

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	UD211
Feed station	
Feeder type	SW 0843H Vibrating feeder
Grizzly length	1.2 m / 4'
Grizzly gap	70, 90 or 105 mm 2.7", 3.5" or 4.1"
Drive	2 x 2.7 kW Vibratory motor
Hopper	12 m ³ / 424 ft ³
Crusher	
Primary	CJ409
Feed opening	895 x 660 mm / 35" x 26"
Drive	From electric motor, 75 kW, squirrel cage type
Secondary	CH420
Drive	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

KEY SPECIFICATIONS	UD211
Power system	
All electrics are intended for connection to a main supply or a diesel generator set (not supplied)	
Supply voltage	440V / 50 Hz or 380V / 60Hz / 3-phase AC
Control voltage	220V/50 Hz or 110V / 60Hz / 1-phase AC
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 mtpd

Note. All weights and dimensions are for standard units only