

UJ540 jaw crusher unit in Action

Technical specification sheet



- Feed arrangement consists of feeder with grizzly, by-pass chute, fines screen and optional fines conveyor.
 - The intelligent UJ540 mounts the highly productive Sandvik CJ612 jaw crusher, on a full tracked chassis, with an electric crusher drive.
 - A level monitor system within the crusher regulates the feeder for optimal crusher performance.
 - Discharge conveyor comes complete with belt scraper, 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 situated on top of the crusher and around generator set provide ease of access for inspection and maintenance.
 - Two 24V flood lights are fitted on mast for night working,
- with additional flood lights placed at screen, conveyor, generator set and electrical cabinet.
 - Flash lights and a siren provide warning of movement and stand-by.
 - The UJ540 is manoeuvred by radio remote control and has a cord connected remote control for back-up.
 - Emergency stop buttons situated strategically around 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 ISO 9001 and all the directives required for CE marking. The diesel engine complies with EU and US Emission regulation norms.

Technical specifications

	Sandvik UJ540
Operation	
Height	5.8m / 19'
Width	3.5m / 11.5'
Length	19,8m / 65'
Transport (in two parts)	
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	46mton/ 51ston
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	60mton/ 66ston
*1 Excluding options	
Feed station	
Feeder type	SW1252H
Grizzly length	1.2m / 3.9'
Hopper	10 m3 / 353 ft3
Screen type	SS1012 2 decks
Crusher	
Type	Sandvik jaw crusher CJ612
Feed opening	1200x1100mm / 48x44"
Drive	From electric motor. 160 kW, 6 pole, 50 Hz, slip-ring type
Discharge conveyor	
Belt width	1400mm / 4.6'

Options

CM1	Overband magnet
CM4	Dust filter
CM5A	NF conveyor incl. support (8m x 650mm)
CM5B	Belt scale for NF conveyor
CM6	Automatic lubrication system for the jaw crusher
CM7	Hydraulic hammer set. Complete Rammer system BR927 and BB285 incl. hydraulics and brackets
CM7A	Preparation for hydraulic hammer installation
CM8	Water spray system (spray nozzles both on crusher and discharge conveyor)

	Sandvik UJ540
Length	15m / 49.2'
Drive	2x15kW electrical motors
Approx. discharge height under drum	4.1-4.4m / 13'8"-14'8" (adjustable)
On-board power pack	
Diesel engine	CAT 3406 365 kVA
Alternative	Volvo 1242 409 kVA
Generator	Stamford
Fuel tank volume	2400 dm3 / 635 US gallons
Main voltage	400 V/50 Hz/3-phase a.c.
Control voltage	230 V/50 HZ/1-phase a.c.
Hydraulic system	
System	Hydraulics for crawlers and support legs
Crawler tracks	
Type	Intertractor B7
Track shoe width	500mm / 19.5"
Hydraulic pumps driven by	2 x 75 kW electric motors
Performance	
Max.feed size	975mm / 38.4"
Capacity (up to)	800mtp
Traveling speed	17m/min (50 Hz) 20m/min (60 Hz)
Max.slope-climbing capability	Approx. 20°

CM10	Belt scale on discharge conveyor
CM14	Flood lights on crawlers
CM18	Diesel driven heater for the engine
CM24	Extra lifting arrangement for shipping
CM32	Removable side wall extensions on the feed hopper *
CM43	Preparation for connection to main supply *

* Contact product department for more information

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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