



# QI341HS PRISEC™ IMPACTOR PIONEERING SOLUTIONS FOR YOU

## TECHNICAL SPECIFICATION

**Built utilizing Sandvik's market leading Prisec™ technology, the QI341HS 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 QI341HS 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 QI341HS 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.
- Jacking legs for increased stability and ease of maintenance.
- Overband magnet.



KEY SPECIFICATIONS	QI341 HS
<b>Hopper</b>	
Width	1800 mm / 5' 11"
Length	3660 mm / 12' 0"
Capacity (heaped)	3.6 m <sup>3</sup> / 4.7 yd <sup>3</sup>
<b>Primary feeder</b>	
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 / ¾"
<b>Pre screen</b>	
Type	2 Bearing, high amplitude screen 2 screening decks
Top deck	1520 mm x 980 mm / 5' 0" x 3' 2 ½"
Bottom deck mesh	1020 mm x 980 mm / 3' 4" x 3' 2 ½"
Amplitude	10 mm / ¾"
Speed	990 rpm
Punch plate	40 mm / 1 ½"
Underscreen mesh	20 mm / ¾"
<b>Impactor</b>	
Sandvik CI411 Priset™ Impactor	
Feed opening	992 mm x 670 mm / 39" x 26 ½"
Hydraulic inlet opening	992 mm x 830 mm / 39" x 32 ½"
4 Bar rotor	1005 mm / 39 ½"
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 ½"
<b>Main conveyor</b>	
Belt width	1000 mm / 39 ½"
Belt length (endless)	18940 mm / 62' 2"
Discharge height	3762 mm / 12' 4"
Hydraulic drive	630 cc / 38.5 cu inch
<b>Underpan feeder</b>	
Type	Spring mounted stepped vibrating feeder
Width	830 mm / 32 ½"
Length	2040 mm / 6' 8"
Hydraulic drive	2 x 30 cc / 2 x 1.93 cu inch
Feeder liner	Wear resistant steel
Amplitude	9 mm / ¾"
Speed	960 rpm
<b>Screen box</b>	
Type	2 Bearing, single deck screen box
Top deck	4000 x 1525 mm / 13' x 5'
<b>Fines conveyor</b>	
Belt width	1200 mm / 47 ¼"
Discharge height	3460 mm / 11' 4"
Belt length	12800 mm / 42' 0"
Drive	Hyd
Motor CC	800 cc / 48.8 cu inch

## OPTIONS

Hopper extensions for rear loading  
Wear resistant hopper liner plates back and sides  
Pre screen grizzly spacing option 20 - 50 mm, 35 - 55 mm  
Pre screen top deck punch plate 60, 80, 100 mm  
Mesh underscreen 30, 40, 50 mm  
Central auto lube (crusher bearings only)  
Central auto lube HS (HS conveyors excluding screen bearings)  
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)  
Fines conveyor level sensor (stockpile monitor)

KEY SPECIFICATIONS	QI341 HS
<b>Transfer conveyor(s)</b>	
Belt width	500 mm / 19 ¾"
Belt length	5000 mm / 16' 5"
Drive	Hyd
Motor CC	315 cc / 19.2 cu inch
<b>Recirculating conveyor</b>	
Belt width	500 mm (CH) / 19 ¾"
Discharge height	4580 mm / 15'
Belt length	18,050 mm / 59' 3"
Drive	Hyd
Motor CC	500 cc / 30.5 cu inch
Weight	1125 kg / 2480 lbs
<b>Power pack</b>	
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
<b>Tracks</b>	
Length (centres)	3800 mm / 12' 6"
Width (shoe)	400 mm / 15 ¾"
Drive	Hydraulic motors / Gearbox
Control	Radio / Umbilical
<b>Magnet</b>	
Model	Eriez CP20/80-SC2
Weight	800 kg / 1764 lbs
Belt width	750 mm / 29 ½"
Type	Self cleaning suspended
<b>Natural fines conveyor (option)</b>	
Belt width	650 mm / 25 ½"
Belt length (endless)	9720 mm / 31' 11"
Discharge height	2630 mm / 8' 8"
Hydraulic drive	400 cc / 24.4 cu inch
<b>HS operating dimensions</b>	
Length HS	17.76 m / 58' 3"
Width HS	3.41 m / 11' 2"
Width HS (including NF conveyor)	5.52 m / 18' 1"
Operation height HS	4.58 m / 15'
<b>HS transport dimensions</b>	
Length HS	17.02 m / 55' 9"
Width	3.0 m / 9' 10"
Height HS	3.52 m / 11' 6"
Weight HS	44,978 kg / 99,160 lbs
<b>Performance</b>	
Max feed size	600 mm / 23 ½"
Capacity (up to)	300 tph / 330 stph
Travel speed	1.1 km/h / 0.68 mph
Max incline / Side to side	9° / 10°

Note. All weights and dimensions are for standard units only

Lighting mast and cabinet lights  
Remote diesel pump (electric)  
Pull stop cords on the main conveyor and natural fines  
Pull stop cords on the recirc and fines 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  
Natural fines conveyor  
Radio remote control  
Heavy duty twin pole magnet  
No overband magnet

