



# SANDVIK UJ440E MOBILE JAW CRUSHER

## TECHNICAL SPECIFICATION

The UJ440E is a heavy duty, electrically powered jaw crusher designed for high productivity and low energy consumption. Featuring the CJ412 crusher 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>- Proven technology combined with Sandvik CJ412 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 1200 x 830 mm / 47" x 33" for highest rates of production in its class</li><li>- Hydraulically adjustable jaw setting to maximize your output</li><li>- Level sensors and step less regulation of feeder for optimized production</li><li>- Discharge conveyor width of 1400 mm / 56" and adjustable discharge height 3.8 m – 4.7 m / 12.5'- 15.4' 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	UJ440E
<b>Hopper</b>	
Width	3000 mm / 9' 10"
Length	5000 mm / 16' 5"
Capacity	8m <sup>3</sup> / 10.46 yds <sup>3</sup>
Rear loading height	4800 mm / 15' 7"
<b>Feeder</b>	
Type	Sandvik JF1250
Width	1200 mm / 47"
Length	4850 mm / 15' 11"
Grizzly length	1200 mm x 2 / 4' x 2
<b>Crusher</b>	
Type	Sandvik CJ412 jaw
Feed opening	1200 x 830 mm / 47" x 33"
CSS range	100 - 275 mm / 4" - 11" *
Adjustment type	Hydraulic wedge
Drive	Electric motor 160 kW, 50 Hz squirrel cage type
<b>Main conveyor</b>	
Belt width	1400 mm / 56"
Belt length	16 m / 52' 5"
Discharge height under drum (approx)	4500 mm / 14' 8"
<b>Natural fines conveyor</b>	
Width	650 mm / 25.6"
Length	8000 mm / 26.2'
Discharge height	3300 mm / 18'

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<b>Power pack</b>	
Type	Volvo D13
Stage / Tier	Stage 5 / T4F / T3
Generator	Stamford 450 kVA
Diesel tank capacity	3000 litres / 635 USG
Main voltage	400 V/50 Hz / 3-phase a.c.
Control voltage	230 V/50 HZ / 1-phase a.c.
<b>Tracks</b>	
Length (centres)	4250 mm / 16.7"
Width (shoe)	500 mm / 20"
Drive	Hydraulic
Control	Radio / Umbilical
<b>Transport dimensions part 1</b>	
Height	3.9 m / 12' 9"
Width	3.5 m / 11' 5"
Length	16.3 m / 53' 5"
Weight	63,000 kg / 138,890 lbs
<b>Transport dimensions part 2</b>	
Height	2.9 m / 9' 5"
Width	3.1 m / 10'
Length	5.7 m / 18' 7"
Weight	14,600 kg / 32,190 lbs
<b>Operating dimensions</b>	
Height	6.1 m / 20'
Width	8.7m / 28' 5"
Length	21 m / 69'
Weight	79,000 kg / 174,165 lbs
<b>Performance</b>	
Max feed size	760 mm / 30"
Capacity (up to)	650 mtp/h / 715 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  
 Automatic lubrication for the jaw  
 Frequency inverter for the crusher  
 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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