The US440i is a heavy-duty cone crusher built using the latest 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

- 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 (with Sandvik modular wear protection) 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.
- Water spray units situated at discharge conveyor and over the crusher.
- 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.
# KEY SPECIFICATIONS

## Feed Hopper
- **Nominal capacity**: 6 m³ / 7.85 yds³
- **Rear loading height**: 3330 mm / 10' 11"
- **Rear loading height (door lowered)**: 3136 mm / 10' 3 ½"
- **Rear loading width**: 2930 mm / 9' 7 ½"

## Feed conveyor
- **Hopper wall thickness**: 6 mm / ¼"
- **Sandvik high impact rubber Liners**
- **Belt width**: 6 mm / ¼" mm / 18"" mm / 18"
- **Belt length**: 1200 mm / 47" mm / 47"
- **Conveyor incline angle**: 20°
- **Drive type**: Hyd - variable speed
- **Gearbox ratio**: 65:7:1
- **Drive torque**: 9700 Nm (max) / 7154 lbs ft
- **Head drum diameter**: 410 mm / 16"
- **Tail drum diameter**: 400 mm / 15½"
- **Motor size**: 44.3 cc / 2.70 cu inch
- **Metal detector type**: Bridge coil

## Crusher
- **Type**: Sandvik CS440 cone
- **Speed**: 285 rpm
- **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**: 20, 25, 30, 36 mm / ¾", 1", 1¼", 1½"
- **Drive**: 21 KPTO fluid coupling
- **Drive belts**: 8 off SPC 7500
- **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

## OPTIONS
- Dust filter system
- Dust suppression water pump
- Block heating for engine
- Main conveyor stockpile level sensor
- Hanging screen system (open circuit)
- Hanging screen system (closed circuit)
- Tier 4 Final Engine
- Return conveyor for coarse fraction
- Hot ambient package (-5 to 45°C)
- Extreme cold package (-35 to 15°C)
- Webasto engine coolant heater

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**Note.** All weights and dimensions are for standard units only.