



Sandvik UJ640E

Tracked heavy jaw crusher

The UJ640E is a heavy duty, electrically powered jaw crusher designed for high productivity and low energy consumption. Featuring the CJ615 crusher with large intake and an automated process control system, this machine offers high performance with minimal downtime and has proven itself in the toughest of applications and in all climatic conditions.



Key benefits

Reliability

- Built for hard and abrasive rock
- Market leading Sandvik CJ615 jaw for strength and high performance
- Wear lined impact zones
- All onboard components are electrically driven giving reliability and minimal maintenance
- Premium quality components for durability

Productivity

- Large intake opening of 1500 x 1070 mm / 59" x 42" for highest rates of production in its class
- Level sensors and step less regulation of feeder for optimized production
- Discharge conveyor width of 1600 mm / 63" and adjustable discharge height 3.7 - 4.8 m / 12'-16' to enable massive stockpiling capacity
- A number of sensors at different key locations to ensure a trouble free operation and prevent costly breakdowns
- Choice of jaw plates and settings for a wide range of applications
- Transported in two separate sections, individually self-supported for easy assembly on site, resulting in more uptime and higher productivity
- The unit can work as stand alone or interlocked in a "process train" with other crushing and screening units
- Dual on board interlocking via PLC for optimal performance and operating efficiency, relay as backup

Cost of ownership

- Latest generation fuel efficient engines provide maximum performance and cost efficiency
- Low cost per tonne via electric final drives and onboard diesel generator or electric plug-in option
- Quick return on investment and high resale value

Safety

- User-friendly control system via PLC from one location and radio remote control as standard
- Minimal maintenance with safe and easy access
- Generator set and fuel tank can be located at ground level for easier service
- LED Floodlights for safe operation 24 hours a day

Sustainability

- Lower environmental impact due to latest emissions compliant engines, reduced fuel consumption and less operating noise
- Electric plug-in option allows you choose your preferred energy source, diesel mode or electric mode to lower your operation costs and reduce environmental impact
- Dust suppression system minimizes dust emissions reducing environmental impact
- Rubber lined impact zones reduce operating noise and need for maintenance
- Quality components ensure longer lifetime and support optimized service and maintenance

Technical specification

Key specifications	UJ640E
Hopper	
Width	3750 mm / 12' 3'
Length	6270 mm / 20' 6"
Capacity	14 m ³ / 18.31 yds ³
Rear loading height	6500 mm / 21' 3"
Feeder	
Type	Sandvik SW1453
Width	1400 mm / 55"
Length	5200 mm / 17'
Grizzly length	2 x 1200 mm / 2 x 4'
Crusher	
Type	Sandvik CJ615 jaw
Feed opening	1500 x 1070 mm / 59" x 42"
CSS range	115 mm - 300 mm / 4.5" - 11.8" *
Drive	Electric motor 200 kW / 300 hp 6 pole, 50 Hz, slip-ring type
Discharge conveyor	
Belt width	1600 mm / 63"
Length	15.2 m / 49' 9"
Discharge height under drum	4100 - 4500 mm / 14' - 15' (adjustable)
Natural fines conveyor	
Width	650 mm / 2' 2"
Length	8000 mm / 26' 2"
Discharge height under drum (approx)	4400 mm / 14' 4"
Power pack	
Type	Volvo D16 / Volvo D16 / Volvo D16 alt. CAT C15
Stage / Tier	Stage 5 / T4F / T3
Generator	Stamford 650 kVA
Fuel tank volume	3000 litres / 635 USG
Main Voltage	400 V/50 Hz / 3 - phase a.c.
Control voltage	230 V/50 HZ / 1 - phase a.c.

Key specifications	UJ640E
Tracks	
Length (centres)	4490 mm / 14' 8"
Width (shoe)	600 mm / 24"
Drive	Hydraulic
Control	Umbilical / radio remote
Transport dimensions part 1 **	
Length	16.4 m / 54'
Width	4.0 m / 13' 1"
Height	4.0 m / 13' 1"
Standard weight	59,500 kg / 131,175 lbs
Transport dimensions part 2 **	
Length	8.7 m / 28' 6"
Width	3.9 m / 13'
Height	4.0 m / 13' 1"
Standard weight	67,500 kg / 148,811 lbs
Operating dimensions	
Length	21.7 m / 71'
Width	10 m / 33'
Height	7.3 m / 24'
Standard weight	137,500 kg / 303,135 lbs
Performance	
Max feed size	960 mm / 38"
Capacity (up to)	1000 mtph / 1100 stph *
Travelling speed	1.2 km / h / 0.75 mph
Max Incline / side to side	20° / 10°
Note. All weights and dimensions are for standard units only	

Standard specification

- Crusher level sensor
- Radio remote control with umbilical cord as back-up
- Frequency inverter for the crusher
- Automatic lubrication for the jaw
- Dust suppression spray system on crusher and discharge conveyor
- Electrical power outlet 125A
- Natural fines conveyor with support
- Maintenance platforms for service and maintenance
- Self-adjusting stabilizing support legs

- PLC control system (Relays as backup)
- Standard main voltage 400V AC 50Hz
- Control voltage is 230V AC and 24V DC
- Light masts, warning beacons, panel light and tracking lights
- Tool kit
- Diesel engine pre-heater
- Rubber lined vibrating grizzly feeder
- Heavy duty conveyor with dust covers
- Preparation for connection to mains supply
- Diesel refilling from ground level incl. electric pump

* Application specific. Please contact a Sandvik representative for clarification on specifications and options

** Check with your Sandvik representative for correct dimensions and valid transport drawing. Extra transport for loose parts might be needed
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