SANDVIK QI341
MOBILE HSI CRUSHER

TECHNICAL SPECIFICATION

The QI341 is a compact, cost effective tracked impactor featuring the Sandvik market leading Prisec™ technology. Capable of operating in primary and secondary applications, it has been designed with productivity, safety and user friendliness at its core.

KEY BENEFITS

Reliability	- Market leading Sandvik CI611 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 - Available with single deck hanging screen to provide a 1 or 2 way split (see QI341 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
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



KEY SPECIFICATIONS	QI341
Hopper	
Width	1800 mm / 5′ 11″
Length	3660 mm / 12′ 0″
Capacity	3.6 m³ / 4.7 yd³
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 ½″
Under screen mesh	20 mm / ¾″
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	3760 mm / 12′ 4″
Underpan feeder	
Type	Spring mounted stepped vibrating feeder
Width	830 mm / 32″
Length	2040 mm / 6′ 8″

KEY SPECIFICATIONS	QI341
Magnet	
Model	Single pole overband magnet
Type	Self cleaning suspended
Natural fines conveyor	
Belt width	650 mm / 26″
Discharge height	2630 mm / 8′ 8″
Tracks	
Length (centres)	3800 mm / 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	14.08 m / 46′ 2″
Width	2.50 m / 8′ 2″
Height	3.40 m / 11′ 2″
Weight	40,276 kg / 88,793 lbs
Operating dimensions	
Length	14.72 m / 48′ 3″
Width	5.52 m / 18′ 1″
Height	4.11 m / 13′ 6″
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

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
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

For option availability please speak with your local Sandvik representative

* 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

ROCKPROCESSING.SANDVIK

© Sandvik 2022 SANDVIK is a registered trademark owned by Sandvik Intellectual Property AB in Sweden and other countries. Subject to change without notice.