



# UJ540 JAW CRUSHER PIONEERING SOLUTIONS FOR YOU

## TECHNICAL SPECIFICATION

**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.

### KEY BENEFITS

- 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.



KEY SPECIFICATIONS	UJ540
<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
<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 Generator	CAT 3406 365 kVA 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

KEY SPECIFICATIONS	UJ540
<b>Crawler tracks</b>	
Type	Track One
Track shoe width	500mm / 19.5"
Hydraulic pumps driven by	1 x 110 kW electric motor
<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>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°

Note. All weights and dimensions are for standard units only

## OPTIONS

Dust Filter System  
 Belt Scale on Main Conveyor  
 Belt Scale on Fines Conveyor (Hanging Screen only)  
 King Pin for Dolly  
 Block Heating for Engine  
 Adaption for UK Mines and Quarries  
 Pressure Gauges and O Ring Set  
 Stockpile Conveyor Level Sensor

Lifting arrangement for shipping  
 Hanging Screen System (Open Circuit)  
 Hanging Screen System (Closed Circuit)  
 Return Conveyor for Coarse Fraction  
 Complete First Service Filter Kit  
 Ambient Packages