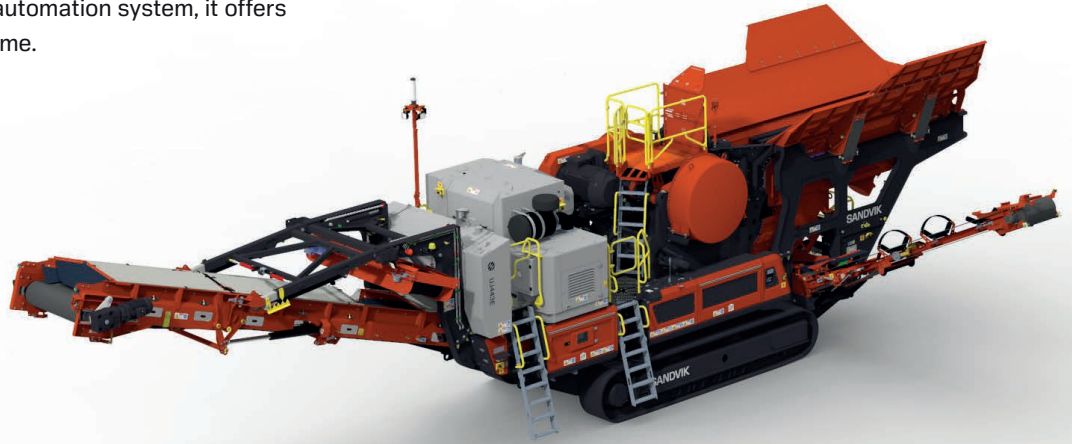


Sandvik UJ443E

Mobile jaw crusher

The UJ443E is Sandvik's new generation of large heavy tracked jaw crushers, electrically powered for a more sustainable future. Built for the toughest applications, this unit has been designed with sustainability, productivity and connectivity in mind. Featuring the CJ412 crusher and Sandvik's Optik™ automation system, it offers high performance with minimal downtime.



Key benefits

Reliability

- Designed for hard and abrasive rock
- All onboard components are electrically driven providing reliability and requiring minimal maintenance
- Industry proven Sandvik CJ412 jaw for strength and high performance
- Sensors at key locations to ensure trouble free operation and prevent costly breakdowns
- Premium quality components and rubber lined impact zones for durability, minimizing the need for service and maintenance

Productivity

- Large intake opening of 1200 x 830 mm / 47" x 33" for the highest rates of production in its class
- Hydraulically adjustable jaw setting to maximize your output
- Choice of jaw plates and settings for a wide range of applications
- Level sensors and step less regulation of feeder for optimized production
- 1400 mm / 55" discharge conveyor and adjustable discharge height to 4.7 m / 15' 5" enabling massive stockpiling capacity
- Transportable in one piece or with jaw package removed
- Connected to My Fleet with complementary 7 year data subscription for remote operator support

Cost of ownership

- Lower cost per ton by choosing your preferred energy source
- Operating via electricity will reduce servicing requirements
- Quick return on investment and high resale value

Safety

- User-friendly automation system via PLC from one location and wireless handset control as standard
- Minimal maintenance with safe and easy access
- LED lighting for low ambient conditions

Support

- Extensive global distributor and sales support network
- Operational advice through our process knowledge and expertise

Sustainability

- Choose your preferred energy source - connect to a 3rd party external electricity supply or via the onboard genset using HVO or diesel
- All components are electrically driven, improving energy efficiency and reducing the need for hydraulic oil on board
- Operating whilst connected to an external electric source can lower running costs, extend drive train service intervals and reduce emissions and noise levels
- High pressure dust suppression system reduces water consumption and improves overall environmental impact
- Lower environmental impact due to reduced fuel consumption, less operating noise and low emissions

Key specifications	UJ443E
Hopper	
Width	2900 mm / 9' 6" (3700 mm / 12' 2") **
Length	4900 mm / 16'
Capacity	8.3 m ³ / 10.9 yrd ³ (12.3 m ³ / 16.1 yrd ³) **
Rear loading height	3800 mm / 12' 6"
Feeder VGF + US	
Type	SW1254H
Width	1200 mm / 47"
Length	5000 mm / 16' 5"
Grizzly length	2000 mm / 78" (stepped)
Drive	Electric
Underscreen	Sandvik SS1012C
Number of decks	2
Width	1020 mm / 40"
Length	1200 mm / 47"
Drive	Electric
Feeder VGF	
Type	SW1255H
Width	1200 mm / 47"
Length	5000 mm / 16' 5"
Grizzly length	2350 mm / 92" (stepped)
Length under screen mesh	1200 mm / 47"
Drive	Electric
Crusher	
Type	Sandvik CJ412 jaw
Feed opening	1200 x 830 mm / 47" x 33"
CSS range	75 mm - 200 mm / 3" - 8" *
Adjustment type	Hydraulic wedge
Drive	Electric motor 160 kW, 200 Hp
Main conveyor	
Belt width	1400 mm / 55"
Discharge height	3.10 m - 4.70 m / 10' 2" - 15' 5"
Drive	Electric
Natural fines conveyor	
Width	650 mm / 26"
Discharge height	3.57 m / 11' 9"
Drive	Electric

Standard specification

- Crusher level sensor
- Crusher unblock system
- Radio remote control with umbilical cord as back-up
- Automatic lubrication for the jaw
- High pressure dust suppression
- Electrical power outlet 125A
- Foldable natural fines conveyor with support
- Maintenance platforms for service and maintenance
- Sandvik OptiK™ PLC control system
- My Fleet telematics with 7 year data subscription
- Standard main voltage 400 V AC 50 Hz

Key specifications	UJ443E
Power pack	
Type	Volvo D13
Stage / Tier	Stage 5 / US T4F
Alternator	Mecc Alte 370 kVA
Electric standard	400 V / 230 V 24 V 50 Hz
Hydraulics and tanks	
Fuel tank volume	1150 litres / 304 USG
Hydraulic tank volume	60 litres / 16 USG
Tracks	
Length (centres)	4.20 m / 13' 9"
Width (shoe)	500 mm / 20"
Drive	Electric
Control	Radio / Umbilical
Transport dimensions (Base unit)	
Height	3.9 m / 12' 10"
Width	3.0 m / 9' 10"
Length (excl. NF conveyor)	16.8 m / 55' 1"
Length (incl. NF conveyor)	17.2 m / 56' 6"
Weight VGF and VGF+US (excl. NF conveyor)	69,500 kg / 153,221 lbs
Weight VGF and VGF+US (incl. NF conveyor)	71,000 kg / 156,528 lbs
Transport (Base unit crusher separated)	
Weight (excl. NF conveyor)	38,645 kg / 85,197 lbs
Weight (incl. NF conveyor)	40,145 kg / 88,504 lbs
Weight	30,855 kg / 68,023 lbs
Operating dimensions (Base unit)	
Height	5.6 m / 18' 5"
Width (excl. NF conveyor)	3.8m / 12' 5"
Width (incl. NF conveyor)	7.9m / 25' 10"
Length	19.1 m - 19.3 m / 62' 8" - 63' 4"
Weight (excl. NF conveyor)	69,500kg / 153,221 lbs
Weight (incl NF conveyor)	71,000 kg / 156,528 lbs
Performance	
Max feed size	750 mm / 29.5"
Capacity	Contact your local sales expert
Travelling speed	up to 1.5 km/h / 0.93 mph
Max Incline / side to side	20° / 10°

Note. All weights and dimensions are for standard units only

- Control voltage is 230 V AC and 24 V DC
- Electric refuelling pump
- Light mast c/w 24V LED lights and status indicator pole, warning beacons, LED panel and tracking light
- Tool kit
- Diesel engine pre-heater
- Rubber lined vibrating grizzly feeder
- Heavy duty conveyor with dust covers
- Prepared for connection to electrical mains
- Diesel refilling from ground level including 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 Sandvik reserves the right to make changes to the information on this data sheet without prior notification to users

** Optional.