

Sandvik UJ440i

Tracked heavy jaw crusher

The UJ440i is a high quality, tracked mobile jaw crusher that is robust and built to last. This heavy duty workhorse has proved itself worldwide in the toughest of applications and in all climatic conditions. Featuring the CJ412 crusher and an automated onboard “intelligence” system, this results in optimal performance, less downtime and high productivity.



Key benefits

Reliability

- Built for hard and abrasive rock
- Proven technology combined with Sandvik CJ412 jaw for strength and high performance
- Rubber lined feed hopper for longevity, as well as protection from wear and noise
- Premium quality components for durability

Productivity

- 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
- Onboard intelligence system for optimal performance and operating efficiency
- 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
- Quick to set-up and easy to transport, 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
- Connected to My Fleet now with 7 year data subscription for remote operator support

Cost of ownership

- Latest generation fuel efficient engines provide maximum performance and cost efficiency
- Direct drive, heavy duty fluid coupling and low rpm engine for fuel-efficient operation
- Quick return on investment and high resale value

Safety

- User-friendly control system via PLC from one location and radio remote control as standard
- Minimal maintenance with safe and easy access
- LED Floodlights for safe operation 24 hours a day

Sustainability

- Latest emissions compliant engines for reduced emissions and reduced fuel consumption due to low operating rpm, direct drive and “intelligent” hydraulics
- Hydraulic fluid spillage during maintenance minimized, thanks to vacuum pump. All fluids piped to one centrally located drainage point, better for the environment
- 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

Technical specification

Key specifications	UJ440i (VGF)	UJ440i (VGF + US)
Hopper		
Type	Hyd folding - side	Hyd folding - side
Width	3130 mm / 10' 3 1/4"	3130 mm / 10' 3 1/4"
Length	5100 mm / 16' 9"	5100 mm / 16' 9"
Capacity	6 m ³ / 7.85 yds ³	6 m ³ / 7.85 yds ³
Rear loading height	3850 mm / 12' 7"	3850 mm / 12' 7"
Feeder		
Type	SW1253H vibrating grizzly feeder (VGF). Hyd var speed	SW1253H vibrating grizzly feeder (VGF). Hyd var speed
Width	1200 mm / 48"	1200 mm / 48"
Total length	4850 mm / 15' 11"	4850 mm / 15' 11"
Grizzly length	1550 mm / 61"	1550 mm / 61"
Pre screen		
Type	-	SS1012 - under feeder screen (UF)
Decks	-	2 deck
Width	-	1020 mm / 40"
Length	-	1110 mm / 43' 5"
Crusher		
Type	Sandvik CJ412 jaw	Sandvik CJ412 jaw
Feed opening	1200 x 830 mm / 47" x 33"	1200 x 830 mm / 47" x 33"
Adjustment type	Hyd wedge	Hyd wedge
CSS range	100 - 275 mm / 4" - 11" *	100 - 275 mm / 4" - 11" *
Drive	Direct drive via fluid coupling	Direct drive via fluid coupling
Main conveyor		
Width	1400 mm / 55"	1400 mm / 55"
Discharge height	4045 mm / 13' 3"	4045 mm / 13' 3"
Natural fines conveyor		
Width	500 mm / 20"	500 mm / 20"
Length	8000 mm / 26' 3"	8000 mm / 26' 3"
Discharge height	3200 mm / 10' 6"	3200 mm / 10' 6"
Power pack		
Type	Volvo D13	Volvo D13
Stage / Tier	Stage 5 / T4F / T2 CAT T3 (optional)	Stage 5 / T4F / T2 CAT T3 (optional)
Engine power	315 kW / 422 hp	315 kW / 422 hp
Diesel tank capacity	1125 litres / 297 USG	1125 litres / 297 USG
Hyd tank capacity	415 litres / 110 USG	415 litres / 110 USG
Tracks		
Length (centres)	4170 mm / 13' 8"	4170 mm / 13' 8"
Width (shoe)	500 mm / 20"	500 mm / 20"
Drive	Hydraulic	Hydraulic
Control	Radio / Umbilical	Radio / Umbilical
Transport dimensions		
Length	16.60 m / 54' 5"	16.60 m / 54' 5"
Width	3.0 m / 9' 10"	3.0 m / 9' 10"
Height	3.90 m / 12' 9"	3.90 m / 12' 9"
Standard weight	62,500 kg / 137,790 lbs **	63,000 kg / 138,890 lbs **
Operating dimensions		
Length	16.40 m / 53' 10"	16.40 m / 53' 10"
Width	3.20 m / 10' 3"	3.20 m / 10' 3"
Height	4.30 m / 14'	4.30 m / 14'
Performance		
Max feed size	750 mm / 29.5"	750 mm / 29.5"
Capacity (up to)	700 mtph / 770 stph *	700 mtph / 770 stph *
Travel speed	1.2 km/h / 0.75 mph	1.2 km/h / 0.75 mph
Max incline / side to side	20° / 10°	20° / 10°

Note.
All weights and dimensions are for standard units only

Standard specification

- Hydraulically folding heavy duty hopper
- Rubber lined vibrating grizzly feeder
- Heavy duty lined dirt chute
- Heavy duty main conveyor with dust covers
- Dual level sensors on crushing chamber
- 24v canbus PLC control system
- Gear driven axial piston pumps and motors
- Electric refuelling pump

- Light mast, warning beacons, panel light and tracking lights
- Radio remote control with umbilical cord as backup
- Vacuum pump for maintenance
- Walkways and ladders
- Tool kit
- My Fleet telematics with 7 year data subscription

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

** Can be separated for transport

Sandvik reserves the right to make changes to the information on this data sheet without prior notification to users