Sandvik UJ210

Wheeled jaw unit

The UJ210 is a primary crushing unit fully assembled on a single trailer frame and mounted on a double axle bogie. Featuring the highly reliable and productive CJ409 jaw crusher, and provided with a SW1043H 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 CJ409 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 for 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 to 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 CO_2 emissions
- Quality components ensure longer lifetime and support optimized service and maintenance

Support
- Extensive distributor, sales and service network

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Key specifications	UJ210
Feed station	
Feeder type	Sandvik SW1043H
Grizzly length	1.35 m / 4’ 4”
Grizzly gap	70, 90 or 120 mm / 2.7”, 3.5” or 4.7”
Drive	Electric motors 2 x 8 kW
Hopper	9 m³ / 11.7 yd³
Crusher	
Type	Sandvik CJ409 jaw
Feed opening	895 mm x 660 mm / 35” x 26”
Adj type	Through shims
CSS range	40 - 180 mm / 1 5/8” - 7” *
Drive	Electric 75 kW, 6 pole motor
Discharge conveyor	
Belt width	1000 mm / 40”
Length	6.5 m / 21’ 3”
Drive	Electric motor 11 kW, 50 Hz
Approx discharge height under drum	1.9 m / 6’ 2”

Key specifications	UJ210
Power system	
All electrics are intended for connection to a mains supply	
Total power	102 kW / 137 hp
Supply voltage	415-50 Hz / 440 V - 60 Hz / 3-phase a.c.
Control voltage	220 V-50 / 60 Hz / 3-phase a.c.
Running gear	
Type	2” / 3 ½” King pin, double-axle bogie with air-brakes and running lights. Tyres 10” x 20” - 16 ply
Transport dimensions	
Length	12.60 m / 41.3’
Width	2.55 m / 8.33’
Height	4.10 m / 13.4’
Standard weight	36,500 kg / 80,500 lbs
Operating dimensions	
Length	12.60 m / 41.3’
Width	3.05 m / 10’
Height	5.00 m / 16.4’
Performance	
Max feed size	600 mm / 25”
Capacity (up to)	235 mtph / 359 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 ½” King pin, double-axle bogie with air-brakes and running lights. Tyres 10” 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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