



# SANDVIK UJ640E MOBILE JAW CRUSHER

## TECHNICAL SPECIFICATION

The UJ640E is a heavy duty, electrically powered jaw crusher designed for high productivity and low energy consumption. Featuring the CJ615 crusher with large intake and an automated process control system, this machine offers high performance with minimal downtime and has proven itself in the toughest of applications and in all climatic conditions.

### KEY BENEFITS

Reliability	<ul style="list-style-type: none"><li>- Built for hard and abrasive rock</li><li>- Market leading Sandvik CJ615 jaw for strength and high performance</li><li>- Wear lined impact zones</li><li>- All onboard components are electrically driven giving reliability and minimal maintenance</li><li>- Premium quality components for durability</li></ul>
Productivity	<ul style="list-style-type: none"><li>- Large intake opening of 1500 x 1070 mm / 59" x 42" for highest rates of production in its class</li><li>- Level sensors and step less regulation of feeder for optimized production</li><li>- Discharge conveyor width of 1600mm / 63" and adjustable discharge height 3,7-4,8m / 12'-16' to enable massive stockpiling capacity</li><li>- A number of sensors at different key locations to ensure a trouble free operation and prevent costly breakdowns</li><li>- Choice of jaw plates and settings for a wide range of applications</li><li>- Transported in two separate sections, individually self-supported for easy assembly on site, resulting in more uptime and higher productivity</li><li>- The unit can work as stand alone or interlocked in a "process train" with other crushing and screening units</li><li>- Dual on board interlocking via PLC for optimal performance and operating efficiency, relay as backup</li></ul>
Cost of ownership	<ul style="list-style-type: none"><li>- Low cost per tonne due to operation through onboard diesel generator or connection to electrical mains supply</li><li>- Quick return on investment and high resale value</li></ul>
Safety	<ul style="list-style-type: none"><li>- User-friendly control system via PLC from one location and radio remote control as standard.</li><li>- Dust suppression spray bars and dust sealed conveyor minimize dust, improving operator and onsite safety</li><li>- Minimal maintenance with safe and easy access</li><li>- Low emissions due to electrical operation, minimizing environmental impact</li><li>- Generator set and fuel tank can be located at ground level for easier service</li><li>- LED Floodlights for safe operation 24 hours a day</li></ul>
Support	<ul style="list-style-type: none"><li>- Extensive global distributor network</li><li>- Operational advice through our process knowledge and expertise</li></ul>





KEY SPECIFICATIONS	UJ640E
<b>Hopper</b>	
Width	3750 mm / 12' 3"
Length	6270 mm / 20' 6"
Capacity	14 m <sup>3</sup> / 18.31 yds <sup>3</sup>
Rear loading height	6500 mm / 21' 3"
<b>Feeder</b>	
Type	Sandvik SW1453
Width	1400 mm / 55"
Length	5200 mm / 17'
Grizzly length	2 x 1200 mm / 2 x 4'
<b>Crusher</b>	
Type	Sandvik CJ615 jaw
Feed opening	1500 x 1070 mm / 59" x 42"
CSS range	125 - 300 mm / 5 - 11 3/4" *
Drive	Electric motor 200 kW / 300 hp 6 pole, 50 Hz, slip-ring type
<b>Discharge conveyor</b>	
Belt width	1600 mm / 63"
Length	15.2 m / 49' 9"
Discharge height under drum	4100 - 4500 mm / 14 - 15' (adjustable)
<b>Natural fines conveyor</b>	
Width	800 mm / 31.5"
Length	8000 mm / 26.2'
Discharge height under drum (approx)	4400 mm / 14.4'
<b>Power pack</b>	
Type	Volvo D13
Stage / Tier	Stage 5 / T4F / T3
Generator	Stamford 450 kVA
Fuel tank volume	3000 litres / 635 USG
Main Voltage	400 V/50 Hz/3 - phase a.c.
Control voltage	230 V/50 HZ/1 - phase a.c.

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<b>Tracks</b>	
Length (centres)	4490 mm / 14' 8"
Width (shoe)	600 mm / 24"
Drive	Hydraulic
Control	Umbilical / radio remote
<b>Transport dimensions part 1</b>	
Height	3.8 m / 12' 5"
Width	4.0 m / 13'
Length	16.4 m / 54'
Weight	59,500 kg / 131,175 lbs
<b>Transport dimensions part 2</b>	
Height	3.3 m / 11'
Width	3.9 m / 13'
Length	8.7 m / 28' 6"
Weight	67,500kg / 148,811 lbs
<b>Operating dimensions</b>	
Height	7.3 m / 24'
Width	10 m / 33'
Length	21.7 m / 71'
Weight	137,500 kg / 303,135 lbs
<b>Performance</b>	
Max feed size	975 mm / 38.4"
Capacity (up to)	1000 mtph / 1100 stph *
Travelling speed	1.2 km / h / 0.75 mph
Max Incline / side to side	20° / 10°

Note. All weights and dimensions are for standard units only

## STANDARD SPECIFICATION

Crusher level sensor  
 Radio remote control with umbilical cord as back-up  
 Frequency inverter for the crusher  
 Automatic lubrication for the jaw  
 Dust suppression spray system on crusher and discharge conveyor  
 Electrical power outlet 125A  
 Natural fines conveyor with support  
 Maintenance platforms for service and maintenance  
 Self-adjusting stabilizing support legs  
 PLC control system (Relays as backup)  
 Standard main voltage 400V AC 50Hz  
 Control voltage is 230V AC and 24V DC  
 Electric refuelling pump  
 Light masts, warning beacons, panel light and tracking lights  
 Tool kit  
 Diesel engine pre-heater  
 Rubber lined vibrating grizzly feeder  
 Heavy duty conveyor with dust covers

For option availability please speak with your local Sandvik representative

\* Application specific. Please contact a Sandvik representative for clarification on specifications and options  
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