



SANDVIK UJ300 WHEELED JAW UNIT

TECHNICAL SPECIFICATION

The UJ300 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 CJ211 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	<ul style="list-style-type: none"> - Market leading Sandvik CJ211 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Low cost per tonne due to electric operation - Quick to set-up and easy to maintain, resulting in more uptime and higher productivity
Safety	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Low emissions due to electrical operation, reducing CO₂ emissions - Quality components ensure longer lifetime and support optimized service and maintenance





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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
Capacity	9 m ³ / 11.7 yd ³
Crusher	
Type	Sandvik CJ211 jaw
Feed opening	1100 mm x 700 mm / 43" x 28"
Adj type	Hydraulic
CSS range	60 - 200 mm / 2.3" - 8" *
Drive	Electric 90 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"

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Power system	
All electrics are intended for connection to a mains supply	
Total power	117 kW / 156 hp
Supply voltage	415-50 Hz / 440 V - 60 Hz / 3-phase AC
Control voltage	220 V-50 / 60 Hz / 3-phase AC
Running gear	2" / 3 1/2" King-pin, double-axle bogie with air-brakes and running lights. Tyres 10" x 20" - 16 ply
Transport dimensions	
Height	4.10 m / 13.45'
Width	2.55 m / 8.33'
Length	12.60 m / 41.3'
Weight	37,000 kg / 81,571 lbs
Operating dimensions	
Height	5.0 m / 16.4'
Width	3.1 m / 10.17'
Length	12.60 m / 41.3'
Performance	
Max feed size	630 mm / 26"
Capacity (up to)	310 mtp ^h / 342 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 10" x 20" - 16 ply
 Trailer suitable for 24 V supply

For option availability please speak with your local Sandvik representative

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