The direct drive QH441 features the world-leading CH440 Sandvik Hydrocone of which there are thousands of installed units worldwide. Designed for minimal operator intervention, the QH441 utilizes latest technology to ensure uninterrupted productivity. Although specifically aimed at the large operator, the QH441 is engineered for ease of mobility, with a rapid set-up time.

The cone comes with a wide choice of concaves and eccentric bush settings offering customers ultimate flexibility and making the Sandvik cone crusher one of the most versatile tracked cones on the market.

**KEY BENEFITS**

- The chassis is constructed from a heavy duty ‘I’ beam to ensure maximum durability.
- Heavy duty, hydraulically positioned feed conveyor with wear resistant liners.
- Up and over metal detector to provide ultimate cone protection from tramp material.
- Automated variable speed feed conveyor to ensure maximum production, reduction and shape.
- Remote camera viewing the crushing chamber ensures full visibility without the need to access the machine.
- 13 litre diesel engine with direct drive to ensure maximum power delivery and fuel efficiency.
- The machine is designed for ease of mobility, for rapid set up time and transportation.
- The QH441 is fitted with the CH440 Sandvik cone which has a choice of six concaves and a CSS range of 8 mm to 48 mm allowing a feed size of up to 215 mm
- Capable of up to 388 TPH.
- 8 available bush settings to give an eccentric throw range from 16 mm to 44 mm.
- Capable of operating in the most hostile environments with a 50°C ambient temperature capability with just a lubrication oil change.
- This flexibility makes the Sandvik cone crusher one of the most versatile tracked machines on the market to suit the most arduous application requirements.
### OPTIONS

- **C chamber kit**
- **MC chamber kit**
- **M chamber kit**
- **MF chamber kit**
- **F chamber kit**
- **Hydraulic folding hopper extensions for rear loading**
- **Central autolube (all bearings)**
- **Arctic package -20°C (-4°F) (32 Grade hydraulic oil, engine oil and 100 Grade lubrication oil)**
- **Arctic package -30°C (-22°F) (arctic hydraulic oil, engine oil, 100 Grade lubrication oil and webasto coolant heater)**
- **Tropical package (220 grade lubrication oil) for +30°C ambient**
- **Main conveyor level sensor (stockpile monitor)**
- **Lighting mast and cabinet lights**
- **Remote diesel pump (electric)**
- **Pull stop cords on the main conveyor**
- **Water pump (hydraulic)**
- **Overband magnet (not available with HS option)**
- **Engine filter kit - 250 hours (air and oil filters - for 3A engines only)**
- **Plant and engine filter kit - 500 hours**
- **Intelligent line multi-machine communication**
- **Tool box and contents**
- **Head drum guard on the main conveyor only (not available with HS option)**
- **Main conveyor underguards, head drum guard and additional side and rear guards (blue chip guarding) (not available with HS option)**
- **Radio remote control**

### KEY SPECIFICATIONS QH441

#### Hopper
- **Nominal capacity**: 6.3 m³ / 8.25 yds³
- **Nominal capacity with extensions**: 10.2 m³ / 13.3 yds³
- **Rear loading height**: 3480 mm / 11' 5 ½"
- **Rear loading height (door lowered)**: 3090 mm / 10' 1 ¼"
- **Rear loading height with extensions**: 3884 mm / 12' 9"
- **Rear loading width**: 2630 mm / 8' 7 ½"
- **Rear loading width with extensions**: 3822 mm / 12' 6 ½"

#### Feed conveyor
- **Hopper thickness**: 10 mm / ⅜"
- **Wear resistant hopper liners**: 10 mm / ⅜"
- **Belt width**: 1200 mm / 47"
- **Belt length**: 13150 mm / 43' 2"
- **Incline angle**: 22°
- **Drive**: Hydraulic variable speed
- **Gearbox**: 31:1
- **Torque**: 8000 Nm / 5900 lbs / ft
- **Head drum diameter**: 371 mm / 14 ½"
- **Tail drum diameter**: 265 mm / 10 ½"
- **Motor**: 82.6 cc / 5.04 cu inch
- **Metal detector type**: Bridge coil

#### Crusher
- **Cone**: Sandvik CH440
- **Speed**: 327 rpm to 346 rpm
- **Feed opening**: 215 mm / 8 ½"
- **CSS range**: 8 - 48 mm / 5/16" - 1 ⅞"
- **Std chamber kit**: EC
- **Chamber options**: F-MF-M-MC-C
- **Std bush settings**: 32,36*,40,44 mm / 1¼, 1⅜*, 1½, 1⅚"＊
- **Drive**: PT Tech 14" Wet Clutch with PTO
- **Drive belts**: 10 SPC Single Belts
- **Crusher weight**: 14,300 kg / 31,526 lbs

#### Lubrication tank
- **Capacity**: 250 litres / 66 USG
- **Fixed displacement flow meter**: Yes
- **Hyd driven oil cooler**: Yes

#### Main conveyor
- **Belt width**: 1200 mm / 47"
- **Belt length**: 21600 mm / 70' 10"
- **Discharge height**: 3739 mm / 12' 3 ¼"
- **Head drum diameter**: 371 mm / 14 ½"
- **Tail drum diameter**: 265 mm / 10 ½"
- **Drive**: Hydraulic
- **Motor cc**: 624 cc / 38.1 cu inch

#### Tracks
- **Length (centres)**: 3715 mm / 12' 2"
- **Width (shoe)**: 500 mm / 19 ¾"
- **Drive**: Hydraulic / Gearbox
- **Control**: Radio / Umbilical

#### Power pack
- **Engine**: Stage 3A / Tier 3 CAT C13 Acert / Stage 3B / Tier 4i CAT C13 Acert / Stage 4 / Tier 4 Final CAT C13 Acert
- **Engine power**: 328 kW / 440 hp
- **Diesel tank capacity**: 990 litres / 262 USG
- **Hyd tank capacity**: 990 litres / 262 USG

#### Transport dimensions
- **Length**: 17.21 m / 56' 5 ½"
- **Width**: 2.95 m / 9' 8 ½"
- **Height**: 3.8 m / 12' 5 ½"
- **Standard weight**: 50,488 kg / 111,307 lbs

#### Performance
- **Maximum feed size**: 215 mm / 8 ½"
- **Capacity (up to)**: 386 tph / 435 stph
- **Travel speed**: 0 - 1.3 km/h / 0 - 0.8 mph
- **Max incline / Side to side**: 20° / 10°

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