



QI341 PRISEC™ IMPACTOR PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

Built utilising Sandvik's market leading Prisec™ technology, 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.

The QI341 is available with an optional hanging screen system, which will allow customers an even greater return on investment through the facility to produce accurately sized products for immediate use.

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 30 m/s to 37 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.



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
Amplitude	Nominal 10 mm / 3/8"
Pre screen	
Type	2 bearing, high amplitude screen 2 screening decks
Top deck	1520 mm x 980 mm / 5' 0" x 3' 2 1/2"
Bottom deck mesh	1020 mm x 980 mm / 3' 4" x 3' 2 1/2"
Amplitude	10 mm / 3/8"
Speed	990 rpm
Punch plate	40 mm / 1 1/2"
Underscreen mesh	20 mm / 3/4"
Impactor	
Sandvik CI411 Prisec™ Impactor	
Feed opening	992 mm x 670 mm / 39" x 26 1/2"
Hydraulic inlet opening	992 mm x 830 mm / 39" x 32 1/2"
4 Bar rotor	1005 mm / 39 1/2"
Rotor speed (variable)	573 - 707 rpm
Tip speed (variable)	30 - 37 m/s / 98 - 121 ft/s
2 aprons	Hydraulic assist
Rotor width	950 mm / 37 1/2"
Main conveyor	
Belt width	1000 mm / 39 1/2"
Belt length (endless)	18940 mm / 62' 2"
Discharge height	3762 mm / 12' 4"
Hydraulic drive	630 cc / 38.5 cu inch
Underpan feeder	
Type	Spring mounted stepped vibrating feeder
Width	830 mm / 32 1/2"
Length	2040 mm / 6' 8"
Hydraulic drive	2 x 32.9 cc / 2 x 2.0 cu inch
Feeder liner	Wear resistant steel
Amplitude	9 mm / 3/8"
Speed	960 rpm

OPTIONS

Hopper extensions for rear loading
Hopper extensions for rear loading with wear resistant liners
Hopper extensions for rear loading with rubber liners
Hopper wear resistant liner plates back and sides
Hopper high impact Sandvik rubber liners back and sides
Pre screen grizzly spacing option
Pre screen top deck punch plate - 60, 80, 100 mm
Pre screen open aperture bottom rubber to feed natural fines conveyor (high fines / sticky applications)
Mesh underscreen 30, 40, 50 mm
Central auto lube (crusher)
Central auto lube (conveyors)
Water pump (Hydraulic)
Arctic package - 20°C (-4°F) (32 grade hyd oil & engine oil)
Arctic package -30°C (-22°F) (arctic hyd oil, engine oil, webasto coolant heater)

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KEY SPECIFICATIONS	QI341
Tracks	
Length (centres)	3800 mm / 12' 6"
Width (shoe)	400 mm / 15 3/4"
Drive	Hydraulic motors / Gearbox
Control	Radio / Umbilical
Power pack	
Engine	Stage 3A / Tier 3 CAT C9 Acert / Stage 3B / Tier 4i CAT C9.3 Acert / Stage 4 / Tier 4 Final CAT C9.3 Acert
Engine Power	261 kW / 350 hp
Diesel tank size	660 litres / 174 USG
Hydraulic tank size	660 litres / 174 USG
Magnet	
Model	Eriez CP20/80-SC2
Weight	800 kg / 1764 lbs
Belt width	750 mm / 29 1/2"
Length	2450 mm / 8'
Type	Self cleaning suspended
Twin pole high power magnet (option)	
Model	Eriez TP20/100-SC2
Belt width	750 mm / 29 1/2"
Height from belt	Adjustable
Type	Self cleaning
Weight	1434 kg / 3162 lbs
Natural fines conveyor (option)	
Belt width	650 mm / 25 1/2"
Belt length (endless)	9720 mm / 31' 11"
Discharge height	2630 mm / 8' 8"
Hydraulic drive	400 cc / 24.4 cu inch
Operating dimensions	
Length	14.72 m / 48' 3"
Width	2.91 m / 9' 7"
Height	3.93 m / 12' 11"
Transport dimensions	
Length	14.08 m / 46' 2"
Width	2.50 m / 8' 2"
Height	3.40 m / 11' 2"
Weight	37,200 kg / 82,012 lbs
Performance	
Max feed size	650 mm / 25 1/2"
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

Hanging screen system
Lighting mast and cabinet lights
Remote diesel pump (electric)
Pull stop cords on natural fines and main conveyor
Engine filter kit - 250 hours (air and oil filters - for 3A engines only)
Plant and engine filter kit - 500 hours
Intelligent line multi-machine communication
Main conveyor level sensor (stockpile monitor)
Natural fines conveyor
Jacking legs
Radio remote control
Heavy duty twin pole magnet
No overband magnet

