



# SANDVIK QH441 HS MOBILE CONE CRUSHER

## TECHNICAL SPECIFICATION

The QH441 HS is the largest Sandvik Q-Range mobile cone crusher with single deck HS311 hanging screen, designed for versatility, safety and high performance. Featuring the market leading Sandvik CH440 cone crusher, it comes with a number of features to ensure maximum uptime and minimum operator intervention.

### KEY BENEFITS

<b>Reliability</b>	<ul style="list-style-type: none"><li>- Market leading Sandvik CH440 cone for strength and high performance</li><li>- Cone crusher unibody mainframe ensures optimal strength and less maintenance</li><li>- Premium components selected throughout and FEA analysis on structural parts for durability</li><li>- Up-and-over metal detector for stable and controlled detection</li><li>- Steel pipe work used extensively to give superior heat dissipation and maximum reliability</li><li>- Capable of operating in the most hostile environments</li></ul>
<b>Productivity</b>	<ul style="list-style-type: none"><li>- Hydraulic cone Hydroset™ setting (CSS) and overload protection for maximum uptime</li><li>- Superior power transfer resulting in tighter close side settings, and larger throw variations for precision crushing</li><li>- Load sensing system for feeder drive, camera and level sensor ensure continuous crushing</li><li>- Choice of chambers, throws and settings to optimize crusher for a wide range of applications</li><li>- Full PLC control system with colour screen allowing visual data output &amp; push button adjustment of all plant operating parameters</li><li>- Connected to Sandvik My Fleet with 7 year data subscription offering 24/7 fleet management, geo-fencing and remote operator support</li><li>- Single deck HS311 hanging screen to provide a 1 or 2 way split</li></ul>
<b>Cost of ownership</b>	<ul style="list-style-type: none"><li>- Latest generation fuel efficient engines provide maximum performance and cost efficiency</li><li>- Fluid clutch drive for smoother power transmission for optimum fuel efficiency and maximum power transfer</li><li>- Well-proportioned fuel tank to maximize intervals between refueling</li><li>- Unique Constant Liner Performance (CLP) for extended life of chamber liners, minimizing downtime and cost</li></ul>
<b>Safety</b>	<ul style="list-style-type: none"><li>- Remote camera viewing the crushing chamber ensures full visibility without the need to access the machine</li><li>- Superb access around the crusher for easy maintenance, especially during liner changes</li><li>- Mandatory audible and visual warning for safe operation whilst tracking and start-up / shut down</li><li>- Emergency stop buttons and conveyor pull stop cords around the plant for easy access during operation</li><li>- Wireless radio handset and proportional speed control for safe tracking onsite</li><li>- Spacious platforms provide safe access for service and maintenance</li><li>- Dust suppression spray bars and onboard water pump to minimize dust improving operator and onsite safety</li></ul>
<b>Sustainability</b>	<ul style="list-style-type: none"><li>- Latest emissions compliant Stage V engine for reduced emissions</li><li>- Dust suppression system minimizes dust emissions reducing environmental impact</li></ul>





KEY SPECIFICATIONS	QH441 HS
<b>Hopper</b>	
Capacity	6.3 m <sup>3</sup> / 8.25 yds <sup>3</sup>
Capacity with extensions	10.2 m <sup>3</sup> / 13.3 yds <sup>3</sup>
Rear loading height	3.49 m / 11' 5"
Rear loading height (door lowered)	3.09 m / 10' 1"
<b>Feed conveyor</b>	
Belt width	1200 mm / 47"
Drive	Hydraulic variable speed
Metal detector type	Bridge coil
<b>Crusher</b>	
Cone	Sandvik CH440 cone
Speed	327 rpm to 346 rpm
Feed opening	215 mm / 8.5"
CSS range	8 - 48 mm / 5/16" - 1 7/8" *
Drive	Wet clutch with PTO
<b>Main conveyor</b>	
Belt width	1200 mm / 47"
Discharge height	3.73 m / 12' 3"
<b>Hanging screen</b>	
Model - HS311	4 x 1.5 m / 13' x 5'
Number of decks	1
Number of bearings	2
Operating angle	22°
Minimum mesh size	20 mm / 3/4"
Maximum mesh size	75 mm / 3"
<b>Transfer conveyor</b>	
Belt width	500 mm / 20"
<b>Re-circ conveyor</b>	
Belt width	500 mm / 20"
Discharge height	6.06 m / 19'10"
<b>Fines conveyor</b>	
Belt width	1200 mm / 47"
Discharge height	3.64 m / 11' 11"

## STANDARD SPECIFICATION

Feed hopper with wear resistant liner  
 Folding hopper extensions for rear loading  
 Main conveyor complete with dust covers  
 Tool kit  
 Light mast and cabinet lights  
 Pull stop cords  
 Camera on crusher feed hopper  
 Level sensor on crushing chamber

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<b>Lubrication tank</b>	
Capacity	250 litres / 66 USG
<b>Tracks</b>	
Length (centres)	3.71 m / 12' 2"
Width (shoe)	500 mm / 20"
Control	Radio / Umbilical
<b>Power pack</b>	
Engine	CAT C13 Stage 5 / T4F 340 kW / 456 hp CAT C13 T3 328 kW / 440 hp CAT NR4 (China) 340 kW / 456 hp
Diesel tank capacity	990 litres / 262 USG
Hyd tank capacity	990 litres / 262 USG
<b>Transport dimensions</b>	
Length	19.26 m / 63' 2"
Width	3.49 m / 11' 5"
Height	3.80 m / 12' 5"
Standard weight	60,206 kg / 132,731 lbs
<b>Operating dimensions</b>	
Closed circuit length	20.20 m / 66' 2"
Closed circuit width	3.93 m / 12' 10"
Closed circuit height	6.10 m / 20'
Open circuit length	20.20 m / 66' 2"
Open circuit width	12.79 m / 41' 9"
Open circuit height	6.06 m / 19' 9"
<b>Performance</b>	
Maximum feed size	215 mm / 8.5"
Capacity (up to)	388 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

Dust suppression spray bars  
 Over and under metal detector  
 Remote diesel pump  
 Radio control tracking, proportional  
 Hydraulic water pump  
 Hydraulic jacking legs  
 My Fleet telematics with 7 year data subscription

For option availability please speak with your local Sandvik representative

\* Application specific. Please contact a Sandvik representative for clarification on specifications and options  
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