



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 3 basic types:

- Comfort: Feeder with grizzly, by-pass chute and an optional natural fines conveyor.
 - 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 - 3m / 9' 10"
 - No oil spillage during filter changes due to vacuumised hydraulic system and dust suppression systems.



KEY SPECIFICATIONS	UJ440i COMFORT	UJ440i CLASSIC	UJ440i TREND
Hopper			
Type	Hyd Folding - side and rear	Hyd Folding - side and rear	Manual Folding - side and rear
Width	3130 mm / 10' 3 1/4"	3130 mm / 10' 3 1/4"	3678 mm / 12' 1"
Length	5105 mm / 16' 9"	5105 mm / 16' 9"	5574 mm / 18' 3 1/2"
Level capacity	6 m³ / 7.85 yds³	6 m³ / 7.85 yds³	10 m³ / 13.1 yds³
Rear loading height	3825 mm / 12' 7"	3825 mm / 12' 7"	4657 mm / 15' 3"
Feeder			
Type	SW1253H - Hyd var speed grizzly	SW1252H - Hyd var speed grizzly feeder	ST1241 - Hyd var speed pan feeder
Width	1200 mm / 47 1/4"	1200 mm / 47 1/4"	1080mm / 42 1/2"
Total length	4850 mm / 15' 11"	4850 mm / 15' 11"	3500mm / 11' 5 3/4"
Grizzly length	1550 mm / 61"	1550 mm / 61"	-
Standard aperture	90 mm max / 3 1/2"	90 mm max / 3 1/2"	-
Pre Screen			
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"
Crusher			
Type	Single Toggle - CJ412	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"	1200 x 830 mm / 47 1/4" x 32 3/4"
Speed	240 rpm	240 rpm	240 rpm
Adjustment type	Hyd wedge	Hyd wedge	Hyd Wedge
Drive	Direct via V Belts	Direct via V Belts	Direct via V Belts
CSS range	100 - 275 mm / 4" - 11"	100 - 275 mm / 4" - 11"	100 - 275 mm / 4" - 11"
Main Conveyor			
Width	1400 mm / 4' 7"	1400 mm / 4' 7"	1400 mm / 4' 7"
Length	23,550 mm / 77' 3"	23,550 mm / 77' 3"	23,550 mm / 77' 3"
Discharge height	4045 mm / 13' 3"	4045 mm / 13' 3"	4045 mm / 13' 3"
Raise / lower	Yes - manually	Yes - manually	Yes - manually
Drive	Hyd motor	Hyd motor	Hyd motor
Motor cc	750 cc / 45.7 cu inch	750 cc / 45.7 cu inch	750 cc / 45.7 cu inch
Tracks			
Length (centres)	4170 mm / 13' 8"	4170 mm / 13' 8"	4170 mm / 13' 8"
Width (shoe)	500 mm / 19 3/4"	500 mm / 19 3/4"	500 mm / 19 3/4"
Drive	Hyd / Gearbox	Hyd / Gearbox	Hyd / Gearbox
Control	Umbilical (Radio optional)	Umbilical (Radio optional)	Umbilical (Radio optional)
Power pack			
Type	Volvo D13	Volvo D13	Volvo D13
Stage / Tier	Stage 3B / Tier 4i	Stage 3B / Tier 4i	Stage 3B / Tier 4i
Engine power	315 kW / 422 hp	315 kW / 422 hp	315 kW / 422 hp
Diesel tank capacity	1125 litres / 297 USG	1125 litres / 297 USG	1125 litres / 297 USG
Hyd tank capacity	415 litres / 110 USG	415 litres / 110 USG	415 litres / 110 USG
Transport Dimensions			
Length	16.58 m / 54' 5"	16.58 m / 54' 5"	17.93 / 58' 10"
Width	3.0 m / 9' 10"	3.0 m / 9' 10"	3.0 m / 9' 10"
Height	3.92 m / 12' 10"	3.92 m / 12' 10"	3.92 m / 12' 10"
Transport weight	62,500 kg / 137,790 lbs	63,000 kg / 138,890 lbs	74,000 kg / 163,142 lbs
Operating Dimensions			
Length	16.41m / 53' 10"	16.41 m / 53' 10"	17.75 m / 58' 3"
Width	3.13 m / 10' 3"	3.13 m / 10' 3"	3.70 m / 12' 2"
Height	4.26 m / 14' 0"	4.26 m / 14' 0"	4.95 m / 16' 3"
Operating weight	62,500 kg / 137,790 lbs	63,000 kg / 138,890 lbs	74,000 kg / 163,142 lbs
Performance			
Max feed size	760 mm / 2' 6"	760 mm / 2' 6"	760 mm / 2' 6"
Capacity (up to)	700 tph / 772 stph	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
Auto lube for jaw crusher bearings
Hydraulic hammer and boom
Preparation for hydraulic hammer
Spray nozzles on crusher and discharge conveyor
High pressure water pump - dust suppression
Belt scale on main conveyor
King pin for dolly
Webasto engine coolant heater

Block heating for engine
Adaption for UK mines and quarries
Pressure gauges and o ring set
Stockpile conveyor level sensors
Lifting arrangement for shipping
Sandvik high impact rubber liners for hopper
Hanging screen system (open circuit)
Jaw plate shims
Support frame for feeder station transport
Complete first service filter kit
Ambient package