

# UJ540 jaw crusher unit

## Technical specification sheet



The intelligent UJ540 tracked jaw crusher mounts the highly productive Sandvik CJ612 jaw, on a full tracked chassis but with an electric crusher drive. The CJ612 crusher is a single toggle 1200 x 1100 mm (48 x 44") jaw crusher, which has been designed for high productivity, low energy consumption and automated process control.

The feed arrangement consists of feeder with grizzly, by-pass chute, fines screen and optional fines conveyor. It has a level monitoring system within the crusher which regulates the feeder for optimal crusher performance.

Other features include:

- Discharge conveyor comes complete with belt scale, steering rolls and impact bars fitted underneath the crusher.
- Discharge conveyor width of 1400mm (56") and adjustable discharge height 4.1-4.4m / 13'8"-14'8" to enable massive stockpiling capacity.
- Automatic hydraulic CSS operation with wedges.
- Easily adapted for connection to mains electrical supply.
- The feeder pan is faced with rubber to absorb both impact and noise.
- Platforms are located around the crusher and power pack on top of the crusher and around the generator set provide easy access for service and maintenance.
- Two 24V floodlights are fitted on a mast for nighttime working, with additional floodlights placed at the screen, conveyor, generator set and electrical cabinet.
- The UJ540 is manoeuvred by radio remote control and has a cable remote control for back-up.
- Emergency stop buttons are located throughout the machine.
- For ease of transport the UJ540 is split into two parts that are easily separated with the aid of the four hydraulic legs.
- The design and manufacture of the Sandvik UJ540 complies with all the directives required for CE marking. The diesel engine complies with EU and US Emission regulation norms.

## Technical specifications

	Sandvik UJ540
<b>Operation</b>	
Height	5.8m / 19'
Width	3.5m / 11.5'
Length	19,8m / 65'
<b>Transport (in two parts)</b>	
Part no.1 height	3.9m / 12.8'
Part no.1 width	3.5m / 11.5'
Part no.1 length	15.1m / 49.5'
Part no.1 weight *1	46 mton/ 51 ston
Part no.2 height	3.8m / 12.5'
Part no.2 width	3.4m / 11.2'
Part no.2 length	8.9m / 29.2'
Part no.2 weight *1	60 mton/ 66 ston
*1 Excluding options	
<b>Feed station</b>	
Feeder type	SW1252H
Grizzly length	Stepped 2 x 800mm / 2 x 2' 2"
Hopper	7 m <sup>3</sup> / 347 ft <sup>3</sup>
Screen type	SS1012 2 decks
<b>Crusher</b>	
Type	Sandvik jaw crusher CJ612
Feed opening	1200 x 1100mm / 48 x 44"
Drive	From electric motor. 160 kW, 50 Hz, squirrel cage type with frequency inverter

### Options

Belt scale on discharge conveyor  
 Diesel driven heater for the engine  
 Level indicator for stockpile discharge conveyor  
 Removable side wall extensions on the feed hopper  
 Dust filter  
 Oil bath cleaner for filter  
 NF conveyor incl. Support (8m x 650mm)  
 Belt scale for NF conveyor  
 Extra foldable platform from jaw to feeder  
 Water spray system (Spray nozzles both on crusher and discharge conveyor)

	Sandvik UJ540
<b>Discharge conveyor</b>	
Belt width	1400mm / 4.6'
Length	15m / 49.2'
Drive	2 x 15 kW electrical motors
Approx. discharge height under drum	4.1 - 4.55m / 13' 8" - 14' 12" (adjustable)
<b>On-board power pack</b>	
Diesel engine	Volvo TAD 1355GE 409 kVA
Alternative	CAT 3406 365 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 and support legs
<b>Crawler tracks</b>	
Type	Track One
Track shoe width	500mm / 19.5"
Hydraulic pumps driven by	1 x 110 kW electric motor
<b>Performance</b>	
Max.feed size	975mm / 38.4"
Capacity (up to)	800 mtph
Travelling speed	17m / min (50 Hz) 20m / min (60 Hz)
Max.slope-climbing capability	Approx. 20°

Overband magnet  
 Floodlights for tracks  
 Extra lifting arrangement for shipping  
 Preparation for connection to mains supply  
 Automatic lubrication system  
 Hydraulic hammer set  
 Preparation for hydraulic hammer installation  
 63mm shim plates behind jaw to feeder

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.

SANDVIK CONSTRUCTION MOBILE CRUSHERS AND SCREENS LTD  
 HEARTHCOTE ROAD SWADLINCOTE DERBYSHIRE DE11 9DU ENGLAND  
 TEL +44 (0)1283 212121 FAX +44 (0) 1283 217342 info.mobilecs@sandvik.com www.sandvikmobiles.com

