



# US440E CONE CRUSHER PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

**The US440E is an electrically powered tracked mounted cone crusher aimed at the demanding quarry operator, construction company or contractor working with hard and abrasive applications. It features the Sandvik CS440 cone crusher, the SS1443 triple deck screener and the SS1013H pre-screen. The cone crusher can take a feed size of 450 mm and produce up to 500 tph. This makes it the perfect mobile cone crusher for secondary crushing applications where high capacity and high size reduction are desired.**

The US440E is available with a product screen and return conveyor, for enhanced product quality. The machine is also available in a simplified version, the US440E Swift, with no screening station and featuring an extended stockpiler.

The Sandvik US440E is powered by electricity (tracks and support legs are hydraulically driven), which results in an environmentally friendly and cost effective solution. It is equipped with a powerful diesel driven generator, which provides an alternative to the mains grid connection, whenever high mobility and multi site duty is required.

## KEY BENEFITS

- Sandvik CS440 cone crusher, available with a choice of three mantles (EC, C and MC) and 4 different eccentric throw settings spanning from 20 to 36, specifically designed for secondary crushing.
- The Sandvik SS1443 product screen can be configured to separate undersize into either one or two fractions, and is available with a choice of screen media.
- Sandvik SP1020H heavy duty pan feeder designed for efficient, high capacity feeding with low liner wear.
- Sandvik SS1013H triple deck pre screen, available with a choice of screen media
- Radio remote control as standard
- The crusher is fitted with an intelligent ASRi system, which monitors and automatically regulates CSS
- ASRi is integrated with the PLC control screen which is easy to operate and available in several languages
- The US440E is transported in three separate sections which are easily assembled on site
- Metal detector on feed conveyor for the protection of the crusher
- The unit is fully automated and is easily interlocked with other crushing units



KEY SPECIFICATIONS	US440E
Transport	
Part 1	
Length	14.8 m / 48.6'
Width	3.5 m / 11.5'
Height	3.85 m / 12.6'
Weight	62 mton / 68 ston
Part 2	
Length	4.5 m / 14.8'
Width	3.05 m / 10'
Height	3.0 m / 9.8'
Weight	8 mton / 9 ston
Part 3	
Length	7.9 m / 25.1'
Width	3.05 m / 10'
Height	2.8 m / 9.2'
Weight	8 mton / 9 ston
Total weight	82 mton / 90 ston

KEY SPECIFICATIONS	US440E
Operation	
Length	31.4 m / 103' 0"
Width	4.5 m / 14.8'
Height	6.2 m / 20' 4"
Equipment	
Crusher	Sandvik CS440
Feeder	Sandvik SP 1020 H
Pre screen	Sandvik SS 1013 H
Screen	SS 1443
Capacity	500 mtph / 551 stph
Electric motor	200 kW / 268 hp
Generating set	600 kVA
Engine	Volvo 1642 GE diesel generator

Note. All weights and dimensions are for standard units only

## OPTIONS

Overband magnet  
 Belt scale on discharge conveyor  
 Electrical power outlet 125A  
 Diesel driven heater for the engine  
 Diesel driven heating for engine and lubrication oil  
 Synthetic oil for CH 660  
 Synthetic oil for CH 440  
 Removable sidewall extension on feed hopper (width 4.0 m, volume 12 m<sup>3</sup>) 2008  
 Extra mast with floodlights

Electric conveyor heating  
 Dust filter  
 Product conveyor no.2 (800mm x 8m)  
 Belt scale  
 Preparation for connection to main supply  
 Oil bath cleaner for filter  
 Electrical Heating Feeder SP1020 and Hopper  
 NF conveyor incl. Support (8m x 650mm)  
 Belt scale for NF conveyor