



Featuring the proven, high performing Sandvik CH440 Hydrocone

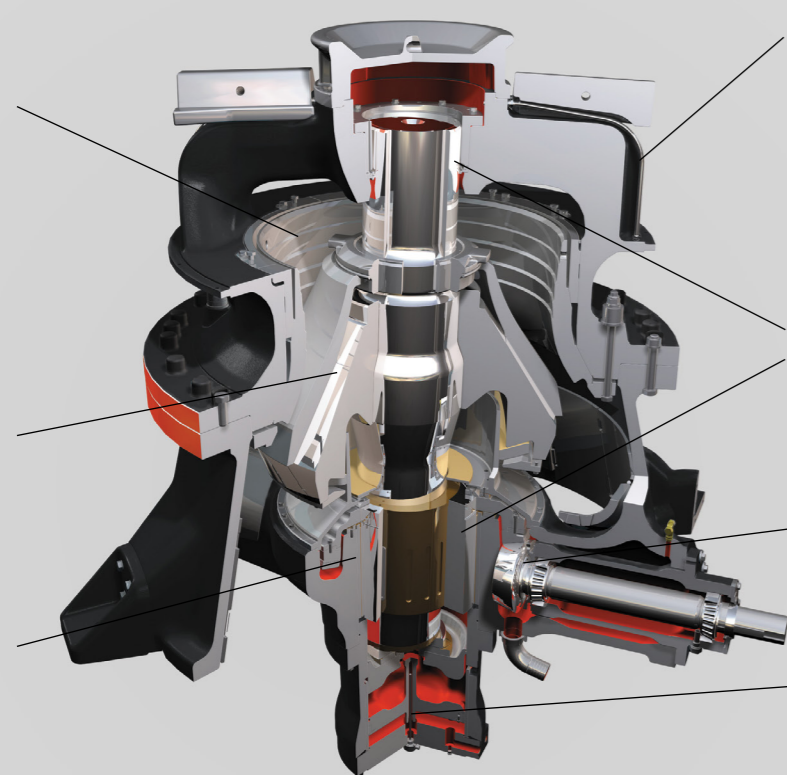
CLP Liners are designed to keep maximum feed size into the cone throughout the wear life of the liners. All liner options fit in one top shell.

Constant liner opening results in constant production performance throughout liner life.

Longer crushing chamber due to top & bottom support which gives superior product shape in the chamber.

Bush arrangement has multiple settings to suit the required application.

Eccentric throw can be changed by simply turning the bush. The throw range is the most extensive in the market.



Modular design with filler ring for ultimate flexibility.

Unique crusher design eliminates the need for anti-spin device on head.

Main Shaft is supported from both the Top and Bottom giving additional strength.

Helical drive gear arrangement for maximum durability and smooth operation.

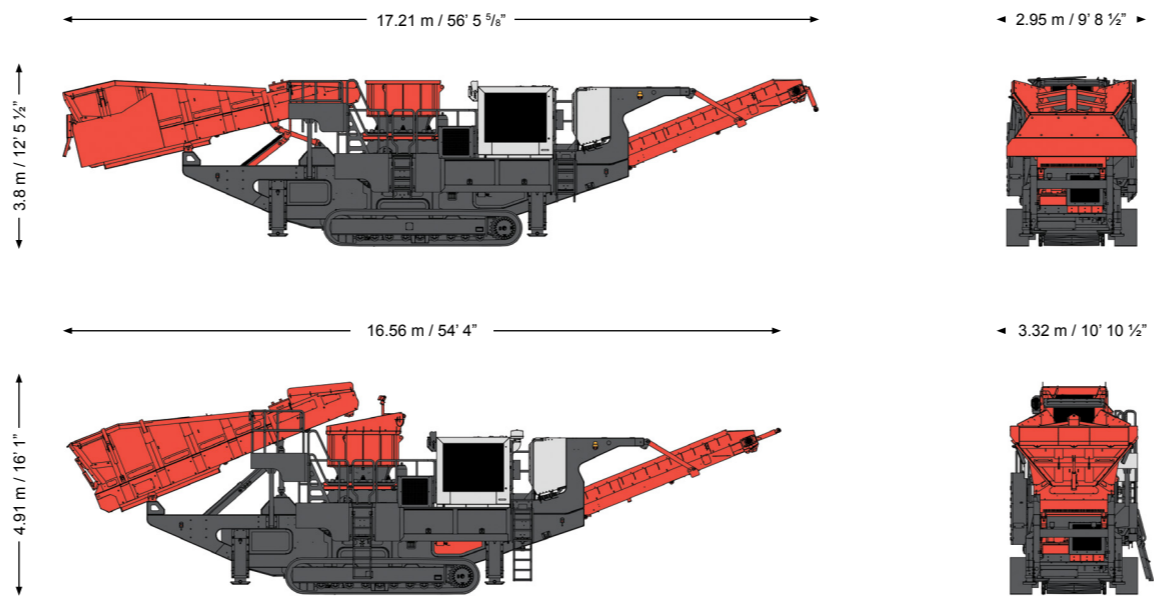
Single piston design for gap setting and over load protection. CSS can also be adjusted whilst crushing.

### Technical specifications

	QH441
<b>Crusher</b>	
Type	Sandvik CH440
Speed	327 rpm to 346 rpm
Feed Opening	215 mm / 8 1/2"
CSS Range	8 - 48 mm / 5/16" - 1 1/4"
Drive	PT Tech 14" Wet Clutch with PTO
Drive Belts	10 SPC Single Belts

	QH441
<b>Powerpack</b>	
Engine	Stage 3A / Tier 3 CAT C13 Acert or Stage 3B / Tier 4i CAT C13 Acert
Engine Power	328 kW / 440 hp
Diesel Tank Capacity	990 litres / 262 US Gal
Hyd Tank Capacity	990 litres / 262 US Gal

Note. All weights and dimensions are for standard units only



Standard weight 50,080 kg / 110,407 lbs



SANDVIK CONSTRUCTION MOBILE CRUSHERS AND SCREENS LTD  
 HEARTH COTE ROAD, SWADLINCOTE, DERBYSHIRE, DE11 9DU, ENGLAND  
 T: +44 (0) 1283 212121 F: +44 (0) 1283 818210 info.mobilecs@sandvik.com www.sandvikmobiles.com

The material in this brochure is of general application for information and guidance only, and no representation or warranty is made or given by the manufacturer that its products will be suitable for a customer's particular purpose and enquiry should always be made of the manufacturer to ensure such suitability. Whilst every effort has been made in the preparation of this document to ensure its accuracy, the manufacturer assumes no liability resulting from errors or omissions in this document, or from the use or interpretation of the information contained herein. The manufacturer reserves the right to make changes to the information in this brochure and the product design without reservation and without notification to users.

# QH441 Hydrocone Mobile Crusher

## E-motion

A world leading cone crusher



# QH441 Hydrocone Mobile Crusher

## Engineering in motion

### KEY SPECIFICATIONS

<b>EQUIPMENT</b>	Sandvik CH440 Hydrocone
<b>MAXIMUM FEED SIZE</b>	215 mm / 8 1/2"
<b>ENGINE</b>	C13 Acert 328 kW / 440 hp
<b>TRANSPORT DIMENSIONS</b>	17.21 m / 56' 5 3/4" (l) 2.95 m / 9' 8 1/2" (w) 3.8 m / 12' 5 1/2" (h)
<b>WEIGHT</b>	50,080 kg / 110,407 lbs

### VERSATILE SOLUTION

The QH441 is one of the most flexible and heavy duty cone crushers in the market today. Specifically aimed at large scale aggregates producers, the QH441 has been designed utilizing the latest technology to ensure uninterrupted productivity and minimal operator intervention.

Fitted with the renowned Sandvik CH440 Hydrocone crusher, which has proven its strength and reliability in a wide range of static applications worldwide, the CH440 cone is equipped with a Hydroset CSS regulation system that optimises production and keeps track of liner wear.

Powered by a diesel engine with direct drive to ensure maximum power and fuel efficiency, it sets new standards in throughput, reduction ratios and gives excellent product shape. Available with a choice of six crushing chambers and a variety of bush settings, it stands as one of the most reliable, versatile and productive cone crushers in the market today.

### FEATURES INCLUDE:

- Emissions compliant 328 kW (440 hp) engine for powerful cost efficient performance
- Variable crusher speed via the engine to manipulate product gradation
- Camera overseeing the crushing chamber allows the operator full visibility of the feed material entering the crushing chamber
- A level sensor above the crushing chamber controls the automated variable speed feed conveyor to ensure maximum production, reduction and shape
- Capable of operating in the most hostile environments with a 50°C ambient temperature capability with just a change of lubrication oil
- Fully compliant with the latest Machinery Directives
- Designed for optimum fuel economy and low operating costs.



Quarrying application

Gritstone application

Hard rock application

*Suitable for a wide variety of applications.*

#### Feeder

- Automated variable speed 1200mm / 47" wide feed conveyor to ensure maximum production, reduction and shape
- Bridge Coil (up and over) metal detector fitted to the feed conveyor providing optimum stability and controlled detection

#### Cone

- Fitted with the proven CH440 Sandvik cone for strength and reliability
- Equipped with Hydroset CSS regulation system for optimum production & protection
- Choice of 6 concaves and a CSS range of 8mm to 48mm accepting a feed size of up to 215mm / 8 1/2"
- Various bush settings available to optimize product gradation and capacity
- World renowned Constant Liner Performance system for optimum wear life of the liners
- Hydraulic over load system for tramp metal

#### Power Pack

- 328 kW / 440 hp emissions compliant engine
- Direct drive to ensure maximum power delivery
- Variable crusher speed via the engine to manipulate product gradation
- Easy access for service and maintenance
- Ground level drainage points
- Large capacity diesel tank 990 litre / 262 US Gal

#### Hanging screen system (optional)

- 4 x 1.5 m / 13' x 5' single deck screen for recirculation back to feed conveyor, or stockpiling through 90° rotation of oversize conveyor to produce two products

#### Hopper

- Wear resistant liner plates fitted as standard
- Hydraulically raised and lowered for transport
- Hydraulic folding hopper extensions for increased hopper capacity and rear loading (optional)

#### Chassis

- Heavy duty fabricated chassis on a tracked frame
- Hydraulic legs for increased stability and servicing capabilities

#### Tracks

- 500 mm / 20" wide tracks driven by umbilical control / radio remote (optional)
- Proportional tracking for ultimate machine maneuverability



#### Main Conveyor

- 1200 mm / 47" wide main conveyor with a discharge height of 3739 mm / 12' 3 1/4"
- Dust suppression spray bars and canvas covers fitted as standard

#### Cooling fan

- Hydraulically driven cooling fan with auto reverse to back flush dust from radiator

#### Control system

- Highly efficient hydraulic and electric system provide ultimate system control
- A full colour PLC screen with a simple operator interface combined with a level sensor above the crushing chamber and load control system allows for a fully automated crushing process

### STANDARD FEATURES



Camera and level sensor to ensure continuous feed

Bridge coil metal detector for controlled detection

Steel pipework for better heat dissipation

Easy access to the engine compartment

User friendly PLC control system with colour screen

Direct drive for maximum fuel efficiency