

Sandvik QH440 cone crusher unit in Action

Technical specification sheet



The QH440 is a tracked, self contained cone crusher with an on board diesel engine.

- The chassis is constructed from a heavy duty 'I' beam to ensure maximum durability
- Heavy duty, hydraulically positioned feed conveyor with Hardox 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
- Fitted with four jacking legs for additional stability during operation and to assist with maintenance
- 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 QH440 is fitted with the CH440 Sandvik cone which has a choice of six concaves and a CSS range of 8mm to 48mm allowing a feed size of up to 215mm
- 8 available bush settings to give an eccentric throw range from 16mm to 44mm
- Capable of up to 388 TPH
- This flexibility makes the Sandvik cone crusher one of the most versatile tracked machines on the market to suit the most arduous application requirements.

Technical specifications

	QH440
Feed Hopper	
Nominal capacity	6.3 m ³ / 8.25 yd ³
Nominal capacity with extensions	8.4 m ³ / 11 yd ³
Rear loading height	3531 mm / 11' 7"
Rear loading height (rear door lowered)	3105 mm / 10' 2"
Rear loading width (STD)	2626 mm / 8' 7½"
Rear loading width with extensions	3759 mm / 12' 4"
10 mm / ⅜" thick Hopper with 10 mm / ⅜" Hardox liners Up and over metal detector	
Feed Belt	
Head drum	371 mm diameter / 14.5"
Hydraulic drive	80 cc / 4.9 cu inch piston motor
Gearbox	31:1, 8000 N/m / 5900 lbs/ft torque
Tail drum	265 mm diameter / 10½"
Belt width	1200 mm / 47"
Belt length (endless)	13150 mm / 43' 2"
Belt Spec	EP630 4 ply 6 mm / ¼" top cover 2 mm / ⅜" bottom cover
CH440 Cone Crusher	
Sandvik CH440 crusher	1150 mm / 45 ¼" diameter
Feed openings	From 70 mm to 215 mm / From 3" to 8.5"
6 concave chambers	Fine to Extra Course
CSS range	8 mm to 48 mm / 5/16" to 1⅞"
Capacity	85 TPH to 388 TPH / 95 STPH to 435 STPH
8 bush settings	16 mm to 44 mm (max 4 per bush) / 5/8" to 1¾"
Standard bush	32, 36, 40, 44 mm / 1¼, 1⅜, 1⅞, 1¾"
Total weight	14,300 kg / 31,526 lbs
Lubrication Tank	
Capacity	250 litres / 66 US Gal
Fixed displacement flow meter	
Hydraulically driven oil cooler	

Options

Water suppression pump (hydraulic)
Magnet
Hopper extensions
Tropical package (220 Grade Hydraulic Oil)
-20 °C (-4 °F) Arctic package
-30 °C (-22 °F) Arctic package
Conveyor stop pull cords (main)
Central autolube

	QH440
Main Conveyor	
Head drum	371 mm diameter / 14½"
Hydraulic drive	630 cc / 38.5 cu inch motor
Tail drum	265 mm diameter / 10½"
Belt width	1200 mm / 47"
Belt length (endless)	21600 mm / 70' 10"
Belt Spec	EP630 4 ply 6 mm / ¼" top cover 2 mm / ⅜" bottom cover
Discharge height	3734 mm / 12' 3"
Power Unit	
Engine	Cat C13 Tier 3A or Tier 3B / 4i*
Engine power	328 kW / 440 hp
Speed	1800 rpm
Fuel Tank	900 litres / 238 US Gal
Hydraulic tank	900 litres / 238 US Gal
Drive Train	
Direct Drive	PT Tech 14" wet clutch C/W twin PTO
Drive belts	2 sets of 5 banded belts SPC6300
Tracks	
Length (centres)	3715 mm / 12' 2"
Over all length	4528 mm / 14' 10"
Track shoe width	500 mm / 19¾"
Tracking speed	0 - 1.3 kph / 0.80 mph (proportional)
Hydraulic motor	90 cc / 5.5 Cu inch bent axis
Gearbox ratio	124:1
Max gradability	20°
General Technical Data	
Transport width	2.99 m / 9' 10"
Transport length	16.99 m / 55' 9"
Transport height	3.80 m / 12' 5"
Operation width	3.34 m / 11' 0"
Operation width (with hopper extensions)	3.76 m / 12' 4"
Operation length	16.04 m / 52' 7"
Operation height	4.93 m / 16' 2"
Total weight	48,500 kg / 106,924 lbs

Note. All weights and dimensions are for standard units only
* Volvo option available late 2011. Please inquire within for further details.

Diesel pump (electric)
**CS440 type cone crusher
**Rubber lined hopper
**Hanging screen
**Wheeled dolly
**Fire suppression
**345kW Volvo engine

**Options that will be available in the future

The units depicted show all options currently available, and the colour scheme reflects the eventual scheme to be used. Current models may differ from those featured in this brochure. Please contact Sandvik to clarify specification and options. 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 reasonable efforts have 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.

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