



# UJ440i JAW CRUSHER PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

The UJ440i is a heavy-duty jaw crusher built using the latest technology which has proven capable of operating in the toughest climatic conditions. Featuring the market leading Sandvik CJ412 jaw with a feed opening of 1200 x 830 mm / 47 1/4" x 32 3/4" it has a hydraulically adjustable CSS setting with wedges and a choice of jaw plates making it suitable for a wide range of different applications. Trouble free and optimal production is ensured by an onboard high level Intelligence system as standard.

The UJ440i comes in 2 basic types:

- Classic: Feeder with grizzly, by-pass chute, natural fines screen and optional natural fines conveyor.
- Trend: Separate feeder, separate screen with stepped grizzly on top.

## KEY BENEFITS

- Rubber lined impact zones to reduce wear and noise.
- Step less speed regulation of the feeder.
- The discharge conveyors are fitted with belt scales, steering rolls, and impact bars under the crusher. Dimensions are: width 1400 mm / 52", discharge height 3.3 – 3.8 m / 10' 10" – 12' 5".
- Platforms are located around the crusher and powerpack to provide easy access for service and maintenance.
- Radio remote control fitted as standard.
- Sensors are situated at strategic locations to ensure trouble free operation and safe guard against costly breakdowns.
- The unit is easily transported in one piece with all components remaining on board.
- Emergency stop buttons are located throughout the machine.
- Optional Natural Fines conveyor: dimensions are width - 500 mm / 20", discharge height - 3 m / 9' 10"
- No oil spillage during filter changes due to vacuumised hydraulic system and dust suppression systems.



KEY SPECIFICATIONS	UJ440i CLASSIC	UJ440i TREND
<b>Hopper</b>		
Type	Hyd Folding - side and rear	Manual Folding - side and rear
Width	3130 mm / 10' 3 1/4"	3678 mm / 12' 1"
Length	5105 mm / 16' 9"	5574 mm / 18' 3 1/2"
Level capacity	6 m <sup>3</sup> / 7.85 yds <sup>3</sup>	10 m <sup>3</sup> / 13.1 yds <sup>3</sup>
Rear loading height	3825 mm / 12' 7"	4657 mm / 15' 3"
<b>Feeder</b>		
Type	SW1252H - Hyd var speed grizzly feeder	ST1241 - Hyd var speed pan feeder
Width	1200 mm / 47 1/4"	1080mm / 42 1/2"
Total length	4850 mm / 15' 11"	3500mm / 11' 5 3/4"
Grizzly length	1550 mm / 61"	-
Standard aperture	90 mm max / 3 1/2"	-
<b>Pre screen</b>		
Type	SS1012 (under feeder screen)	ST1222 - Live pre screen
Number of decks	2	2
Top deck	Screen media	Stepped grizzly section
Bottom deck	Screen media	Screen media
Width	1020 mm / 40 1/4"	1150 mm / 45 1/4"
Length	1110 mm / 43 1/2"	2070 mm / 6' 9 1/2"
Standard top deck aperture	Mesh sizes optional	105 mm / 4"
<b>Crusher</b>		
Type	Single Toggle - CJ412	Single Toggle - CJ412
Feed opening	1200 x 830 mm / 47 1/4" x 32 3/4"	1200 x 830 mm / 47 1/4" x 32 3/4"
Speed	240 rpm	240 rpm
Adjustment type	Hyd wedge	Hyd wedge
Drive	Direct via V Belts	Direct via V Belts
CSS range	100 - 275 mm / 4" - 11"	100 - 275 mm / 4" - 11"
<b>Main conveyor</b>		
Width	1400 mm / 4' 7"	1400 mm / 4' 7"
Length	23,550 mm / 77' 3"	23,550 mm / 77' 3"
Discharge height	4045 mm / 13' 3"	4045 mm / 13' 3"
Raise / lower	Yes - manually	Yes - manually
Drive	Hyd motor	Hyd motor
Motor cc	750 cc / 45.7 cu inch	750 cc / 45.7 cu inch
<b>Tracks</b>		
Length (centres)	4170 mm / 13' 8"	4170 mm / 13' 8"
Width (shoe)	500 mm / 19 3/4"	500 mm / 19 3/4"
Drive	Hyd / Gearbox	Hyd / Gearbox
Control	Umbilical (Radio optional)	Umbilical (Radio optional)
<b>Power pack</b>		
Type	Volvo D13	Volvo D13
Stage / Tier	Stage 2 / Tier 2	Stage 2 / Tier 2
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>Transport dimensions</b>		
Length	16.58 m / 54' 5"	17.93 / 58' 10"
Width	3.0 m / 9' 10"	3.0 m / 9' 10"
Height	3.92 m / 12' 10"	3.92 m / 12' 10"
Transport weight	63,000 kg / 138,890 lbs	74,000 kg / 163,142 lbs
<b>Operating dimensions</b>		
Length	16.41 m / 53' 10"	17.75 m / 58' 3"
Width	3.13 m / 10' 3"	3.70 m / 12' 2"
Height	4.26 m / 14' 0"	4.95 m / 16' 3"
Operating weight	63,000 kg / 138,890 lbs	74,000 kg / 163,142 lbs
<b>Performance</b>		
Max feed size	760 mm / 2' 6"	760 mm / 2' 6"
Capacity (up to)	700 tph / 772 stph	700 tph / 772 stph

Note. All weights and dimensions are for standard units only

## OPTIONS

Overband magnet  
Dust filter system  
Natural fines conveyor (Classic only)  
Auto lube for jaw crusher bearings  
Hydraulic hammer and boom  
High pressure water pump - dust suppression  
Webasto engine coolant heater  
Extreme Cold Package (-35 to 15°C)  
Volvo Tier 4 Final Engine

Block heating for engine  
Stockpile conveyor level sensors  
Sandvik high impact rubber liners for hopper  
Jaw plate shims