

UJ440E jaw crusher unit in Action

Technical specification sheet



- 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 scraper, steering rolls 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.
- Hydraulic CSS setting with wedges.
- Unit is ready for electrical connection to the main supply.
- Platforms are situated on top of the crusher, and around generator set to provide access for inspection and maintenance.
- Eight 24V flood lights are fitted on mast for illumination for night time and low visibility working.
- Flash lights and a siren provide visual and sound warning of movement and stand by.
- Electrically driven pump with automatic shut off for refilling of diesel.
- The feed hopper is removable in order to reduce unit transportation height.
- Is manoeuvred by (optional) radio remote control, and possesses a cord connected remote control as a back-up.
- Emergency stop buttons are situated at appropriate locations
- The design and manufacture of the UJ440E complies with ISO 9001 and all the directives required for CE marking.

Technical specifications

	Sandvik UJ440E
Operation	
Height	4.7m / 15.4'
Width	3.3m / 10.8'
Length	20.6m / 67.6'
Transport	
Height	3.9m / 12.7'
Width	3.3m / 10.8'
Length	20.2m / 66.3'
Weight *1	
Part 1	67.5mton/73.5ston
Part 2	3.8mton/ 4.4ston
*1 excluding options	
Feed station	
Feeder type	SW1253H
Grizzly length	1.2m / 3.9'
Hopper	8 m3 / 295 ft3
Crusher	
Type	CJ412
Feed opening	1200x 800mm / 48" x 32"
Drive	From electric motor. 132kW, 50 Hz, squirrel cage type
Discharge conveyor	
Belt width	1400mm / 56"
Length	17,0m / 55.8'
Drive	2x 11,0 kW electrical motors
Approx. discharge height under drum	4.0m / 13.1'

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On-board power pack	
Alt 1: diesel engine	Volvo 1241 TAD
Rated output	375 kVA
Alt 2: diesel engine	CAT 3406C
Rated output	365 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, crusher setting regulation and support legs
Crawler tracks	
Length c/c	4040 mm / 159"
Track shoe width	500mm / 19.5"
Hydraulic pumps driven by	2 x 75 kW electric motors
Performance	
Max.feed size	760mm / 30"
Capacity (up to)	600mtph
Traveling speed	25m/min AM
Max.slope-climbing capability	Approx. 20°

Options

CM1	Overband magnet *
CM4	Dust filter
CM5A	NF conveyor incl. support (8,0m x 500mm)
CM6	Automatic lubrication system for the jaw crusher
CM7	Hydraulic hammer set. Complete Rammer system BR927 and BB285 incl. hydraulics and brackets
CM7A	Unit prepared for hydraulic hammer installation
CM8	Water spray system (spray nozzles both on crusher and discharge conveyor)
CM10	Belt scale on discharge conveyor *

CM11	Radio remote control
CM14	Flood lights pointed at the crawlers
CM16	Extra power outlet (63A) for external screening station.
CM18	Diesel driven heater for the engine
CM20	Adaptation mines and quarries for UK *
CM29A	Complete oil filter set first service
CM32	Removable side wall extensions for the feed hopper

* 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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