



UJ310+ WHEELED UNIT PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

The UJ310+ is a primary crushing unit fully assembled on a single trailer frame and mounted on a quad axle bogie. Featuring the highly reliable and productive CJ411 jaw crusher it comes complete with a highly efficient pre-screen, feeder motors, starters, frequency drive and electrical control panel.

The UJ310+ wheel mounted jaw crusher incorporates a Sandvik jaw crusher with an impressively large feed opening for its size. Possessing an ideal nip angle for smooth material flow, high reduction efficiency and single-toggle operation with a deep crushing chamber, it has an easy setting adjustment for simple and efficient operation. Combined with its double deck vibrating pre-screen, this offers greater productivity and increased operator safety.

KEY BENEFITS

- The design and manufacture of all Sandvik jaw crushers meets the highest Quality Assurance standards having been manufactured in a factory which has been certified to ISO9001.
- The feeder has an adjustable grizzly section formed by fabricated wear resistant / Mn-Steel bars. The grizzly gap can be either 80, 100 or 120 mm. It has a wire cloth screening element beneath the grizzly, to remove the natural fines.
- The crusher by-pass chute collects material, which passes through the vibrating feeder's grizzly section.
 - Permits the removal of fine fractions to a separate fines stockpiling conveyor.
 - Allows the intermediate fraction to follow with the crusher product on the delivery conveyor.
- Safety guards are fitted to drives and around the crusher's flywheels.
- Easy and quick displacement between job sites.
- Compact design and easy access to all equipment.
- All the feed, discharge and connection chutes are robust constructions, made of steel plate with liner.
- A junction electrical box is wired on board.
- The UJ310+ plant is designed to produce up to 400 mtph / 440 stph of normal quarried stone at 125 mm / 4.9" CSS (Closed Side Setting).



| KEY SPECIFICATIONS | UJ310+ |
|---|---|
| Crusher | |
| Type | CJ411 |
| Feed opening | 1045 x 840 mm / 41" x 33" |
| Drive | Electric motor. 110 kW / 150 Hp, Squirrel cage type |
| Feed station | |
| Screen type | ST1263 ST1241+ ST1222 |
| Grizzly gap | 80, 100 or 120 mm / 3", 4" or 4 ¾" |
| Drive ST1241 | Electric motors 2 x 4.53 kW / 6 Hp |
| Drive ST1222 | Electric motors 2 x 4.53 kW / 6 Hp |
| Hopper volume | 16 m ³ / 565 ft ³ / 21 yd ³ |
| Power system | |
| All electrics are intended for connection to a mains supply | |
| Total power | 144.62 kW / 192 Hp |
| Supply voltage | 380 / 400 / 415 / 440 / 460 V / 3-phase AC |
| Control voltage | 120 / 230 V / 3-phase AC |
| Frequency | 50 Hz / 60 Hz |
| Running gear | 2" / 3 1/2" King Pin, quad-axle bogie with EBS / ABS brake system and running lights Tyres 315/80 – 22.5 – 18 PR Radial |

If powered by a genset at least 750 KVA is required.

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|---------------------------------------|--|
| Discharge conveyor | |
| Belt width | 1,000 mm / 40" |
| Length | 11,300 mm / 37' 1" |
| Drive | Electric motor 15.0 kW / 20 Hp |
| Approx discharge height under drum | 3,400 mm / 11' 2" |
| Transport dimensions | |
| Height | 4,055 mm / 13' 3 5/8" |
| Width | 3,150 mm / 10' 4" (*) |
| Width without hopper | 2,600 mm / 8' 6" |
| Length | 16,400 mm / 53' 10" |
| Weight | 59,000 kg / 130,073 lbs |
| | (*) with hopper side plates removed for transport |
| Operating dimensions | |
| Height | 5,900 mm / 19' 4" |
| Width | 3,930 mm / 12' 1" |
| Length | 19,220 mm / 63' |
| Performance | |
| Max feed size | 750 mm / 30" |
| Capacity (up to) | 400 mtph / 440 stph at CSS 125 mm / 4.9" |

Note. All weights and dimensions are for standard units only