



# 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 m<sup>3</sup> 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                                              |
|-------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| <b>Crusher</b>                      |                                                           |                                                           |
| 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 |
| <b>Feed station</b>                 |                                                           |                                                           |
| Feeder                              | SW1453                                                    | -                                                         |
| Grizzly                             | 2x1200mm / 2x47.2"                                        | -                                                         |
| Hopper volume                       | 14m <sup>3</sup> / 425 cu'                                | 10m <sup>3</sup> / 353 cu'                                |
| <b>Discharge conveyor</b>           |                                                           |                                                           |
| 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)                            |
| <b>On-board power pack</b>          |                                                           |                                                           |
| Diesel engine                       | CAT C15 - 455 kVA                                         | CAT C15 - 455 kVA                                         |
| Generator                           | Stamford                                                  | Stamford                                                  |
| Fuel tank volume                    | 2400 dm <sup>3</sup> / 635 US gallons                     | 2400 dm <sup>3</sup> / 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.                                  |
| <b>Hydraulic system</b>             |                                                           |                                                           |
| System                              | Hydraulics for crawlers and support legs                  | Hydraulics for crawlers and support legs                  |
| <b>Crawler tracks</b>               |                                                           |                                                           |
| 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                                  |
| <b>Operation</b>                    |                                                           |                                                           |
| 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'                                             |
| <b>Transport (in 2 parts)</b>       |                                                           |                                                           |
| 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                                            |
| <b>Performance</b>                  |                                                           |                                                           |
| 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