

UJ640 jaw crusher unit

in Action

Technical specification sheet



- The UJ640 comes in 2 basic types:
 - Comfort - complete with feeder and grizzly, fitted screen deck underneath, by-pass chute and optional fines conveyor.
 - Direct – identical configuration to above, but feed arrangement consists of a 10 m³ fixed feed hopper. Should oversized rock enter, the hopper can be hydraulically tilted backwards.
- The CJ615 crusher is a single toggle jaw crusher, characterized by attention to detail in both design and manufacture and developed with customer's real requirements very much in mind.
- For clean, trouble free operation, the discharge conveyor comes complete with belt scraper, steering rolls and impact bars situated under the crusher.
- Feed is adjusted in the crusher depending on material level through a level monitoring system. (Available with the Comfort version only)
- Main power is 400V AC, Control voltage is 230V AC and 24V DC
- Easily adapted for connection to mains electrical supply
- A number of sensors are situated at strategic locations to ensure a trouble free operation, and prevent against costly breakdowns.
- In order to protect the main conveyor a material bed is situated directly under the crusher.
- Platforms around crusher, screen and generator, provide excellent access for inspections and maintenance.
- Flash lights with sirens provide visual and sound warnings, of movement and process stand by.
- Floodlights are fitted for night time and poor visibility working.
- Emergency stop buttons are situated throughout the machine.
- The entire machine may be manoeuvred by radio remote control and / or umbilical cord.
- For flexible operation between sites and to meet transport regulations the UJ640 is transported in parts. These are easily separated with the aid of the four hydraulic legs with reassembly time being minimised through this "kit" construction.
- The design and manufacture of the Sandvik UJ640 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 UJ640 Comfort	Sandvik UJ640 Direct
Operation		
Height	6.58m / 21.59'	5.70m / 18.70'
Width	4.80m / 15.75'	4.80m / 15.75'
Length	20.5m / 68.8'	18.0m / 59.1'
Transport (in 2 parts)		
Part no.1 height	3.9m / 12.8'	3.9m / 12.8'
Part no.1 width	3.8m / 12.18'	3.7m / 12.14'
Part no.1 length	10.6m / 34.78'	6.4m / 20'
Part no.1 weight	68.5mton/ 75ston	68mton/ 75ston
Part no.2 height	4.1m / 13.45'	4.1m / 13.45'
Part no.2 width	4.0m / 12.98'	3.95m / 12.96'
Part no.2 length	15.5m / 50.85'	14.6m / 47.9'
Part no.2 weight	62mton/ 68ston	56mton / 62ston
Crusher		
Type	Sandvik jaw crusher CJ615	Sandvik jaw crusher CJ615
Feed opening	1500x1100mm	1500x1100mm
Drive	From electric motor. 200 kW, 6 pole,50 Hz, slip-ring type	From electric motor. 200 kW, 6 pole,50 Hz, slip-ring type
Feed station		
Feeder	SW1453	-
Grizzly	2x1200mm / 2x47.2"	-
Hopper volume	14m3 / 425 cu'	10m3 / 353 cu'
Discharge conveyor		
Belt width	1600mm / 63"	1600mm / 63"
Length	15,2m / 50'8"	15,2m / 50'8"
Drive	2x18.5 kW electrical motors	2x18.5 kW electrical motors
Approx. discharge height under drum	4.1-4.5m / 14-15' (adjustable)	4.1-4.5m / 14-15' (adjustable)
On-board power pack		
Diesel engine	CAT C15 - 455 kVA	CAT C15 - 455 kVA
Generator	Stamford	Stamford
Fuel tank volume	2400 dm3 / 635 US gallons	2400 dm3 / 635 US gallons
Main voltage	400 V/50 Hz/3-phase a.c.	400 V/50 Hz/3-phase a.c.
Control voltage	230 V/50 HZ/1-phase a.c.	230 V/50 HZ/1-phase a.c.
Hydraulic system		
System	Hydraulics for crawlers and support legs	Hydraulics for crawlers and support legs
Crawler tracks		
Type	CAT 350 HD	CAT 350 HD
Track shoe width	600mm / 24"	600mm / 24"
Hydraulic pumps driven by	1 x 110kW electric motor	1 x 110kW electric motor
Performance		
Max.feed size	975mm / 38.4"	975mm / 38.4"
Capacity (up to)	1100mtph / 1210stph	1100mtph / 1210stph
Traveling speed	17m/min (50 Hz) 20m/min (60 Hz)	17m/min (50 Hz) 20m/min (60 Hz)
Max.slope-climbing capability	Approx. 20°	Approx. 20°

Options

CM1	Overband magnet	CM8	Water spray system (spray nozzles both on crusher and discharge conveyor)
CM4	Dust filter	CM10	Belt scale on discharge conveyor
CM5A	NF conveyor incl. support (8m x 800mm)	CM14	Flood lights on crawlers
CM5B	Belt scale for NF conveyor	CM18	Diesel driven heater for the engine
CM6	Automatic lubrication system for the jaw crusher	CM24	Extra lifting arrangement for shipping
CM7	Hydraulic hammer set. Complete Rammer system BR927 and BB285 incl. hydraulics and brackets	CM32	Removable side wall extensions for the feed hopper including rubber clothing W 4,9 m H 7,3 m Vol 25 m3
CM7A	Preparation for hydraulic hammer installation		

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.