Sandvik UJ313

Wheeled jaw crusher

The UJ313 is Sandvik's new generation of fully electric wheeled crushing units. Assembled on a single trailer and mounted on a triple axle bogie, this primary crushing unit is electrically powered for a more sustainable future. Ideal for most applications, the UJ313 has been designed with sustainability, productivity and ease of set up in mind. It features the highly reliable and productive Sandvik CJ211 jaw crusher and comes complete with grizzly feeder, motors, starters, frequency drive and electrical control panel, offering high performance with minimal downtime.



Key benefits

Reliability
- Market leading Sandvik CJ211 jaw crusher for reliability and high performance
- All onboard components are electrically driven providing reliability and requiring minimal maintenance
- Heavy duty chassis beams, strength analysis on structural parts and quality components for durability
- Capable of operating in most hostile environments
- Level sensors at jaw feed and conveyor discharges ensure trouble free operation and prevent costly breakdowns

Productivity
- Large intake opening of 1100 x 700 mm / 43" x 27"
- Hydraulically adjustable jaw setting to maximize your output
- Choice of jaw plates and settings for a wide range of applications
- Step less regulation of feeder and level sensor over jaw crusher for optimized production
- 1000 mm / 40" discharge conveyor
- 500 mm / 20" side discharge conveyor
- Basic telematics

Cost of ownership
- Quick to set-up and easy to maintain, resulting in more uptime and higher productivity
- Low cost-per-ton due to electric operation and reliable Sandvik feeder and crusher
- Quick return on investment and high resale value

Safety
- Removable electrical control panel to be located on the ground during operation
- Pull stop chords fitted on both sides of natural fines conveyor
- Crusher mounted safety guards and multiple emergency stop buttons for safe operation
- Maintenance platforms with handrails and access ladders provide excellent access for service and maintenance
- Minimal maintenance with safe and easy access

Sustainability
- Low emissions due to electrical operation, minimizing environmental impact
- Quality components ensure longer lifetime and supports optimized service and maintenance

Support
- Extensive global distributor and sales support network

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Key specifications	UJ313
Feed station	
Feeder type	SW 1043H with bar grizzly
Grizzly length	1.35 m / 4’ 5”
Grizzly gap	70, 90 or 120 mm / 2.7, 3.5 or 4.7”
Drive	Electric motors 2 x 3.75 kW / 5 HP – 60 Hz 2 x 8 kW / 11 HP – 50 Hz
Hopper	Up to 7 m³ / 9.1 yd³
Crusher	
Type	CJ211
Feed opening	1100 mm x 700 mm / 43” x 27”
Drive	90 kW / 125 HP 6 pole squirrel cage motor
Discharge conveyor	
Belt width	1000 mm / 40”
Length	7.85 m / 25’ 9”
Drive	11 kW / 15 HP
Approx discharge height	3.19 m / 10’ 6”
Natural fines side conveyor	
Belt width	500 mm / 20”
Length	4.05 m / 13’ 3”
Drive	5.5 kW / 7.5 HP
Approx discharge height	2.5 m / 8’ 2”
Magnetic separator	
Type	CP20 / 100 or equivalent
Drive	1.5 kW / 2 HP
Suspension height	250 mm / 10”

Key specifications	UJ313
Power system	
Total power	120 kW / 161 HP – 60 Hz 128 kW / 172 HP – 50 Hz
Supply voltage	380 / 400 / 415 / 440 / 460 V
Control voltage	110-120V / 220-240 V
Frequency options	50 / 60 Hz
Running gear	
Type	2” / 3 ½” Leaf-spring triple axle bogie with EBS and running lights Tyres 295 / 80 R 22.5 16P R
Transport dimensions	
Length	13.71 m / 45’
Width	3.00 m / 9’ 10”
Height	4.00 m / 13’ 1”
Standard weight	42,350 kg / 93,366 lbs
Operating dimensions	
Length	13.71 m / 45’
Width	5.71 m / 18’ 9”
Height	5.26 m / 17’ 3”
Performance	
Max feed size	630 mm / 25”
Capacity (up to)	310 tph / 340 stph (@125 mm CSS) *

Note. All weights and dimensions are for standard units only

Standard specification

- Self-locking hydraulically folded feed hopper
- Hopper extensions
- Foldable side conveyor with support
- Motorized pulley on discharge and side conveyor
- Maintenance platforms hydraulically folded
- Level sensors and VFD with feeder to ensure proper crusher feeding
- Radio remote control of feeder
- Electrical power outlet for additional stockpiling conveyors
- UL / CE certified removable electrical switchgear
- Soft starter for crusher
- Six hydraulic jacking legs
- Gas hydraulic power unit
- Dust suppression manifold with sprays bars fitted at conveyors and feed into crusher
- (7) E-stop buttons in the unit
- Basic telematics

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

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