

# Powerscreen® H6203

## 3 Deck Horizontal Screen

Specification- Rev 10. 01/01/2017

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## Specification

		<b>Belt Feeder</b>
<b>Total weight</b>		46,700kg (102,955lbs)*
<b>Transport</b>	<b>Length</b>	19.6m (64' 3")
	<b>Width</b>	3.2m (10' 6")
	<b>Height</b>	3.6m (11' 10")
<b>Working</b>	<b>Length</b>	18.85m (61' 10")
	<b>Width</b>	16.25m (53' 3")
	<b>Height</b>	4.8m (15' 9")
<b>Screenunit</b>		6.1m x 1.93m (20' x 6' 4")
<b>Powerunit</b>		Diesel / Hydraulic
<b>Plant Colour</b>		RAL 5021

## Features & Benefits

- High capacity up to 800 tph (depending on feed size, mesh size & material type)
- Maximum feed size 250mm
- Quick set-up time
- Maximum mobility with heavy duty, low ground pressure crawler tracks
- Removable heavy duty pendant remote control system
- Optional radio control system available if required
- High performance hydraulics system
- Galvanised maintenance platforms on both sides of screen
- Hydraulically folding for transport
- Heavy duty triple shaft horizontal screenbox with adjustable stroke, angle & speed
- Direct feed hopper with impact bars & rollers
- Roll-in chute system

## Applications

### Aggregate

- Sand & gravel
- Blasted rock
- River rock

### Recycling

- Top soil
- C&D waste
- Composted materials
- Wood by-products
- Overburden
- Foundry waste

### Mining

- Processed ores
- Processed minerals

### Abbreviations:

**T=Track, W=Wheel, Std= Standard, Hyd= Hydraulic, W/O= Without, C/W= Complete with  
EXT= Extended, DDVG= Double deck vibrating grid, Inc= Including, Aux= Auxillary,  
Conv= Conveyor, \*= depending on machine specification**

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## Hopper

Target area: 5.23m (17') long x 2.7m (8' 10") wide  
Hopper capacity: 8.2m<sup>3</sup> (10.72 cu. yd.)

Feed in height: 3.4m (11' 2") (rear door lowered)  
Feed in height: 3.75m (12' 3") (rear door raised)

Hydraulic folding hopper sides  
Wear resistant steel on hopper sides



## Belt Feeder

1300mm (51") 4 ply plain belt  
Direct drive system with twin direct gearboxes  
Variable speed control  
Impact bars and 'extra heavy' duty rollers fitted beneath belt

4.36m (14' 2") drum centres  
375mm (15") drum diameter (drive)  
320mm (13") drum diameter (tail)



## Screenbox

6.1m x 1.93m (20' x 6' 3")  
3 deck triple shaft horizontal screenbox  
Oval stroke adjustable up to maximum of 19mm  
Oval stroke angle adjustable from 30° - 60°

Breaker-box with wear resistant steel replaceable wearplate  
Hi-torque screen motor mounted direct to Screenbox, pulley driven  
Marshmallow springs  
Wear plates on pipeunits

Side tensioned all decks  
Quick release wedge tensioning system (optional depending on screen media)

Roll-in chute system



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## Power unit & Hydraulics

### Engine:

Tier 3 / Stage 3A - CAT C7.1 LRC - 6 cylinder engine

### Performance:

151 kW (202hp) @ 2200rpm

### Tank Capacities:

Fuel: 597 L (158 US Gal)

Hydraulic Oil: 780 L (206 US Gal)

### Pumps:

Flywheel: Cast iron 63/63/33/33cc/rev quad

PTO pump: Cast iron 29/29cc/rev tandem

### Motors:

Belt feeder: 125cc/rev x 2

Under screen conveyor: 630cc/rev

Fines size conveyor: 500cc/rev

Upper mid size conveyor: 500cc/rev

Lower mid size conveyor: 500cc/rev

Oversize conveyor: 800cc/rev

Screen: 93cc/rev bent axis

Optional apron feeder: 400cc/rev

### Optional Diesel Engine:

Tier 4f / Stage IV CAT C7.1 6 cylinder engine developing 151kW (202hp) @ 2200rpm



## Crawler Track Data

Track width: 500mm

Gradability degrees: 26°

Two Speed Tracks: High 1.1kph (0.68 mph)  
Low: 0.55kph (0.34 mph)

Output Torque: 46,000 Nm

Flow rate: 134 Lpm



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## Underscreen Conveyor

1500mm (59") 3 ply plain belt  
Direct drive system  
Variable speed control

6.25m (20' 6") drum centres  
280mm (11") drum diameter (drive)  
270mm (10") drum diameter (tail)



## Finesize - Side Conveyor

900mm (36") 3 ply plain belt  
14° - 25° angle adjustment  
4.3m (14' 2") stockpile height (measured to drum crown)  
119m<sup>3</sup> (156 cu. yd.) stockpile capacity

Hydraulically folding  
Impact bars under feed boot  
Direct drive system  
Variable speed control

9.5m (31' 2") drum centres  
280mm (11") drum diameter (drive)  
203mm (8") drum diameter (tail)



## Mid-finesize & Mid-oversize Side Conveyors

900mm (36") 3 ply plain belt  
14° - 25° angle adjustment  
4.4m (14' 5") stockpile height (measured to drum crown)  
126m<sup>3</sup> (166 cu. yd.) stockpile capacity

Hydraulically folding  
Impact bars under feedboot  
Direct drive system  
Variable speed control

8.92m (29' 3") drum centres  
280mm (11") drum diameter (drive)  
203mm (8") drum diameter (tail)



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## Oversize - Tail Conveyor

1400mm (55") 4 ply plain belt  
10° - 25° angle adjustment  
4.0m (13' 1") stockpile height (measured to drum crown)  
95m<sup>3</sup> (124 cu. yd.) stockpile capacity

Direct drive system  
Variable speed control  
Impact bars  
Conveyor slide out system to aid screen mesh changing

5.15m (16' 10") drum centres  
280mm (11' ) drum diameter (drive)  
203mm (8") drum diameter (tail)



## Roll-In Chutes

Double deck roll in chute system  
Roll aside to enable mesh access



## Incline Apron Feeder

1300mm (51") wide  
Wear resistant feed apron  
Direct drive system with single gearbox  
Variable speed control  
4.3m (14' 1") apron centres  
c/w 4.2m tracks

## Other Options

Different coloured machine  
Auto lubrication system  
Radio controlled tracking  
Wear resistant or mild steel punch plate screens  
Roll-in bogie transport system  
Roll-in chute with hinged trap doors offering blending options between decks

Tier 4i / Stage 3B - CAT C7.1 - 6 cylinder engine developing 151kW (202hp) @2200rpm

Dual Power System c/w 4.2m track, IE3 Electric motors 75kW (100hp) and 55kW (73hp), diesel engine and integrated control system controlling either diesel-hydraulic or electric-hydraulic functions.

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## **Powerscreen Pulse**

Powerscreen Pulse is a system which allows the machine to relay data via phone networks, or by satellite when there's no cellular signal, to any device with a web browser, such as a PC, tablet or Smartphone.

Please contact the factory for further information.



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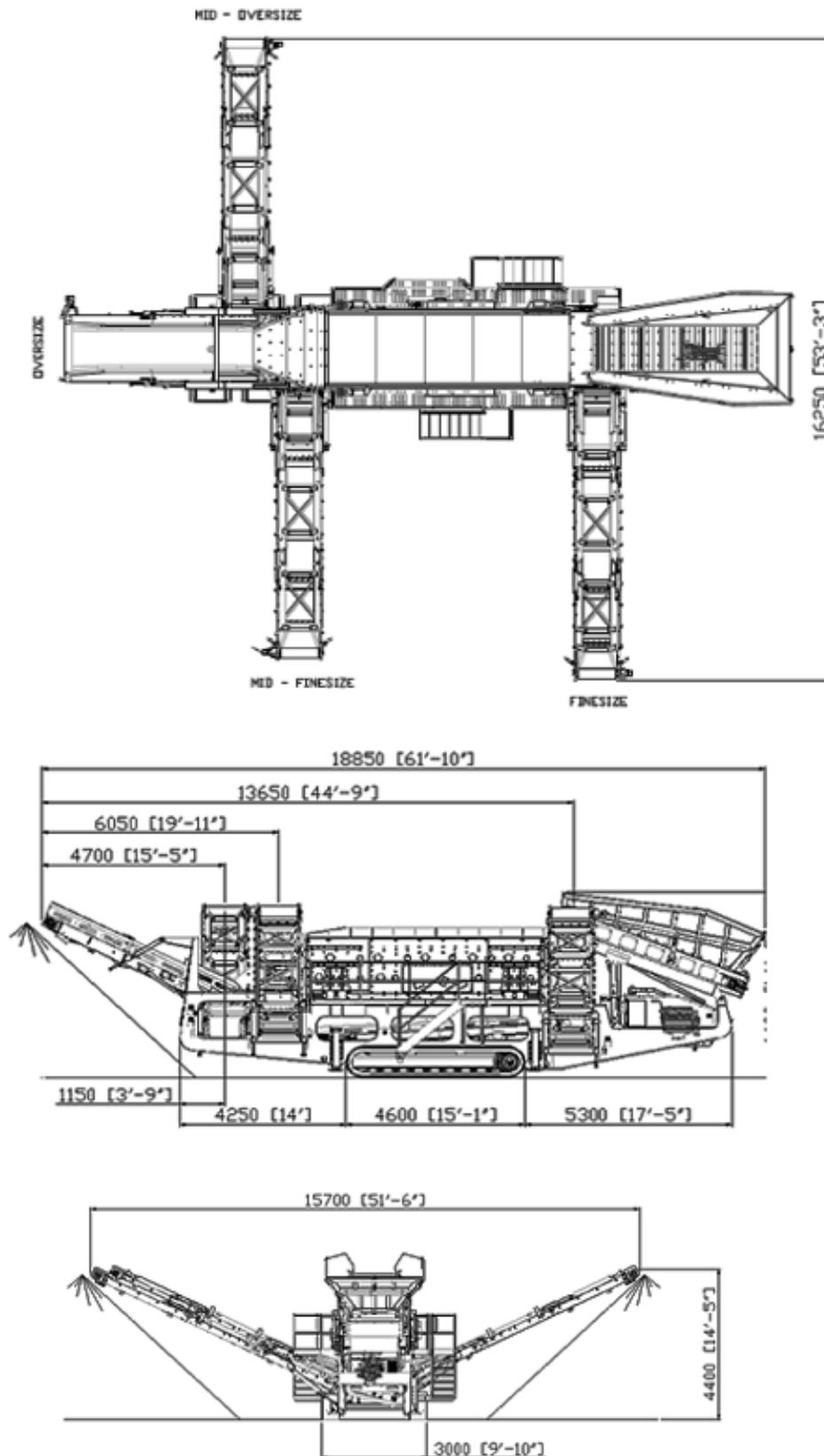


Figure 1: H6203 3 Deck Track Working Position

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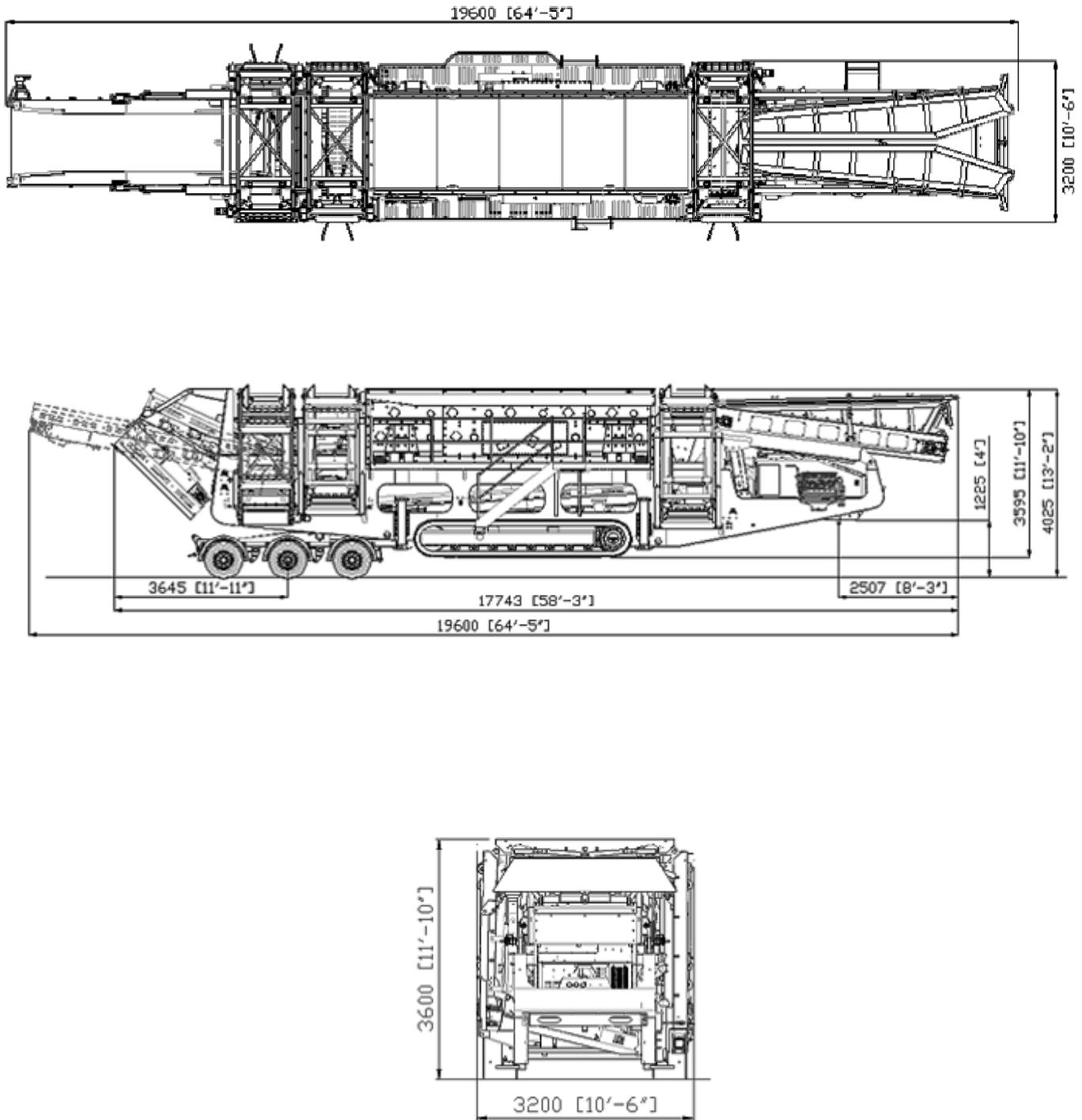


Figure 2: H6203 3 Deck Track Transport Position

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## **Powerscreen equipment complies with CE requirements.**

Please consult Powerscreen if you have any other specific requirements in respect of guarding, noise or vibration levels, dust emissions, or any other factors relevant to health and safety measures or environmental protection needs. On receipt of specific requests, we will endeavour to ascertain the need for additional equipment and, if appropriate, quote extra to contract prices.

All reasonable steps have been taken to ensure the accuracy of this publication, however due to a policy of continual product development we reserve the right to change specifications without notice.

It is the importers' responsibility to check that all equipment supplied complies with local legislation regulatory requirements.

Plant performance figures given in this brochure are for illustration purposes only and will vary depending upon various factors, including feed material gradings and characteristics. Information relating to capacity or performance contained within this publication is not intended to be, nor will be, legally binding.

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