



# UD440E MOBILE UNIT PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

**The UD440E is a self-propelled tracked primary and secondary crushing and screening unit in one. It is aimed at the demanding quarry operator, construction company or contractor in need of high productivity. Fitted with the Sandvik CJ412 jaw crusher, CH440 cone crusher and the SS1443 triple deck product screen, it can produce up to 500 tph. The machine is mostly powered by electricity (tracks and support legs are hydraulically driven), which results in an environmentally friendly and cost effective solution.**

The machine can be ideally fed by an excavator or alternatively, by a wheel loader. The fines are initially separated by means of a pre-screen below the grizzly, and then fed into the jaw crusher. The crushed material is then sized by the SS1443 screener, with the oversize subsequently crushed by the CH440 cone crusher, which operates in closed circuit with the screen. The UD440E is a very versatile plant, in that it can also operate without the cone crusher, should the end product specification not need a secondary crushing step.

## KEY BENEFITS

- Sandvik CH440 cone crusher, available with a choice of six different crushing chambers (F, MF, M, MC, E, EC), together with eight different bush settings, ranging from 16mm to 44mm, which make it one of the most versatile cone crushers in the market today.
- Sandvik CJ412 33" x 48" jaw crusher. Hydraulically adjustable closed side setting, from 75 - 225 mm.
- Sandvik SS1443 product screen. It can be configured to separate undersize into either one or two fractions, and is available with a choice of screen media.
- Radio remote control for starting, stopping and tracking the equipment
- The cone crusher is fitted with an intelligent ASRi system, which monitors and automatically regulates the close side setting
- The UD440E is transported in three separate sections which are easily put together on site and tracked via radio remote control
- Metal detector on feed conveyor for the protection of the crusher.



KEY SPECIFICATIONS	UD440E
<b>Equipment</b>	
Crusher	Sandvik CJ412 and CH440
Feeder	Sandvik GF 1046
Pre screen	PJ 10/10
Screen	Sandvik SS 1443
Capacity	500 mtph / 551 stph
Electric motor	160 / 200 kW 214 / 268 hp
Generating set	591 kVA
<b>Engine</b>	
Engine	Volvo TAD 1650 diesel generator
Primary	CJ409
Feed opening	895 x 660 mm / 35" x 26"
Drive	From electric motor, 75 kW, squirrel cage type
Secondary	CH420
Drive	Drive From electric motor, 90 kW, squirrel cage type.
<b>Operating Dimensions</b>	
Length	26.5 m / 86' 11"
Width	6.1 m / 20' 0"
Height	5.3 m / 17' 5"

KEY SPECIFICATIONS	UD440E
<b>Transport Dimensions</b>	
<b>Part 1</b>	
Length	16.4 m / 53' 10"
Width	3.5 m / 11' 6"
Height	3.9 m / 12' 9"
Weight	56 mton / 68 ston
<b>Part 2</b>	
Length	9.0 m / 29' 6"
Width	3.5 m / 11' 6"
Height	3.9 m / 12' 9"
Weight	52 mton / 57 ston
<b>Part 3</b>	
Length	4.8 m / 15' 9"
Width	3.1 m / 10' 2"
Height	3.1 m / 10' 2"
Weight	8 mton / 9 ston
Total weight	116 mton / 128 ston

Note. All weights and dimensions are for standard units only

## OPTIONS

Overband magnet  
 Belt scale on discharge conveyor  
 Electrical power outlet 125 A  
 Diesel driven heater for the engine  
 Diesel driven heating for engine and lubrication oil  
 Synthetic oil for CH660  
 Synthetic oil for CH440  
 Extra mast with floodlights  
 Electric conveyor heating  
 Dust filter  
 Product conveyor no.2 (800mm x 8m)  
 Belt scale  
 Extra shims behind the jaw plates CJ412

Preparation for connection to mains supply  
 Oil bath cleaner for filter  
 NF conveyor incl. Support (8m x 650mm)  
 Belt scale for NF conveyor  
 Automatic lubrication system