

# UJ440E jaw crusher unit

## Technical specification sheet



The UJ440E is a heavy-duty jaw crusher built using the latest technology which is highly productive and easy to operate thanks to its comprehensive automation system. Featuring the market leading Sandvik CJ412 jaw with a feed opening of 1200 x 800 / 48 x 32" it has a hydraulically adjustable CSS setting and a choice of jaw plates making it suitable for a wide range of different applications.

The unit is self-propelled with a chassis frame, crawlers and a diesel generator. All equipment on board is powered by electricity except the crawlers and the support legs, which are operated hydraulically.

Features include:

- The feed layout consists of a feeder with grizzly and screen deck, by pass chute and optional NF conveyor.
- A by-pass chute directs undersize material from the grizzly to the discharge conveyor.
- Sandvik Roxon discharge conveyor with belt scale, steering rollers and impact bars under the crusher.
- Impressive discharge height for superior stockpiling capacity.
- A level monitoring system above the crusher regulates the feeder speed.
- The feeder pan is equipped with a rubber protection in order to reduce impact, noise and wear.
- Unit is ready for electrical connection to the main supply.
- Platforms are situated on top of the crusher, and around the generator set to provide access for service and maintenance.
- Eight 24V floodlights are fitted on mast for illumination for night time and conditions of poor visibility.
- Electrically driven pump with automatic shut off for refilling of diesel.
- The feed hopper is removable in order to reduce unit transportation height.
- The UJ440E is manoeuvred by cable remote control with radio remote control available as an option.
- Emergency stop buttons are located throughout the machine.
- The design and manufacture of the UJ440E complies with all the directives required for CE marking.

## Technical specifications

	Sandvik UJ440E
<b>Operation</b>	
Height	4.7 m / 15.4'
Width	3.3 m / 10.8'
Length	20.6 m / 67.6'
<b>Transport</b>	
Height	3.9 m / 12.7'
Width	3.3 m / 10.8'
Length	20.2 m / 66.3'
<b>Weight *1</b>	
Part 1	67.5 mton / 73.5 ston
Part 2	3.8 mton / 4.4 ston
*1 excluding options	
<b>Feed station</b>	
Feeder type	SW1253H
Grizzly length	1.2 m / 3.9'
Hopper	8 m <sup>3</sup> / 295 ft <sup>3</sup>
<b>Crusher</b>	
Type	CJ412
Feed opening	1200 x 800mm / 48" x 32"
Drive	From electric motor. 132 kW, 50 Hz, squirrel cage type
<b>Discharge conveyor</b>	
Belt width	1400mm / 56"
Length	17.0 m / 55.8'
Drive	2 x 11,0 kW electrical motors
Approx. discharge height under drum	4.0 m / 13.1'

### Options

Overband magnet  
 Belt scale on discharge conveyor  
 Floodlights for the crawler tracks  
 Diesel driven heater for the engine  
 Complete oil filter set first service  
 Dust filter  
 NF conveyor incl. Support (8m x 500mm)  
 Water spray system (Spray nozzles both on crusher and discharge conveyor)

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<b>On-board power pack</b>	
Diesel engine	Volvo 1241 TAD
Rated output	375 kVA
Generator	Stamford
Fuel tank volume	2400 dm <sup>3</sup> / 635 US gallons
Main voltage	400 V/50 Hz / 3-phase a.c.
Control voltage	230 V/50 HZ / 1-phase a.c.
<b>Hydraulic system</b>	
System	Hydraulics for crawlers, crusher setting regulation and support legs
<b>Crawler tracks</b>	
Length c/c	4040mm / 159"
Track shoe width	500mm / 19.5"
Hydraulic pumps driven by	2 x 75 kW electric motors
<b>Performance</b>	
Max.feed size	760mm / 30"
Capacity (up to)	600 mtph
Travelling speed	25m / min AM
Max.slope-climbing capability	Approx. 20°

Radio remote system  
 Removable side wall extensions for the feed hopper  
 Automatic lubrication system  
 Complete Hydraulic hammer  
 Preparation for hydraulic hammer installation  
 Shim plates behind the jaw plates

The units depicted show all options currently available, and the colour scheme reflects the eventual scheme to be used. Current models may differ from those featured in this brochure. Please contact Sandvik to clarify specification and options. 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 reasonable efforts have 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.

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