**UD211 WHEELED UNIT**

**PIONEERING SOLUTIONS FOR YOU**

**TECHNICAL SPECIFICATION**

The UD211 is a complete crushing unit (primary and secondary crushing with screening) fully assembled on a single trailer frame.

The UD211 consists of:

- SW0843H Vibrating feeder
- CJ 409 Jaw crusher
- CH 420 Cone crusher
- SB 1542 Vibrating screen
- Scorpion looping belt conveyor 900 mm x 15 m

**KEY BENEFITS**

- An excellent feed to the screen is obtained by the patented Scorpion loop conveyor.
- It is possible to have two screen cloths with different separations at the bottom deck of the screen. Underneath the screen, there are two reversible conveyors allowing combining or separating fines.
- UD211 is designed to produce up to four different fractions.
- The feed hopper sides and end wall are foldable by mechanical means.
- The crusher by-pass chute collects material which passes through the vibrating feeder’s grizzly section.
- Six legs and a rear support stabilise the plant in its working position.
- A platform with handrails and stepladder is provided above the jaw crusher.
- Foldable platforms with handrails and access ladders are fitted for easy access and service.
- Liners for discharge chutes (rubber in the natural fines and undersize chutes, steel in the rest).
- Self-contained electrical switchgear cabinet on board for power distribution to all of the motors on board the unit. Frequency inverter for feeder speed control, with remote control box included to provide step less regulation of the feed rate and local control of the feeder speed.
- The free-standing control panel cabinet is placed on the ground during operation (transported on board the unit).
## Key Specifications

**Feed station**
- **Feeder type**: SW 0843H Vibrating feeder
- **Grizzly length**: 1.2 m / 4' 6"
- **Grizzly gap**: 70, 90 or 105 mm
  - 2.7", 3.5" or 4.1"
- **Drive**: 2 x 2.7 kW Vibratory motor
- **Hopper**: 12 m² / 424 ft²

**Crusher**
- **Primary**:
  - **Feed opening**: 895 x 660 mm / 35" x 26"
  - **Drive**: From electric motor, 75 kW, squirrel cage type
- **Secondary**:
  - **Drive**: CH420, From electric motor, 90 kW, squirrel cage type

**Product screen**
- **Screen type**: SB1542
- **Screen size**: 1500 mm x 3700 mm / 5' x 12.1'
- **No of decks**: Triple deck
- **Drive**: Electric motor 2 x 7.5 kW

**Loop conveyor**
- **Belt width**: 900 mm / 35"
- **Length**: 15 m / 49.2'
- **Drive**: 11.0 kW electrical motor

**Power system**
- All electrics are intended for connection to a main supply or a diesel generator set (not supplied)

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<tr>
<th><strong>Supply voltage</strong></th>
<th>440V / 50 Hz or 380V / 60Hz / 3-phase AC</th>
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<tr>
<td><strong>Control voltage</strong></td>
<td>220V/50 Hz or 110V / 60Hz / 1-phase AC</td>
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**Running gear**
- **2" King-Pin**: Leaf-spring triple-axle bogie with air-brakes and running lights
  - Tyres 10" x 20" – 16 ply

If powered by a genset at least 400 KVA is required.

**Operating dimensions**
- **Height**: 5.06 m / 16.7'
- **Width**: 3.95 m / 13'
- **Length**: 16.61 m / 54.7'

**Transport dimensions**
- **Height**: 4.00 m / 13.1'
- **Width**: 2.50 m / 8.2'
- **Length**: 16.53 m / 52.4'
- **Weight**: 49 ton / 54.9 ston

**Performance**
- **Max. feed size**
  - CJ409: 600 mm / 23.6"
  - CH420: 130 mm / 5.1"
- **Capacity (up to)**: 150 mtph

Note. All weights and dimensions are for standard units only.