

Sandvik QH441

Tracked cone crusher

The QH441 is the largest Sandvik Q-Range mobile cone crusher, 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

Reliability

- Market leading Sandvik CH440 cone for strength and high performance
- Cone crusher unibody mainframe ensures optimal strength and less maintenance
- Premium components selected throughout and FEA analysis on structural parts for durability
- Up-and-over metal detector for stable and controlled detection
- Steel pipe work used extensively to give superior heat dissipation and maximum reliability
- Capable of operating in the most hostile environments

Productivity

- Hydraulic cone Hydrosert™ setting (CSS) and overload protection for maximum uptime
- Superior power transfer resulting in tighter close side settings, and larger throw variations for precision crushing
- Load sensing system for feeder drive, camera and level sensor ensure continuous crushing
- Choice of chambers, throws and settings to optimize crusher for a wide range of applications
- Full PLC control system with colour screen allowing visual data output and push button adjustment of all plant operating parameters
- Connected to Sandvik My Fleet with 7 year data subscription offering 24/7 fleet management, geo-fencing and remote operator support
- Available with single deck hanging screen to provide a 1 or 2 way split (see QH441 HS for full specification)

Cost of ownership

- Latest generation fuel efficient engines provide maximum performance and cost efficiency
- Fluid clutch drive for smoother power transmission for optimum fuel efficiency and maximum power transfer
- Well-proportioned fuel tank to maximize intervals between refueling
- Unique Constant Liner Performance (CLP) for extended life of chamber liners, minimizing downtime and cost

Safety

- Remote camera viewing the crushing chamber ensures full visibility without the need to access the machine
- Superb access around the crusher for easy maintenance, especially during liner changes
- Mandatory audible and visual warning for safe operation whilst tracking and start-up / shut down
- Emergency stop buttons and conveyor pull stop cords around the plant for easy access during operation
- Wireless radio handset and proportional speed control for safe tracking onsite
- Spacious platforms provide safe access for service and maintenance
- Dust suppression spray bars and onboard water pump to minimize dust improving operator and onsite safety

Sustainability

- Latest emissions compliant Stage V engine for reduced emissions
- Dust suppression system minimizes dust emissions reducing environmental impact

Technical specification

Key specifications	QH441
Hopper	
Capacity	6.3 m³ / 8.25 yds³
Capacity with extensions	10.2 m³ / 13.3 yds³
Rear loading height	3.49 m / 11' 5"
Rear loading height (door lowered)	3.09 m / 10' 1"
Feed conveyor	
Belt width	1200 mm / 47"
Drive	Hydraulic variable speed
Metal detector type	Bridge coil
Main conveyor	
Belt width	1200 mm / 47"
Discharge height	3.73 m / 12' 3"
Crusher	
Cone	Sandvik CH440 cone
Speed	327 rpm to 346 rpm
Max feed size	250 mm / 9.8"
CSS range	4 - 48 mm / 0.3" - 1.8" *
Drive	Wet clutch with PTO
Lubrication tank	
Capacity	250 litres / 66 USG

Key specifications	QH441
Tracks	
Length (centres)	3.71 m / 12' 2"
Width (shoe)	500 mm / 20"
Control	Radio / Umbilical
Power pack	
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 size	990 litres / 262 USG
Hydraulic tank size	990 litres / 262 USG
Transport dimensions	
Length	17.21 m / 56' 5"
Width	2.95 m / 9' 8"
Height	3.80 m / 12' 5"
Standard weight	52,354 kg / 115,420 lbs
Operating dimensions	
Length	16.56 m / 54' 4"
Width	3.32 m / 10' 10"
Height	4.91 m / 16' 1"
Performance	
Max feed size	250 mm / 9.8"
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	

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