

Sandvik QS332HS

Tracked cone crusher

The QS332HS model is a robust mobile gyratory cone crusher complete with modular HS323 double deck hanging screen. Designed for versatility, safety and high performance, it features the CS430 Sandvik S type gyratory cone crusher which can accept large feed sizes and achieve high production capacities.



Key benefits

Reliability

- 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 Hydroset™ 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
- Modular HS323 double deck hanging screen with patent pending adjustment system to provide a 1, 2 or 3 way split
- Open or closed circuit set-up can be achieved in less than 30 minutes

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
- Hanging screen is fully detachable without the need for additional lifting equipment
- 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
- Hanging screen is fully detachable without the need for additional lifting equipment

Sustainability

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

Technical specification

Key specifications	QS332HS
Hopper	
Capacity	5 m ³ / 6.5 yds ³
Capacity with extensions	6.5 m ³ / 8.5 yds ³
Rear loading height	3.45 m / 11' 4"
Rear loading width	2.3 m / 7' 6"
Feed conveyor	
Belt width	1000 mm / 39"
Drive	Hydraulic variable speed
Metal detector type	Bridge coil
Crusher	
Cone	Sandvik CS430 cone
Speed	346 rpm to 366 rpm
Max feed size	400 mm / 15.7"
CSS range	24 - 54 mm / 0.9" - 2" *
Drive	Wet clutch with PTO
Main conveyor	
Belt width	1000 mm / 39"
Discharge height	3.96 m / 12' 11"
Drive	Hydraulic
Hanging screen	
Model - HS323	4 m x 1.5 m / 13' x 5'
Number of decks	2
Number of bearings	2
Operating angle	20° - 24° - 27° (DD breaker deck)
Minimum mesh size	16 mm / 5/8"
Maximum mesh size	75 mm / 3"
Transfer conveyor	
Belt width	650 mm / 25.5"
Re-circ conveyor	
Belt width	500 mm / 20"
Discharge height	5.39 m / 17' 8"
Stockpile conveyor	
Belt width	500 mm / 20"
Discharge height Mo	2.94 m / 9' 6"

Key specifications	QS332HS
Fines conveyor	
Belt width	1200 mm / 47"
Discharge height	3.67 m / 12'
Lubrication tank	
Capacity	250 litres / 66 USG
Tracks	
Length (centres)	4.05 m / 13' 3"
Width (shoe)	500 mm / 20"
Control	Radio / Umbilical
Power pack	
Engine	CAT C9.3B Stage 5 / T4F 280 kW / 375 hp CAT C9 T3 261 kW / 350 hp
Diesel tank capacity	660 litres / 174 USG
Hyd tank capacity	660 litres / 174 USG
Transport dimensions	
Length	19.42 m / 63' 7"
Width	3.54 m / 11' 6"
Height	3.80 m / 12' 5"
Standard weight	52,500 kg / 115,742 lbs
Operating dimensions	
Length	19.34 m / 63' 5"
Closed circuit width	8.46 m / 27' 9"
Open circuit width	16.46 m / 54'
Height	5.82 m / 19' 1"
Performance	
Max feed size	400 mm / 15.7"
Capacity (up to)	344 tph / 379 stph *
Travel speed	0-1 km/h / 0-062 mph
Max incline / Side to side	16° / 10°

Note. All weights and dimensions are for standard units only

Standard specification

- Feed conveyor belt including heavy duty impact bed
- Feed hopper with wear resistant liner
- Folding hopper extensions for rear loading
- Main conveyor complete with dust covers
- Metal detector (over and under)
- Tool kit
- Light mast and cabinet lights
- Pull stop cords

- Camera on crusher feed hopper
- Level sensor on crushing chamber
- Dust suppression spray bars
- Remote diesel pump
- Radio control tracking, proportional
- Hydraulic water pump
- My Fleet telematics with 7 year data subscription

* Application specific. Please contact a Sandvik representative for clarification on specifications and options
Sandvik reserves the right to make changes to the information on this data sheet without prior notification to users