



US440i CONE CRUSHER PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

The US440i is a heavy-duty cone crusher built using renowned Sandvik technology which has proven capable of operating in the toughest climatic conditions. Featuring the market leading Sandvik CS440 cone crusher it comes with a choice of mantles and settings which make it suitable for a wide range of applications worldwide.

Trouble free and optimal production is ensured by on board high level Intelligence together with ASRi which comes as standard.

KEY BENEFITS

- Sandvik CS440 cone crusher with a choice of three concaves and four eccentric settings from a single bush ranging from 20 mm to 36 mm.
- The concave and bush settings give unrivalled flexibility regarding CSS ranges, production and material gradation.
- Material level in the crusher is optimized at all times by an inbuilt monitoring system. This adjusts the feed conveyor speed and feed from the primary unit.
- Feed conveyor is hydraulically manoeuvred to and from its working position. The input area of the feed conveyor has a 6m³ (212 cubic feet) large rubber lined feed hopper and is designed for feeding directly from a front loader, or from a primary crusher. The conveyor belt is protected by a steel structure in the hopper, which is enhanced by impact bars that absorb the shock from loading and extends belt life.
- Wireless communication with Sandvik UJ440i primary unit in combination with optional sonar at the unit's discharge conveyor.
- Metal detector located before crusher.
- It is possible to position the material drop point from the feed conveyor into the crusher via (radio) remote.
- Unit is fitted with an engine and crusher lubrication oil pre-heater as standard.
- Platforms are located around the crusher and power pack in order to provide easy access for service and maintenance.
- Radio remote control fitted as standard.
- Sensors are located at strategic locations to ensure a trouble free operation and safe guard against costly breakdowns.
- The US440i is easily transported in one piece, with all components remaining on board.
- No oil spillage during filter changes due to vacuumized hydraulic system and dust suppression systems.
- Fitted with My Fleet telematics.



KEY SPECIFICATIONS	US440i
Feed hopper	
Nominal capacity	6 m ³ / 7.85 yds ³
Rear loading height	3330 mm / 10' 11"
Rear loading height (door lowered)	3136 mm / 10' 3"
Rear loading width	2930 mm / 9' 7"
Feed conveyor	
Sandvik high impact rubber liners	Std
Belt width	1200 mm / 47"
Drive type	Hyd - variable speed
Metal detector type	Bridge coil
Crusher	
Type	Sandvik CS440 cone
Feed opening	450 mm / 18"
CSS range	25 - 54 mm / 1" - 2"
Chamber control	Sandvik hydroset system (ASRI)
Std chamber kit	C
Chamber options	EC-MC
Std bush settings	Eccentric bush setting 20 / 30 / 36
Drive	Direct drive via fluid coupling
Crusher weight	19,300 kg / 42,550 lbs
Lubrication tank	
Capacity	245 litres / 64.7 USG
Fixed displacement flow meter	Yes
Hyd driven oil cooler	Yes

Webasto lubrication oil pre-heater with timer as standard

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Main conveyor	
Belt width	1400 mm / 4' 7"
Discharge height	4046 mm / 13' 3"
Tracks	
Length (centres)	4170 mm / 13' 8"
Width (shoe)	500 mm / 20"
Drive	Hyd / Gearbox
Control	Umbilical (radio optional)
Power pack	
Type	Volvo D13
Stage / Tier	EU Stage 5 US Tier 4 Final Tier 2 R.O.W
Engine power	315 kW / 422 hp
Diesel tank capacity	1125 litres / 297 USG
Hyd tank capacity	415 litres / 110 USG
Webasto engine pre-heater with timer - Yes (standard)	
Transport dimensions	
Length	18,75 m / 61' 7"
Width	3.0 m / 9' 10"
Height	3.89 m / 12' 9"
Cubic volume	218.6 m ³ / 7719.8 ft ³
Transport weight	53,700 kg / 118,388 lbs
Operating dimensions	
Length	17.45 m / 57' 3"
Width	3.0 m / 9' 10"
Height	4.87 m / 16' 0"
Operating weight	53,700 kg / 118,388 lbs
Performance	
Max feed size	450 mm / 18"
Capacity (up to)	600 tph / 661 stph
Travel speed	1.2 km / h / 0.75 mph
Max Incline / side to side	20° / 10°

Note. All weights and dimensions are for standard units only

OPTIONS

Dust suppression water pump
 Block heating for engine
 Main conveyor stockpile level sensor
 Hanging screen system (open circuit)
 Hanging screen system (closed circuit)
 CAT Tier 3 (rest of the world) engine
 EPA Tier 4 final engine
 EU Stage 5 engine
 Return conveyor for coarse fraction
 Hot ambient package (-5 to 45°C)
 Extreme cold package (-35 to 15°C)
 Choice of chamber kits EC or MC (18%)