Liner Performance
- Extremely fuel efficient due to direct drive and low rpm diesel engine

- ① **Main Conveyor**
- 1400 mm / 4' 7" wide conveyor with a maximum discharge height of 4046 mm / 13' 3"
 - Dust sealed conveyor
 - Impact bars, belt scrapers and self lubrication idlers for ease of maintenance
 - Canvas dust covers fitted as standard
 - Dust suppression spray bars (optional)

- ② **Feed conveyor**
- 1200 mm / 47" wide feed conveyor
 - Fully rubber lined feed hopper to protect against wear and noise
 - Automatic feeder control for uninterrupted production
 - Protected by a steel structure and impact bars to absorb shock loads and extend belt life

- ③ **Feed hopper**
- Reinforced hopper which raises hydraulically from transport to working position
 - Fully rubber lined to protect against wear and noise
 - Positioned for direct feeding from an excavator or primary crushing unit

- ④ **Cone**
- High performing Sandvik CS440 cone crusher
 - Automatic setting system ASRi for optimum efficiency
 - Constant Liner Performance (CLP) crushing chamber
 - Pressurised cone prevents dust ingress into the cone bearings
 - Metal detector fitted as standard
 - Level sensors fitted to optimize feed rate into the crusher
 - Wide range of chamber options and eccentric throw adjustments to optimize product gradation and capacity



- ⑧ **Power Pack**
- Volvo D13 315 kW / 422 hp emissions compliant engine
 - CAT C13 328 kW / 440 engine option also available
 - Extremely fuel efficient due to direct drive and low rpm diesel engine
 - Easy access to engine compartment for service and maintenance
 - Large capacity 1125 litre / 297 USG diesel tank
 - Lighting mast with flashing beacon and warning lights

- ⑦ **Control system**
- Highly efficient hydraulic system
 - 24 volt PLC and CanBus system in a sealed cabinet
 - User-friendly control with one touch sequential start-up system
 - LCD display screen with full diagnostic capability for total plant control

- ⑥ **Tracks**
- 500 mm / 19 3/4" wide tracks driven by umbilical control / radio control

- ⑤ **Chassis**
- Heavy duty fabricated chassis on a tracked frame
 - Platforms are located around the crusher and power pack for easy access for service and maintenance

STANDARD FEATURES



High performing CS440 Cone with ASRi



One touch sequential start-up system



Easy access to engine compartment



Radio remote control



Dust sealed main conveyor



Metal detector