

Sandvik QH332HS

Tracked cone crusher

The QH332HS model is a robust mobile cone crusher complete with modular HS323 double deck hanging screen. Designed for versatility, safety and high performance, it features the market leading Sandvik CH430 cone crusher, and comes with a number of features to ensure maximum uptime and minimum operator intervention.



Key benefits

Reliability

- Market leading Sandvik CH430 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 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
- No crusher backing required which allows the crusher to operate immediately after a liner change
- 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

Sustainability

- Latest emissions compliant Stage V engine for reduced emissions
- Dust suppression system minimizes dust emissions reducing environmental impact
- Backing less liners removes the need to use hazardous material

Technical specification

Key specifications	QH332HS
Hopper	
Capacity	5 m³ / 6.5 yds³
Capacity with extensions	6.5 m³ / 8.5 yds³
Rear loading height	3.05 m / 10"
Rear loading width	2.27 m / 7' 6"
Feed conveyor	
Belt width	1000 mm / 39"
Drive	Hydraulic variable speed
Metal detector type	Bridge coil
Crusher	
Cone	Sandvik CH430 cone
Speed	369 rpm to 390 rpm
Max feed size	214 mm / 8.4"
CSS range	4 - 41 mm / 0.2 - 1.6" *
Drive	Wet clutch with PTO
Extended main conveyor	
Belt width	1000 mm / 39"
Discharge height	3.94 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"

Key specifications	QH332HS
Stockpile conveyor	
Belt width	500 mm / 20"
Discharge height	2.94 m / 9' 6"
Fines conveyor	
Belt width	1200 mm / 47"
Discharge height	3.67 m / 12'
Lubrication tank	
Capacity	250 litres / 66 USG
Tracks	
Length (centres)	4.2 m / 13' 9"
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 CAT NR4 (China) 280 kW / 375 hp
Diesel tank capacity	660 litres / 174 USG
Hyd tank capacity	660 litres / 174 USG
Transport dimensions	
Length	19.42 m / 63' 7"
Width	3.51 m / 11' 5"
Height	3.40 m / 11' 2"
Standard weight	48,500 kg / 106,924 lbs
Operating dimensions	
Length	19.23 m / 63' 1"
Closed circuit width	8.45 m / 27' 9"
Open circuit width	16.46 m / 54'
Height	5.81 m / 19'
Performance	
Max feed size	214 mm / 8.4"
Capacity (up to)	220 tph / 242 stph *
Travel speed	0 - 1 / 0 - 0.62 mph
Max incline / Side to side	16° / 10°
Note. All weights and dimensions are for standard units only	

Standard specification

- Feed conveyor belt complete with roller 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
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