

Sandvik QI341HS

Tracked HSI crusher

The QI341HS is a compact, cost effective tracked impactor complete with single deck HS311 hanging screen. Featuring the Sandvik market leading Prisec™ technology, it is capable of operating in primary and secondary applications, and has been designed with productivity, safety and user friendliness at its core.



Key benefits

Reliability

- Market leading Sandvik C1611 Prisec™ impact chamber for unrivalled flexibility and performance
- Patented adjustment / braking system for relieving blockages whilst in operation, thereby maximizing uptime
- Rock box and under pan feeder featuring wear resistant liners for extended wear life
- Premium components selected throughout and FEA analysis on structural parts for durability
- Steel pipe work used extensively to give superior heat dissipation and maximum reliability
- Capable of operating in the most hostile environments

Productivity

- Adjustable apron curtains and tip speed enable a wide range of end product gradations to be achieved
- Load sensing system for feeder drive ensures continuous crushing
- Pre-screen with choice of screen media for effective removal of fines, thereby maximizing throughput and reducing wear
- Selection of hammers to suit 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
- Single deck HS311 hanging screen to provide a 1 or 2 way split

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

Safety

- Patented rotor locking and positioning device for quick and safe maintenance
- Unique 4 key trapped system to ensure safe inspection after the rotor has stopped turning
- Includes integrated lifting jib, chain hoist and lifting cradle for safe removal, rotation and fitment of hammers
- 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
- Rock box and underpan feeder featuring wear resistant liners for extended wear life

Technical specification

Key specifications	QI341HS
Hopper	
Width	1.8 m / 5' 11"
Length	3.66 m / 12' 0"
Capacity	3.6 m ³ / 4.7 yd ³
Primary feeder	
Wear resistant lined feeder	910 mm x 2330 mm / 3' x 7' 8"
Drive	Hydraulic variable speed
Pre screen	
Type	Double deck
Screen size	1520 mm x 980 mm / 5' 0" x 3' 2"
Bottom deck mesh	1020 mm x 980 mm / 3' 4" x 3' 2"
Punch plate	40 mm / 1 1/2"
Under screen mesh	20 mm / 3/4"
Impactor	
Type	Sandvik CI611 HSI
Feed opening	992 mm x 670 mm / 39" x 26"
Hydraulic inlet opening	992 mm x 830 mm / 39" x 32"
Variable speed 4 bar rotor	1000 mm / 39" diameter
2 aprons	Hydraulic assist
Main conveyor	
Belt width	1000 mm / 39"
Discharge height	3.76 m / 12' 4"
Hanging screen	
Model - HS311	4 m 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"
Underpan feeder	
Type	Spring mounted stepped vibrating feeder
Width	830 mm / 32"
Length	2.04 m / 6' 8"
Transfer conveyor	
Belt width	500 mm / 20"
Re-circ conveyor	
Belt width	500 mm / 20"
Discharge height	4.58 m / 15'
Fines conveyor	
Belt width	1200 mm / 47"
Discharge height	3.46 m / 11' 4"

Standard specification

- Primary pan feeder
- Vibrating pre-screen
- Underpan feeder
- Natural fines conveyor *
- Folding main conveyor complete with dust covers
- Single pole overband magnet
- Tool kit
- Light mast and cabinet lights

Key specifications	QI341HS
Magnet	
Model	Single pole overband magnet
Type	Self cleaning suspended
Natural fines conveyor	
Belt width	650 mm / 26"
Discharge height *	2.63 m / 8' 8"
Tracks	
Length (centres)	3.8 m / 12' 6"
Width (shoe)	400 mm / 16"
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 size	660 litres / 174 USG
Hydraulic tank size	660 litres / 174 USG
Drive type	Direct wet clutch drive
Transport dimensions	
Length	17.02 m / 55' 9"
Width	3.00 m / 9' 8"
Height	3.52 m / 11' 5"
Standard weight	48,054 kg / 105,940 lbs
Operating dimensions	
Length	17.76 m / 58' 3"
Width	10.48 m / 34' 4"
Height	4.59 m / 15'
Performance	
Max feed size	600 mm / 24"
Capacity (up to)	300 tph / 330 stph **
Travel speed	1.1 km/h / 0.68 mph
Max incline / Side to side	20° / 10°

Note. All weights and dimensions are for standard units only

- Pull stop cords on all conveyors *
- Dust suppression spray bars
- Hopper extensions for rear loading
- Remote diesel pump *
- Radio control tracking, proportional
- Hydraulic water pump *
- Hydraulic jacking legs
- My Fleet telematics with 7 year data subscription

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