



QI341 HSI IMPACTOR PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

Built utilizing Sandvik's market leading CI611 Prisec crusher, the QI341 is the most versatile, compact mobile impactor in the market today. Capable of operating in primary and secondary applications, it has been designed with productivity, mobility, minimal environmental impact and user friendliness at its core.

This newly developed impactor comes with a host of innovations for efficiency and improved efficiency and greater safety during maintenance. This includes a new patented rotor locking and positioning device for controlled rotor movement during maintenance.

KEY BENEFITS

- The Sandvik Prisec impactor is the most flexible impactor currently available on the market designed to meet tight end product specifications.
- The machine is fitted with a pre-screen to ensure maximum scalping capability in order to prevent any undersize material passing through the impactor, thereby maximising throughput and reducing wear costs. This also allows a specified sized product to be produced from the natural fines conveyor.
- The QI341 is fitted with an underpan feeder which drastically reduces any spillage issues generally

associated with impact crushers. The underpan feeder eliminates the need for skirt rubbers that are normally situated in the severe impact zone of a feed boot.

- The underpan feeder also protects the conveyor belt from high velocity material from the rotor. This material is contained on the wear resistant underpan feeder liners and gently delivered onto the conveyor belt.
- Two hydraulically adjustable apron curtains can be positioned to facilitate the machine's operation as a Primary impactor, however they can also be repositioned to operate as a Secondary impactor to produce much smaller end products.
- All of the above combined with the variable engine speed which gives a tip speed range of 32 m/s to 40 m/s resulting in a wide range product gradations being achievable.
- Capable of operating in the most hostile environments with a 50°C ambient temperature capability without any oil changes.
- Single pole overband magnet.
- Available with optional single deck hanging screen.
- Fitted with My Fleet remote monitoring system as standard for live monitoring of plant, hours, location, etc.



KEY SPECIFICATIONS	QI341
Hopper	
Width	1800 mm / 5' 11"
Length	3660 mm / 12' 0"
Capacity (heaped)	3.6 m ³ / 4.7 yd ³
Primary Feeder	
Wear resistant lined feeder	910 mm x 2330 mm / 3' x 7' 8"
Hydraulic drive variable speed	550 rpm to 1000 rpm
Twin eccentric shaft	Oil lubrication
Pre screen	
Type	Double Deck
Top deck	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 Prisec Impactor
Feed opening	992 mm x 670 mm / 39" x 26"
Hydraulic inlet opening	992 mm x 830 mm / 39" x 32"
4 Bar rotor	1005 mm / 39"
Rotor speed (variable)	573 - 707 rpm
Tip speed (variable)	30 - 37 m/s / 98 - 121 ft/s
2 aprons	Hydraulic assist
Main conveyor	
Belt width	1000 mm / 39"
Discharge height	3762 mm / 12' 4"
Underpan feeder	
Type	Spring mounted stepped vibrating feeder
Width	830 mm / 32"
Length	2040 mm / 6' 8"

KEY SPECIFICATIONS	QI341
Tracks	
Length (centres)	3800 mm / 12' 6"
Width (shoe)	400 mm / 16"
Control	Radio / Umbilical
Power pack	
Engine	CAT C9 T3 261 kW / 350 hp CAT C9.3 Stage 5 / T4F 280 kW / 375 hp
Diesel tank size	660 litres / 174 USG
Hydraulic tank size	660 litres / 174 USG
Magnet	
Model	Overband magnetic separator
Type	Self cleaning suspended
Natural fines conveyor	
Belt width	650 mm / 26"
Discharge height	2630 mm / 8' 8"
Operating dimensions	
Length	14,720 mm / 48' 3"
Width	5520 mm / 18' 1"
Height	4110 mm / 13' 6"
Weight	38,661 kg / 85,233 lbs
Transport dimensions	
Length	14,080 mm / 46' 2"
Width	2500 mm / 8' 2"
Height	3400 mm / 11' 2"
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

Pan feeder
 Vibrating pre-screen
 Underpan feeder
 Single pole overband magnet
 Folding main conveyor complete with dust covers
 Natural fines conveyor
 Dust suppression spray bars
 Hydraulic jacking legs
 Remote diesel pump
 Tool kit
 Radio control tracking, proportional
 Light mast and cabinet lights
 Pull stop cords on all conveyors
 My Fleet telematics
 Hydraulic water pump

*For option availability please speak with your local Sandvik representative.