



UJ640 JAW CRUSHER PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

The UJ640 tracked jaw crusher mounts the highly productive Sandvik CJ615 jaw, on a full tracked chassis but with an electric crusher drive. The CJ615 crusher is a single toggle 1500 x 1100 mm (60 x 44") jaw crusher, which has been designed and manufactured with customer's real requirements in mind.

The UJ640 comes in 2 basic types:

- Comfort - Complete with feeder and grizzly, fitted screen deck underneath, by-pass chute and optional fines conveyor.
- Direct - Identical configuration to above, but feed arrangement consists of a 10 m³ fixed feed hopper. Should oversized rock enter, the hopper can be hydraulically tilted backwards.

KEY BENEFITS

- For clean, trouble free operation, the discharge conveyor comes complete with belt scale, steering rolls and impact bars situated under the crusher.
- Feed is adjusted in the crusher depending on

material level through a level monitoring system. (Available with the Comfort version only).

- Main power is 400V AC, Control voltage is 230V AC and 24V DC.
- Easily adapted for connection to mains electrical supply.
- A number of sensors are situated at strategic locations to ensure a trouble free operation, and prevent against costly breakdowns.
- In order to protect the main conveyor a material bed is situated directly under the crusher.
- Platforms around crusher, screen and generator, provide excellent access for service and maintenance.
- Floodlights are fitted for night time and conditions of poor visibility.
- The entire machine may be manoeuvred by radio remote control and / or umbilical cord.
- For flexible operation between sites and to meet transport regulations the UJ640 is transported in parts. These are easily separated with the aid of the four hydraulic legs with reassembly time being minimised through this "kit" construction.



KEY SPECIFICATIONS	UJ640 COMFORT	UJ640 DIRECT
Crusher		
Type	Sandvik jaw crusher CJ615	Sandvik jaw crusher CJ615
Feed opening	1500x1100mm	1500x1100mm
Drive	From electric motor. 200 kW, 6 pole,50 Hz, slip-ring type	From electric motor. 200 kW, 6 pole,50 Hz, slip-ring type
Feed station		
Feeder	SW1453	-
Grizzly	2x1200mm / 2x47.2"	-
Hopper volume	14m ³ / 425 cu'	10m ³ / 353 cu'
Discharge conveyor		
Belt width	1600mm / 63"	1600mm / 63"
Length	15,2m / 50'8"	15,2m / 50'8"
Drive	2x18.5 kW electrical motors	2x18.5 kW electrical motors
Approx. discharge height under drum	4.1-4.5m / 14-15' (adjustable)	4.1-4.5m / 14-15' (adjustable)
On-board power pack		
Diesel engine	CAT C15 - 455 kVA	CAT C15 - 455 kVA
Generator	Stamford	Stamford
Fuel tank volume	2400 dm ³ / 635 US gallons	2400 dm ³ / 635 US gallons
Main voltage	400 V/50 Hz/3-phase a.c.	400 V/50 Hz/3-phase a.c.
Control voltage	230 V/50 HZ/1-phase a.c.	230 V/50 HZ/1-phase a.c.
Hydraulic system		
System	Hydraulics for crawlers and support legs	Hydraulics for crawlers and support legs
Crawler tracks		
Type	CAT 350 HD	CAT 350 HD
Track shoe width	600mm / 24"	600mm / 24"
Hydraulic pumps driven by	1 x 110kW electric motor	1 x 110kW electric motor
Operation		
Height	6.58m / 21.59'	5.70m / 18.70'
Width	4.80m / 15.75'	4.80m / 15.75'
Length	20.5m / 68.8'	18.0m / 59.1'
Transport (in 2 parts)		
Part no.1 height	3.9m / 12.8'	3.9m / 12.8'
Part no.1 width	3.8m / 12.18'	3.7m / 12.14'
Part no.1 length	10.6m / 34.78'	6.4m / 20'
Part no.1 weight	68.5mton/ 75ston	68mton/ 75ston
Part no.2 height	4.1m / 13.45'	4.1m / 13.45'
Part no.2 width	4.0m / 12.98'	3.95m / 12.96'
Part no.2 length	15.5m / 50.85'	14.6m / 47.9'
Part no.2 weight	62mton/ 68ston	56mton/ 62ston
Performance		
Max.feed size	975mm / 38.4"	975mm / 38.4"
Capacity (up to)	1100mtph / 1210stph	1100mtph / 1210stph
Travelling speed	17m/min (50 Hz) 20m/min (60 Hz)	17m/min (50 Hz) 20m/min (60 Hz)
Max.slope-climbing capability	Approx. 20°	Approx. 20°

Note. All weights and dimensions are for standard units only

OPTIONS (COMFORT)

Overband magnet
 Belt scale on discharge conveyor
 Level indicator for stock pile at discharge end
 Level indicator for stockpile discharge conveyor
 Dust filter
 Oil bath cleaner for filter
 NF conveyor incl. support
 Belt scale for NF conveyor
 Water spray system (spray nozzles both on crusher and discharge conveyor) 2008
 Floodlights on crawlers
 Diesel driven heater for engine
 Extra lifting arrangement for shipping
 Removable side wall extension feed hopper
 Preparation for connection to main supply
 Automatic lubrication system
 Hydraulic hammer set

OPTIONS (DIRECT)

Overband magnet
 Belt scale on discharge conveyor
 Level indicator for stock pile at discharge end
 Level indicator for stockpile discharge conveyor
 Dust filter
 Oil bath cleaner for filter
 Water spray system (spray nozzles both on crusher and discharge conveyor)
 Floodlights on crawlers
 Diesel driven heater for engine
 Extra lifting arrangement for shipping
 Preparation for connection to main supply
 Automatic lubrication system