Built utilising 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.
## KEY SPECIFICATIONS

### QI341 HS

**Hopper**
- **Width**: 1800 mm / 5' 11"
- **Length**: 3660 mm / 12' 0"
- **Capacity (heaped)**: 3.6 m³ / 4.7 yd³

**Primary Feeder**
- **Wear resistant lined feeder**
- **Hydraulic drive variable speed Twin eccentric shaft**
- **Amplitude**: Nominal 10 mm / ⅛"

**Pre screen**
- **Type**: 2 Bearing, high amplitude screen
- **Bottom deck mesh**: 910 mm / 3' x 2 ½"
- **Amplitude**: 10 mm / ⅛"
- **Speed**: 990 rpm
- **Punch plate**: 40 mm / 1 ½"
- **Underscreen mesh**: 20 mm / ¾"

**Impactor**
- **Sandvik CI411 Prisec™ Impactor**
- **Feed opening**: 992 mm x 670 mm / 33 x 26 ½"
- **Hydraulic inlet opening**: 992 mm x 680 mm / 33 x 27 ½"
- **4 Bar rotor**: 1006 mm / 39 ½"
- **Tip speed (variable)**: 2 aprons
- **Rotor width**: 950 mm / 37 ½"

**Main conveyor**
- **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

**Underpan feeder**
- **Type**: Spring mounted stepped vibrating feeder
- **Width**: 830 mm / 32 ½"
- **Length**: 2040 mm / 6' 8"
- **Hydraulic drive**: 3 x 32.9 cc / 2 x 2.0 cu inch
- **Feeder liner**: Wear resistant steel
- **Amplitude**: 9 mm / ⅛"
- **Speed**: 960 rpm

**Screen box**
- **Type**: 2 Bearing, single deck screen box
- **Top deck (screen box 1)**: 3962 x 1525 mm / 13' x 5'

**Fines conveyor**
- **Belt width**: 1200 mm / 47 ½"
- **Discharge height**: 3460 mm / 11' 4"
- **Belt length**: 12800 mm / 42' 0"
- **Drive**: Hyd
- **Motor CC**: 800 cc / 48.8 cu inch

### Transfer conveyor(s)
- **Belt width**: 500 mm / 19 ¼"
- **Belt length**: 5000 mm / 16' 5"
- **Drive**: Hyd
- **Motor CC**: 315 cc / 19.2 cu inch

### Recirculating conveyor
- **Belt width**: 500 mm / 19 ¼"
- **Discharge height**: 4580 mm / 15'
- **Belt length**: 18050 mm / 59' 3"
- **Drive**: Hyd
- **Motor CC**: 500 cc / 30.5 cu inch
- **Weight**: 1125 kg / 2480 lbs

### Power pack
- **Engine**: Stage 3A / Tier 3 CAT C9 Acert / Stage 3B / Tier 4i CAT C9.3 Acert
- **Engine power**: 261 kW / 350 hp
- **Diesel tank size**: 660 litres / 174 USG
- **Hydraulic tank size**: 660 litres / 174 USG

### Tracks
- **Length (centre)**: 3800 mm / 12' 6"
- **Width (shoe)**: 400 mm / 15 ¼"
- **Drive**: Hydraulic motors / Gearbox
- **Control**: Radio / Umbilical

### Magnet
- **Model**: Eriez CP20/80-SC2
- **Weight**: 800 kg / 1764 lbs
- **Belt width**: 750 mm / 29 ½"
- **Length**: 2450 mm / 8'
- **Type**: Self cleaning suspended

### HS Operating dimensions
- **Length HS**: 17.76 m / 58' 3"
- **Width HS**: 3.41 m / 11' 2"
- **Width HS (stockpile + NF conveyor)**: 10.55 m / 34' 7"
- **Operation height HS**: 4.58 m / 15'

### HS Transport dimensions
- **Length HS**: 17.02 m / 55' 9"
- **Width HS**: 3.0 m / 9' 10"
- **Height HS**: 3.52 m / 11' 6"
- **Weight HS**: 44,978 kg / 99,160 lbs

*Note. All weights and dimensions are for standard units only*

## 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**
- **Mesh underscreen**
- **Central auto lube (crusher)**
- **Central auto lube (conveyors including hanging screen)**
- **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)**
- **Tail conveyor level sensor (Hanging Screen only)**

**Lighting mast and cabinet lights**

**Remote diesel pump (electric)**

**Pull stop cords on natural fines and main conveyor**

**Pull stop cords on recirc and tail 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**

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