



Sandvik UJ310

Wheeled jaw unit

The UJ310 is a primary crushing unit fully assembled on a single trailer frame and mounted on a triple axle bogie. Featuring the highly reliable and productive CJ411 jaw crusher, and provided with a SW 1253H vibrating feeder and discharge conveyor. It has been designed to offer high-end productivity at a low cost-per-tonne operation.



Key benefits

Reliability

- Market leading Sandvik CJ411 jaw for reliability and high performance
- All onboard components are electrically driven giving reliability and minimal maintenance
- Heavy duty chassis beams, strength analysis on structural parts and quality components for durability
- Capable of operating in the most hostile environments

Productivity

- Large feed opening with high capacity reduction
- Possessing an ideal nip angle for smooth material flow, high reduction efficiency and single-toggle operation with a deep crushing chamber
- Easy setting adjustment for simple and efficient operation
- Sandvik jaw crushers' unique design offers higher productivity due to its chamber geometry and feed arrangement, as well as durability due to its frame and jaw stock arrangement, position of welds, and protection against wear
- Grizzly feeder with adjustable openings and by-pass chute for greater flexibility. It has a wire cloth screening element beneath the grizzly, to remove natural fines
- Frequency inverter for feeder speed control in order to provide step less regulation of the feed rate
- Simple and efficient operation with soft starting crusher f or trouble free operation

Cost of ownership

- Low cost-per-tonne due to electric operation
- Quick to set-up and easy to maintain, resulting in more uptime and higher productivity

Safety

- Removable electrical control panel can be located on the ground during operation
- 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

Sustainability

- Low emissions due to electrical operation, reducing CO₂ emissions
- Quality components ensure longer lifetime and support optimized service and maintenance

Support

- Extensive distributor, sales and service network

Technical specification

Key specifications	UJ310
Feed station	
Feeder type	Sandvik SW1253H
Grizzly length	1.5 m / 4.9'
Grizzly gap	90, 105 or 120 mm / 3.5", 4.1" or 4.7"
Drive	Electric motors 2 x 9.8 kW
Hopper	15 m ³ / 19.6 yds ³
Crusher	
Type	Sandvik CJ411 jaw
Feed opening	1045 x 840 mm / 41" x 33"
Adj type	Through shims
CSS range	70 - 225 mm / 2 3/4" - 8.8" *
Drive	Electric 110 kW, 6 pole motor
Discharge conveyor	
Belt width	1000 mm / 40"
Length	8.1 m / 26' 5"
Drive	Electric motor 11 kW, 50 Hz
Approx discharge height under drum	2.1 m / 6' 9"

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Power system	
All electrics are intended for connection to a mains supply	
Total power	141 kW
Supply voltage	415-50 Hz / 440 V - 60 Hz / 3-phase AC
Control voltage	220 V - 50 / 60 Hz / 3-phase AC
Running gear	
Type	2" / 3 1/2" King-pin, triple-axle bogie with air-brakes, ABS and running lights. Tyres 11" x 20" - 16 ply
Transport dimensions	
Length	15.13 m / 49.7'
Width	2.56 m / 8.2'
Height	4.00 m / 13.1'
Standard weight	52,500 kg / 115,700 lbs
Operating dimensions	
Length	15.20 m / 50'
Width	3.80 m / 12.5'
Height	5.30 m / 17.4'
Performance	
Max feed size	750 mm / 30"
Capacity (up to)	325 mtph / 358 stph at CSS 125 mm / 5" *

Note. All weights and dimensions are for standard units only

Standard specification

- Feed hopper complete with wear resistant liners
- Self contained electrical switchgear cabinet with soft starter and variable frequency drive
- Maintenance platform with handrails and access ladder
- Safety guards to crusher drives
- Emergency stop buttons
- 2" / 3 1/2" King pin, double-axle bogie with air-brakes and running lights. Tyres 11" x 20" - 16 ply
- Trailer suitable for 24 V supply

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