



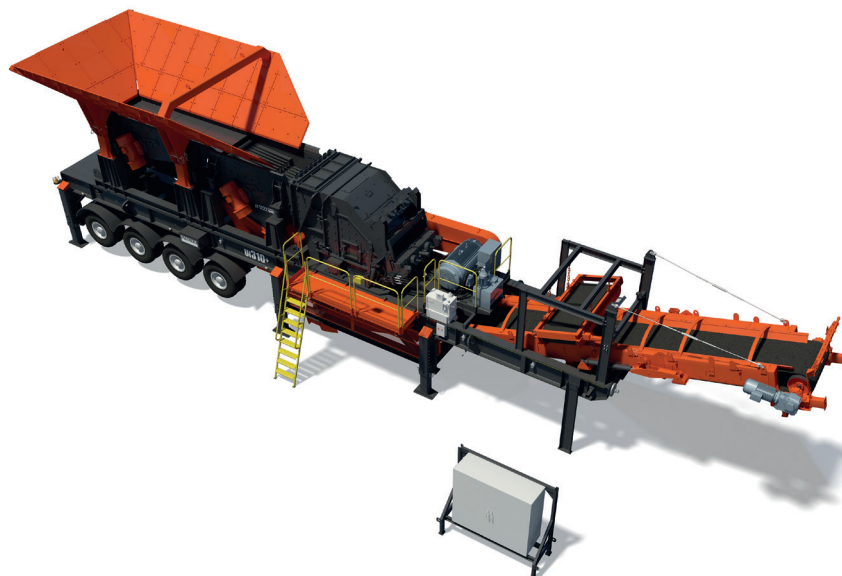
SANDVIK UI310+ WHEELED HSI UNIT

TECHNICAL SPECIFICATION

The UI310+ is a primary crushing unit fully assembled on a single trailer frame and mounted on a quad axle bogie, supplied with EBS. Featuring the Sandvik patented CI721 Impactor and provided with a ST1263 feeder screen and discharge conveyor, it has been designed to offer a highly versatile, high-end capacity plant at a low cost-per-tonne operation.

KEY BENEFITS

Reliability	<ul style="list-style-type: none"> - Market leading Sandvik CI721 Priseic impact chamber for unrivalled flexibility and 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"> - Patented chamber design ensures high reduction ratios - Patented adjustment / braking system for relieving blockages whilst in operation, thereby maximizing uptime - Adjustable apron curtains and tip speed enable a wide range of end product gradations to be achieved. - Pan feeder and double deck vibrating screen for removal of fines, thereby maximizing throughput and reducing wear - Crusher by-pass chute allows flexibility in material distribution - 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 - Modularized wear parts can be turned for maximum usage
Safety	<ul style="list-style-type: none"> - Patented rotor locking and positioning device for quick and safe maintenance - Unique key trapped system to ensure safe inspection after the rotor has stopped turning - 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
Support	<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.





KEY SPECIFICATIONS	UI310+
Feed station	
Screen type	ST1263 feeder screen 80, 100 or 120 mm /
Grizzly gap	3", 4" or 4 3/4"
Drive	Electric motor 2x 4.53 kW ST1341 Electric motor 2x 4,53 kW ST1342
Hopper volume	16m ³ / 565ft ³ / 21 yd ³
Impactor	
Type	Sandvik CI721 HSI
Adj type	Hydraulic
Feed opening	980 mm x 1360 mm / 39 x 54"
Rotor diameter	1150 mm / 46"
Drive	Electric motor 250 kW, 4 pole
Power system	
All electrics are intended for connection to a mains supply	
Total power	286 kW
Supply voltage	460V-60 Hz / 3-phase AC
Control voltage	120V-60Hz / 3-phase AC
Frequency	50 Hz / 60 Hz
If powered by a genset at least 750 KVA is required	
Running gear	2" / 31 / 2" King-pin, quad-axle bogie with air-brakes, EBS and running lights. Tyres 315 / 80-22.5 - 18 PR
Discharge conveyor	
Belt width	1200 mm / 47' 2"
Length	11.3 m / 37' 1"
Drive	Electric motor 15 kW, 50/60 Hz
Approx discharge height under drum	3.4 m / 11' 2"

STANDARD SPECIFICATION

- Feed hopper complete with wear resistant liners
- Self-contained UL certified 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" / 31 / 2" King-pin, quad-axle bogie with air-brakes, EBS and running lights. Tyres 315 / 80-22.5 - 18 PR
- Trailer suitable for 12 V / 24 V supply
- Magnetic separator
- Easy and quick displacement between job sites with 6 hydraulic legs along with power pack, product conveyor hydraulically folded
- Option with pan feeder below crusher

KEY SPECIFICATIONS	UI310+
Transport dimensions	
Height	4.10 m / 13.45'
Width	3.15 m / 10.33'
Width without skid assembly	2.73 m / 8.95'
Length	16.55 m / 54.29'
Weight	53,800 kg / 118,609 lbs
Weight without skid assembly	38,000 kg / 83,776 lbs
Operating dimensions	
Height	5.90 m / 19.35'
Width	3.93 m / 12.89'
Length	19.27 m / 63.22'
Performance	
Max feed size	700 mm / 28"
Capacity (up to)	450 mtp/h / 496 stph *

Note. All weights and dimensions are for standard units only

For option availability please speak with your local Sandvik representative

* Application specific. Please contact a Sandvik representative for clarification on specifications and options. Sandvik reserves the right to make changes to the information on this data sheet without prior notification to users