



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"> - Built for hard and abrasive rock - Proven technology combined with Sandvik CJ412 jaw for strength and high performance - Wear lined impact zones - All onboard components are electrically driven giving reliability and minimal maintenance - Premium quality components for durability
Productivity	<ul style="list-style-type: none"> - Large intake opening of 1200 x 830 mm / 47" x 33" for highest rates of production in its class - Hydraulically adjustable jaw setting to maximize your output - Level sensors and step less regulation of feeder for optimized production - 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 - A number of sensors at different key locations to ensure a trouble free operation and prevent costly breakdowns - Choice of jaw plates and settings for a wide range of applications - Transported in two separate sections, individually self-supported for easy assembly on site, resulting in more uptime and higher productivity - The unit can work as stand alone or interlocked in a "process train" with other crushing and screening units - Dual on board interlocking via PLC for optimal performance and operating efficiency, relay as backup
Cost of ownership	<ul style="list-style-type: none"> - Latest generation fuel efficient engines provide maximum performance and cost efficiency - Low cost per tonne via electric final drives and onboard diesel generator or electric plug-in option - Quick return on investment and high resale value
Safety	<ul style="list-style-type: none"> - User-friendly control system via PLC from one location and radio remote control as standard - Minimal maintenance with safe and easy access - Generator set and fuel tank can be located at ground level for easier service - LED Floodlights for safe operation 24 hours a day
Sustainability	<ul style="list-style-type: none"> - Lower environmental impact due to latest emissions compliant engines, reduced fuel consumption and less operating noise - Electric plug-in option allows you choose your preferred energy source, diesel mode or electric mode to lower your operation costs and reduce environmental impact - Dust suppression system minimizes dust emissions reducing environmental impact - Rubber lined impact zones reduce operating noise and need for maintenance - Quality components ensure longer lifetime and support optimized service and maintenance





KEY SPECIFICATIONS	UJ440E
Hopper	
Width	3000 mm / 9' 10"
Length	5000 mm / 16' 5"
Capacity	8m ³ / 10.46 yds ³
Rear loading height	4800 mm / 15' 7"
Feeder	
Type	Sandvik JF1250
Width	1200 mm / 47"
Length	4850 mm / 15' 11"
Grizzly length	1200 mm x 2 / 4' x 2
Crusher	
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
Main conveyor	
Belt width	1400 mm / 56"
Belt length	16 m / 52' 5"
Discharge height under drum (approx)	4500 mm / 14' 8"
Natural fines conveyor	
Width	650 mm / 25.6"
Length	8000 mm / 26.2'
Discharge height	3300 mm / 18'

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Power pack	
Type	Volvo D13 / Volvo D16 / Volvo D13 alt. CAT C13
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.
Tracks	
Length (centres)	4250 mm / 16.7"
Width (shoe)	500 mm / 20"
Drive	Hydraulic
Control	Radio / Umbilical
Transport dimensions part 1 **	
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
Transport dimensions part 2 **	
Height	2.9 m / 9' 5"
Width	3.1 m / 10'
Length	5.7 m / 18' 7"
Weight	14,600 kg / 32,190 lbs
Operating dimensions	
Height	6.1 m / 20'
Width	8.7m / 28' 5"
Length	21 m / 69'
Weight	79,000 kg / 174,165 lbs
Performance	
Max feed size	750 mm / 29.5"
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
 Rubber lined vibrating grizzly feeder
 Heavy duty conveyor with dust covers
 Preparation for connection to mains supply
 Diesel refilling from ground level incl. electric pump

For option availability please speak with your local Sandvik representative

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

** Check with your Sandvik representative for correct dimensions and valid transport drawing. Extra transport for loose parts might be needed. Sandvik reserves the right to make changes to the information on this data sheet without prior notification to users