The UH440i 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 CH440 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 optimised 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 UH440i is easily transported in one piece, with all components remaining on board.
- No oil spillage during filter changes due to vacuumised hydraulic system and dust suppression systems.
### KEY SPECIFICATIONS

**UH440i**

#### Feed hopper
- Nominal capacity: 6 m³ / 7.85 yds³
- Rear loading height: 3334 mm / 10' 11"
- Rear loading height (door lowered): 3136 mm / 10' 3½"
- Rear loading width: 2930 mm / 9' 7½"

#### Feed conveyor
- Hopper wall thickness: 6 mm / ¼"
- Sandvik high impact rubber liners
- Belt width: 1200 mm / 47"
- Belt length: 14,220 mm / 46' 8"
- 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 / 15 ½"
- Motor size: 44.3 cc / 2.70 cu inch
- Metal detector type: Bridge coil

#### Crusher
- Type: Sandvik CH440 Cone
- Speed: 320 rpm
- Feed opening: 215 mm / 8½"
- CSS range: 8 - 48 mm / 5 / 16" - 1 ⅞"
- Chamber control: Sandvik Hydroset System (ASRi)
- Std chamber kit: EC
- Chamber options: F-MF-M-MC-C
- Std Bush settings: 32, 36, 40, 44 mm / 1¼, 1½, 1¾, 1½"
- Drive: 21 Kpto fluid coupling
- Drive belts: 8 off SPC 7500
- Crusher weight: 13,700 kg / 30,203 lbs

#### Main conveyor
- Belt width: 1400 mm / 4' 7"
- Belt length: 23,550 mm / 77' 3"
- Discharge height: 4046 mm / 13' 3"
- Head drum diameter: 340 mm / 13 ½"
- Tail drum diameter: 250 mm / 10"
- Drive: Hyd
- Motor cc: 750 cc / 45.7 cu inch

#### Tracks
- Length (centres): 4170 mm / 13' 8"
- Width (shoe): 500 mm / 19 ¼"
- Drive: Hyd / Gearbox
- Control: Umbilical (radio optional)

#### Power pack
- Type: Volvo D13
- Stage / Tier: Stage 2 / Tier 2
- Engine power: 315 kW / 422 hp
- Diesel tank capacity: 1125 litres / 297 USG
- Hyd tank capacity: 415 litres / 110 USG

#### Transport dimensions
- Length: 18.78 m / 61' 7"
- Width: 3.0 m / 9' 10"
- Height: 3.88 m / 12' 8 ¼"
- Cubic volume: 218.6 m³ / 7719.8 ft³
- Transport weight: 49,440 kg / 108,996 lbs

#### Operating dimensions
- Length: 17.45 m / 57' 3"
- Width: 3.0 m / 9' 10"
- Height: 4.87 m / 16' 0"
- Operating weight: 48,975 kg / 107,972 lbs

#### Performance
- Max feed size: 215 mm / 8 ½"
- Capacity (up to): 388 tph / 435 stph

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

### OPTIONS

- Dust filter system
- Dust suppression water pump
- Block heating for engine
- Stockpile conveyor 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
- 18% Extra coarse chamber kit
- 18% Coarse chamber kit
- 18% Medium coarse chamber kit
- 18% Medium chamber kit
- 18% Medium fine chamber kit