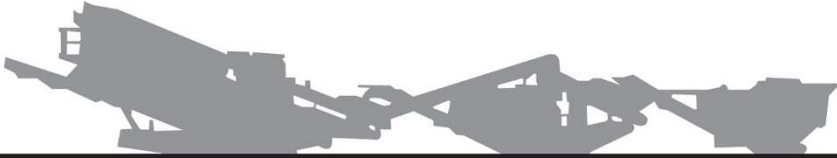


Powerscreen® H5163

3 Deck Horizontal Screen

Specification- Rev 3. 06/06/2011



Features

		Belt Feeder
Total weight		36,000kg (79,366 lbs)
Transport	Length	17.4m (57' 1")
	Width	3.1m (10' 2")
	Height	3.4m (11' 2")
Working	Length	15.6m (51' 2")
	Width	16.32m (53' 6")
	Height	5.02m (16' 6")
Screenunit		4.88m x 1.56m (16' x 5' 2")
Powerunit		Diesel / Hydraulic
Plant Colour		RAL 5021

Features & Benefits

- High capacity up to 600 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
- 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 and rollers

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= Auxiliary,
 Conv= Conveyor

All specifications subject to change without prior notice



Hopper

Target area: 5.23m (17' 2") long x 2.36m (7' 9") wide

Hopper capacity: 4.33m³ (5.67 cu. yd.)

Feed in height: 4.15m (13' 7") (side)

Feed in height: 2.69m (8' 10") (rear)

Hydraulic folding for transport

Hopper lined with replaceable wear resistant steel panels

Feeder impact protection bars

Belt Feeder

Standard duty (crusher spec with removable side)

1300mm (51") 4 ply plain trough belt

Direct drive system with twin direct gearboxes

Variable speed control

Impact bars & heavy duty rollers

fitted beneath belt

5.02m (16' 6") drum centres

375mm (15") drum diameter (drive)

320mm (13") drum diameter (tail)



Screenbox

4.88m x 1.56m (16' x 5' 2") 3 deck

Triple shaft horizontal

Side tensioned all decks

Quick release wedge tensioning system (optional depending on media)

Oval stroke adjustable up to maximum of 19mm

Oval stroke angle adjustable from 30° - 60°

Breaker-box with wear resistant replaceable wearplate

Hi-torque screen motor mounted direct to screenbox

Marshmallow springs

Wear plates on pipeunits

Fixed chutes complete with one piece wear plates per chute



Powerunit & Hydraulics

Engine:

CAT 4.4 (TIER 3) 4 cylinder diesel

Performance:

97 kW (130hp) @ 2200rpm

Tank Capacities:

Fuel: 327 L (86 US Gal)
Hydraulic Oil: 576 L (153 US Gal)

Pumps:

Flywheel pump: 63/41/41
PTO pump: 23/23

Motors:

Belt feeder: 80cc/rev x 2 of
Under screen conveyor: 500cc/rev
Fines (side) conveyor: 500cc/rev
Mid-finesize (side) conveyor: 400cc/rev
Mid-oversize (side) conveyor: 400cc/rev
Oversize (tail) conveyor: 800cc/rev
Screen: 93cc/rev

Optional heavy duty belt feeder: 125cc/rev x 2 of
Optional apron feeder: 400cc/rev

Optional Diesel Engine:

Deutz TCD2013 L04 2V - 4 cylinder turbo diesel engine developing 125 kW (168hp) @ 2200rpm



Crawler Track Data

Output torque: 36,700 Nm
Gradability degrees: 25.5°
Gearbox ratio: 1:161
Hydraulic motor: 80 cc/rev
Flow rate: 90 Lpm
Approximate speed: 0.65kph (0.4mph)
Track width: 500mm



Underscreen Conveyor

1200mm (48") 3 ply plain belt

Direct drive system

Variable speed control

5.36m (17' 7") drum centres

213mm (8") drum diameter (drive)

203mm (8") drum diameter (tail)



Finesize - Side Conveyor

800mm (32") 3 ply plain belt

Fixed 24° angle

4.12m (13' 6") stockpile height (measured to drum crown)

104m³ (136 cu. yd.) stockpile capacity

Hydraulically folding

Direct drive system

Variable speed control

8.85m (29') drum centres

280mm (11") drum diameter (drive)

270mm (11") drum diameter (tail)



Mid-finesize Side Conveyor

800mm (32") 3 ply plain belt

Fixed 24° angle

4.46m (14' 8") stockpile height (measured to drum crown)

132m³ (173 cu. yd.) stockpile capacity

Hydraulically folding

Direct drive system

Variable speed control

8.65m (28' 5") drum centres

280mm (11") drum diameter (drive)

270mm (11") drum diameter (tail)



Mid-oversize Side Conveyor

800mm (32") 3 ply plain belt
 Fixed 24° angle
 4.42m (14' 6") stockpile height (measured to drum crown)
 129m³ (169 cu. yd.) stockpile capacity
 Wear resistant steel lined feed chute
 Hydraulically folding
 Direct drive system
 Variable speed control
 7.92m (26') drum centres
 280mm (11") drum diameter (drive)
 203mm (8") drum diameter (tail)



Oversize - Tail Conveyor

1200mm (48") 3 ply chevron belt
 15° - 22° angle adjustment
 4.7m (15' 5") stockpile height (measured to drum crown)
 155m³ (203 cu. yd.) stockpile capacity
 Direct drive system
 Variable speed control
 Impact bars along entire length
 5.15m (16' 11") drum centres
 280mm (11") drum diameter (drive)
 203mm (8") drum diameter (tail)



Feeder

Incline apron feeder

1300mm (51") wide wear resistant feed apron
 Fitted with single gearbox drive
 Variable speed control
 3.39m (11' 1") apron centres

Heavy duty belt feeder

1300mm (51") 4 ply plain belt
 Direct drive system with twin direct gearboxes
 Variable speed control
 Impact bars and heavy duty rollers fitted beneath belt
 3.43m (11' 3") drum centres
 375mm (15") drum diameter (drive)
 320mm (13") drum diameter (tail)

N.B.

Both feeder options come with a larger 6.78m³ capacity hopper

Other Options

Different coloured machine
 Optional engine
 Auto lubrication system
 Radio controlled tracking
 Wear resistant or mild steel punch plate screens
 Roll-in bogie transport system

Fixed chutes with several removable panels per chute offering blending options between decks

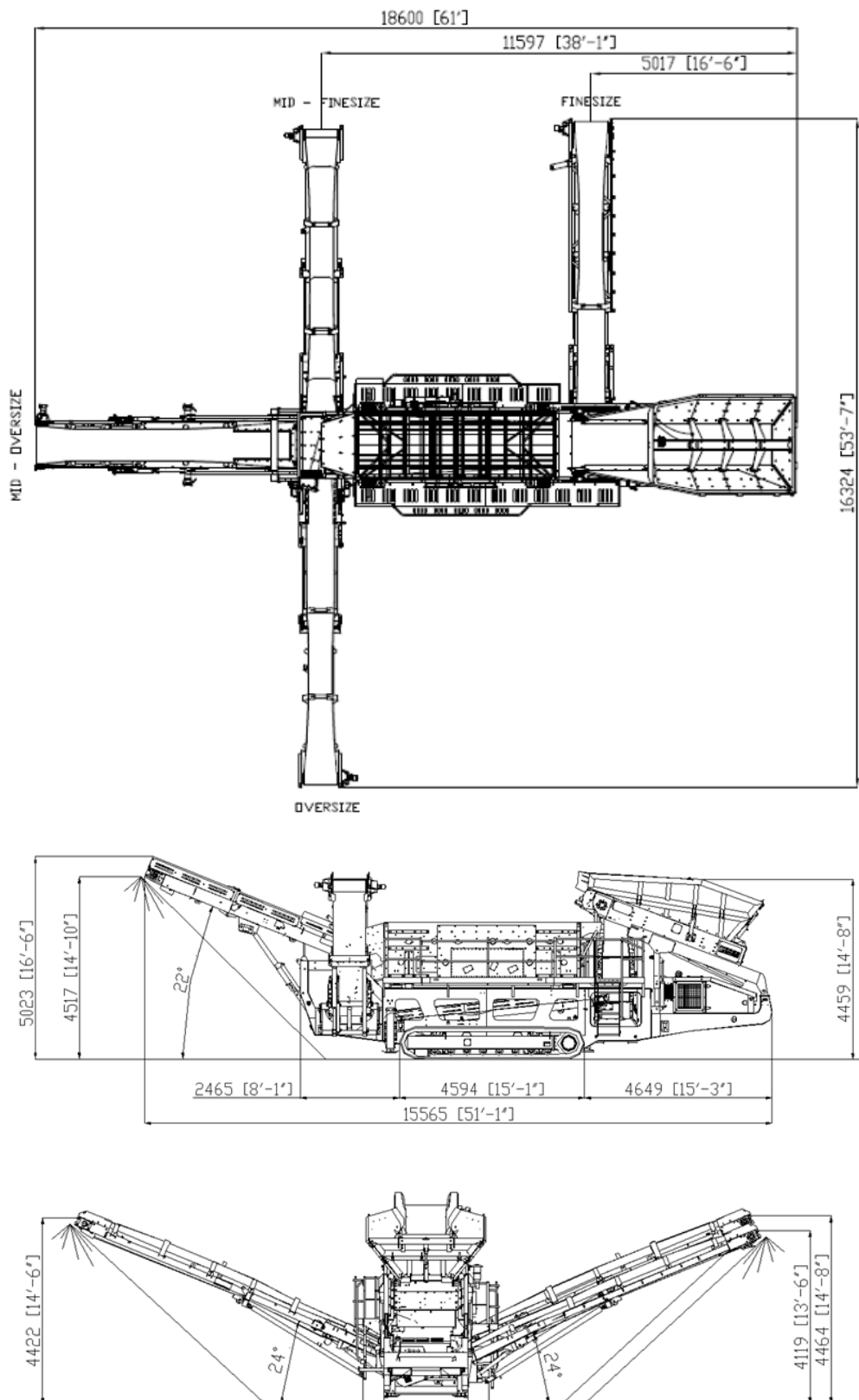
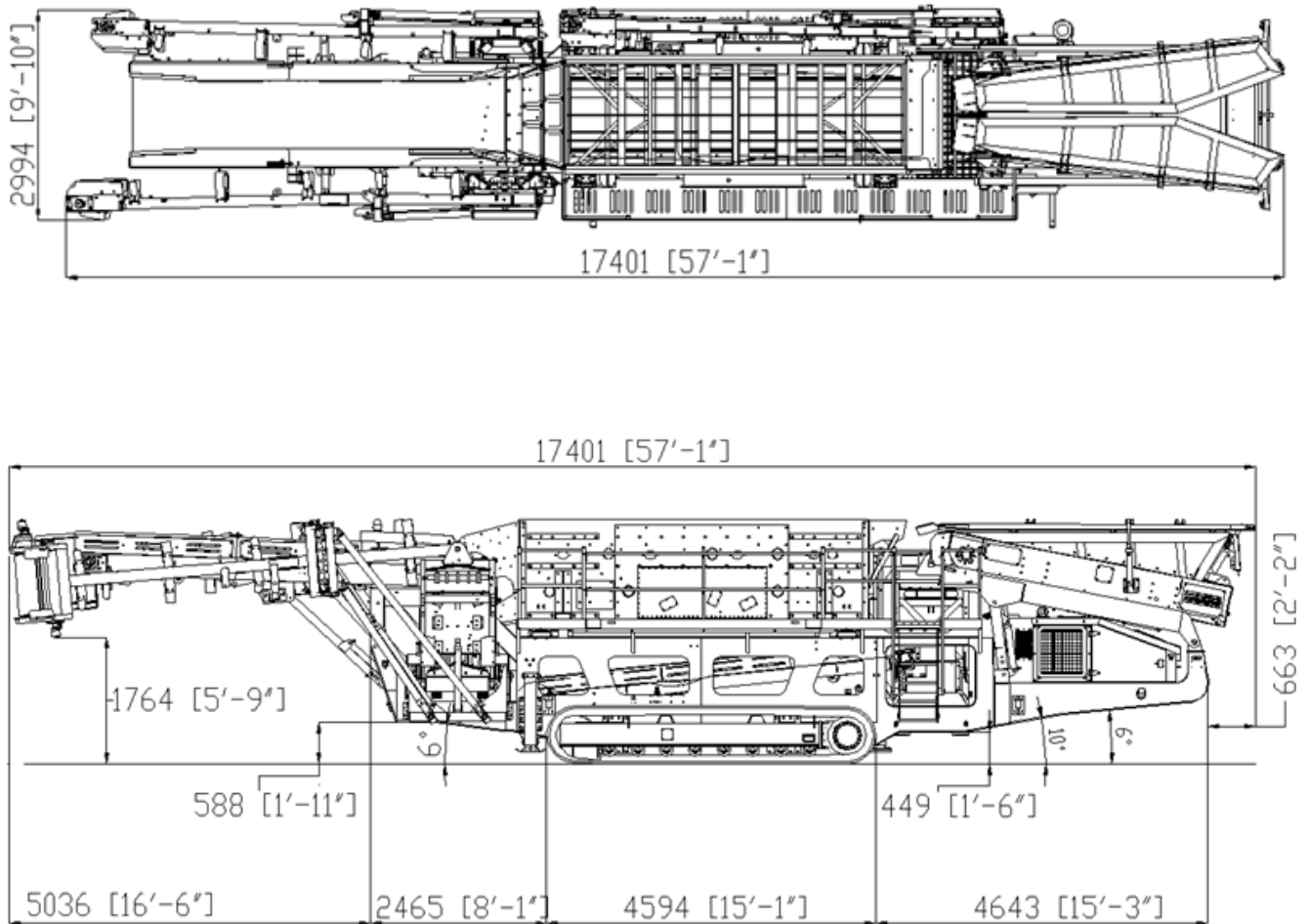


Figure 1: H5163 3 Deck Track Working Position

All specifications subject to change without prior notice





**Figure 2: H5163 3 Deck Track
Transport Position**

All specifications subject to change without prior notice



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.

Terex GB Ltd.
200 Coalisland Road
Dungannon
Co. Tyrone
Northern Ireland
BT71 4DR

Tel: +44(0) 28 8774 0701
Fax: +44(0) 28 8774 6569

E-Mail: sales@powerscreen.com
Web: www.powerscreen.com

Terex is a registered trademark of Terex Corporation in the United States of America and many other countries.
Powerscreen is a registered trademark of Terex GB Ltd in the United States of America and many other countries.

Copyright Terex Corporation 2011.