



# SANDVIK UJ440i MOBILE JAW CRUSHER

## TECHNICAL SPECIFICATION

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	<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>- Rubber lined feed hopper for longevity, as well as protection from wear and noise</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>- Onboard intelligence system for optimal performance and operating efficiency</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>- Quick to set-up and easy to transport, 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 &amp; screening units</li><li>- Hanging screen available for open and closed circuit</li></ul>
Cost of ownership	<ul style="list-style-type: none"><li>- Direct drive, heavy duty fluid coupling and low rpm engine for fuel-efficient operation</li><li>- Quick return on investment and high resale value</li><li>- Jaw plates can be rotated and interchanged to maximize wear life</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>- No oil spillage during filter changes due to vacuumized hydraulic system</li><li>- LED Floodlights for safe operation 24 hours a day</li></ul>
Support	<ul style="list-style-type: none"><li>- Connected to Sandvik My Fleet with 7 year data subscription. Benefits include 24/7 fleet management, geo-fencing and remote operator support</li><li>- Extensive global distributor network</li><li>- Operational advice through our process knowledge and expertise</li></ul>





KEY SPECIFICATIONS	UJ440i (VGF)	UJ440i (VGF + US)
<b>Hopper</b>		
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 <sup>3</sup> / 7.85 yds <sup>3</sup>	6 m <sup>3</sup> / 7.85 yds <sup>3</sup>
Rear loading height	3850 mm / 12' 7"	3850 mm / 12' 7"
<b>Feeder</b>		
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"
<b>Pre screen</b>		
Type	-	SS1012 - under feeder screen (US)
Decks	-	2 deck
Width	-	1020 mm / 40"
Length	-	1110 mm / 43' 5"
<b>Crusher</b>		
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
<b>Main conveyor</b>		
Width	1400 mm / 55"	1400 mm / 55"
Discharge height	4045 mm / 13' 3"	4045 mm / 13' 3"
<b>Natural fines conveyor</b>		
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"
<b>Power pack</b>		
Type	Volvo D13	Volvo D13
Stage / Tier	Stage 5 / T4F / T3	Stage 5 / T4F / T3
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
<b>Tracks</b>		
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
<b>Transport dimensions</b>		
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"
Weight	62,500 kg / 137,790 lbs **	63,000 kg / 138,890 lbs **
<b>Operating dimensions</b>		
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'
<b>Performance</b>		
Max feed size	760 mm / 30"	760 mm / 30"
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 back-up  
 Vacuum pump for maintenance  
 Walkways and ladders  
 Tool Kit  
 My Fleet telematics

For option availability please speak with your local Sandvik representative \*\* Can be separated for transport

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