

POWERSCREEN® TITAN 600

2 DECK SECONDARY SCALPING SCREEN



TECHNICAL SPECIFICATION - REV 5 01/04/2024





TITAN 600



OVERVIEW

SPECIFICATION

Total weight	12,780kg (28,175lbs)
Transport	Length 10.98 (36') Width 2.25m (7' 5") Height 2.55m (8' 4")
Working	Length 10.55m (34' 7") Width 10.42m (34' 2") Height 3.33m (10' 11")
Screenbox	2.49m x 1.17m (8' 2" x 3' 10")
Power Unit	Diesel / Hydraulic
Plant Colour	RAL 5021, RAL 7024 & RAL 9005

(Weight & dimensions are approximate base unit values)

FEATURES & BENEFITS

- High capacity up to 280 tph / 308 US tph (depending on media sizes & material type)
- Maximum feed size 300mm (1'). Maximum allowable feed size may vary depending on material type and screenbox media
- Smart design minimises weight but retains strength and robustness
- Ultra low fuel consumption with optimised hydraulics
- Rapid conversion from 3 way split to 2 way split (fully hydraulic)
- Heavy duty single shaft incline screenbox with adjustable stroke
- Maximum mobility with heavy duty, low ground pressure tracks
- Removable heavy duty pendant remote control system (option)
- Quick set up time
- High performance hydraulic system - cast iron pumps & motors complete with hydraulic cooler
- Versatile unit for 3 way splitting, stockpiling or scalping before or after a crusher
- Simple to operate & maintain
- Variable speed hopper
- Wide range of screen media available
- Power unit featuring a longitudinal engine arrangement to aid access & serviceability
- Drop down rear hopper door to decrease feed in height
- Powerscreen Pulse Telemetry as standard

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



TITAN 600



HOPPER

Target area: 3.32m (10' 11") long x 1.84m (6') wide

Hopper capacity: 3m³ (3.9 cu. yd.)

Folding rear hopper door

Feed in height (rear) : 2.86m (9' 4")

Feed in height (rear folded) : 2.31m (7' 7")

Feed in height (side) : 3.3m (10' 11")





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HEAVY DUTY BELT FEEDER

1000mm (40") 4 ply plain belt
3.07m (10' 1") drum centres
335mm (13.2") drive drum diameter
270mm (10.6") tail drum diameter
Variable speed control
Supergrip drive drum standard





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SCREENBOX

Heavy duty 2.49m x 1.17m (8' 2" x 3' 10") 2 deck screen

Highly aggressive screen drive

2 bearing shaft arrangement complete with direct drive system

Top deck : 2.38m x 1.17m (7' 10" x 3' 10")

Bottom deck : 2.29m x 1.17m (7' 6" x 3' 10")

Side tension top deck

End tension bottom deck

Stroke: 9.5mm

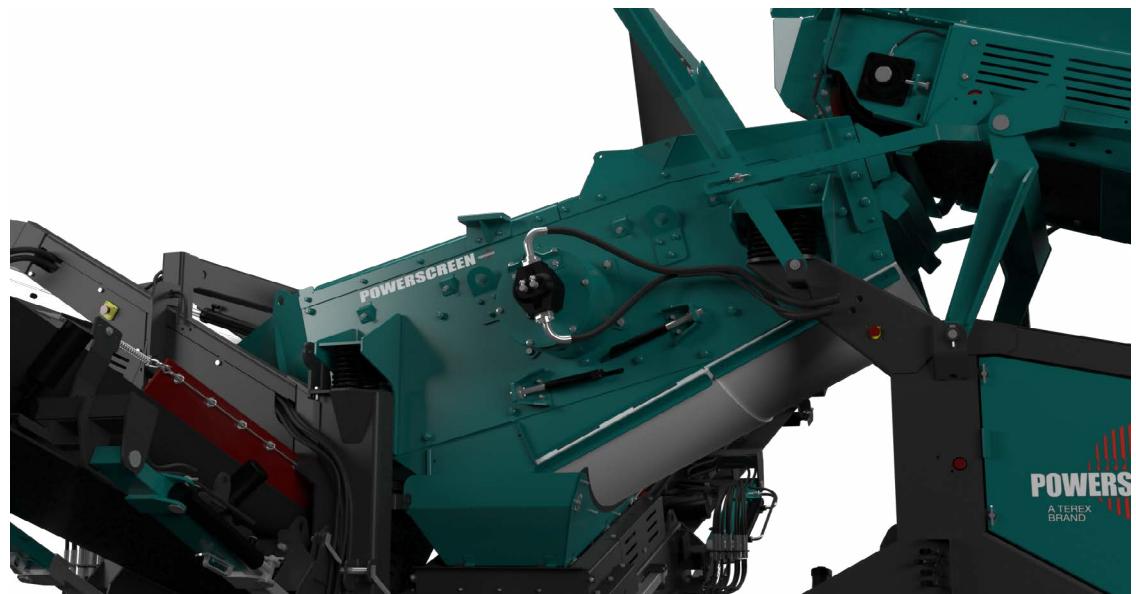
Fixed screen angle: 14°

Top deck media: bofor deck, fingers, punch plate and mesh

Bottom deck media: mesh, fingers,

Rubber screen blanket (option)

*Rigid chute attached to bottom of screenbox. This allows material passing through the bottom deck to be transferred to the fines conveyor.





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CONVEYORS

FINESIZE - SIDE CONVEYOR

650mm (26") wide 3 ply plain belt
5.9m (19' 4") drum centres
216mm (8.5") drum diameter (drive)
200mm (7.9") drum diameter (tail)
2.9m (9' 6") stockpile height
36m³ (47 cu. yd.) stockpile volume
Hydraulically folding
Variable angle: 18-25°
Impact rollers in feedboot
Folding feedboot
Self tensioning skirting extending from feedboot





TITAN 600



CONVEYORS

MIDSIZE - SIDE CONVEYOR

650mm (26") wide 3 ply plain belt
5.9m (19' 4") drum centres
216mm (8.5") drum diameter (drive)
200mm (7.9") drum diameter (tail)
2.8m (9' 2") stockpile height
33m³ (43 cu. yd.) stockpile volume
Variable speed control
Hydraulically folding
Variable angle: 18-25°
Self tensioning skirting extending from feedboot





TITAN 600



CONVEYORS

OVERSIZE - TAIL CONVEYOR

1000mm (40") wide 3 ply chevron belt

4.23m (13' 11") drum centres

216mm (8.5") drum diameter (drive)

200mm (7.9") drum diameter (tail)

2.7m (8' 10") stockpile height

29m³ (38 cu. yd.) stockpile volume

Variable speed control

Impact slips along feedboot

Fixed angle: 20°

Hydraulic adjustment for 3 way split to 2 way split conversion

Hydraulic folding option





TITAN 600



POWER UNIT & HYDRAULICS

Engine Tier 3 Equivalent:

Deutz D2011 L04I

Performance:

36.4kW (48.8 hp) @ 2300rpm

Engine Tier 4F:

Cat C2.2

Performance:

55kW (73hp) @ 2200rpm

Engine Stage V:

Cat C2.2

Performance:

55kW (73hp) @ 2200rpm

Tank Capacities:

Fuel: 145 L (38 US Gal)

Hydraulic oil: 250 L (66 US Gal)

Flywheel pump
(Tier 3):

Tandem 27/27cc/rev

Flywheel pump
(Tier 4F):

Tandem 32/32cc/rev

Motors:

Belt feeder:



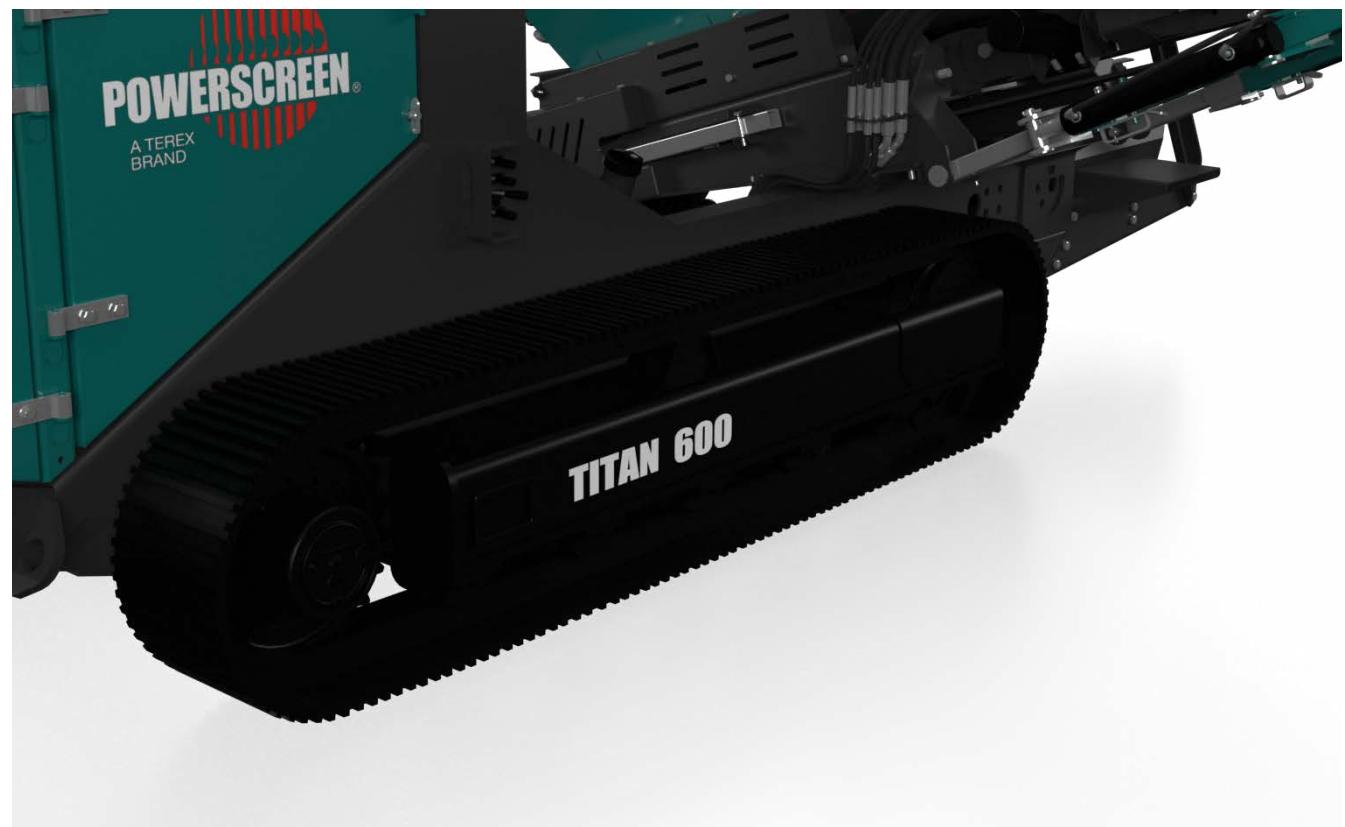


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TRACKS

Track width:	300mm (1')
Sprocket centres:	2187mm (7' 2")
Approximate speed:	1.8kph (1.12mph)
Total flow per track:	60.9 Lpm

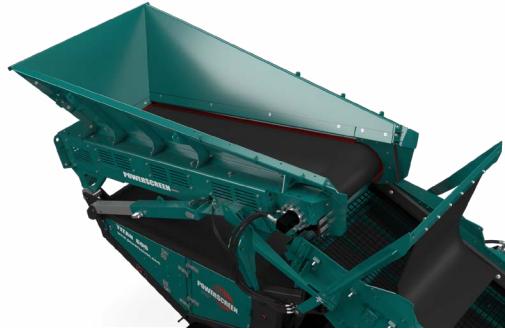




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⬇️ OPTIONS



SCREEN BLANKET

Screen blanket available to slow material progress across the top deck and also aid sticky material to pass through the screen deck

OTHER OPTIONS

- Custom colour machine
- Chevron side conveyor belts
- Auto lubrication system
- Radio controlled tracking
- Quick release wedge screen tensioning (side tensioned only)
- Wide range of screen media
- Screen blanket option
- Hydraulically folding tail conveyor





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POWERSCREEN PULSE

RECORD, DISPLAY AND ANALYSE DATA: HIGH EFFICIENCY THROUGH PRECISE INFORMATION

Available online anywhere and at any time: comprehensive information on the GPS location, start and stop times, fuel consumption, tonnages, cone settings, wear ratings, operating hours, maintenance status, and much more.

AVAILABLE ANYWHERE AND AT ANY TIME

DASHBOARD DISPLAY

FLEET OVERVIEW

WEEKLY REPORT DIRECT TO YOUR INBOX

GPS: MACHINE TRACKING

REPORTING
UTILISATION, PERFORMANCE & PART SPECIFIC

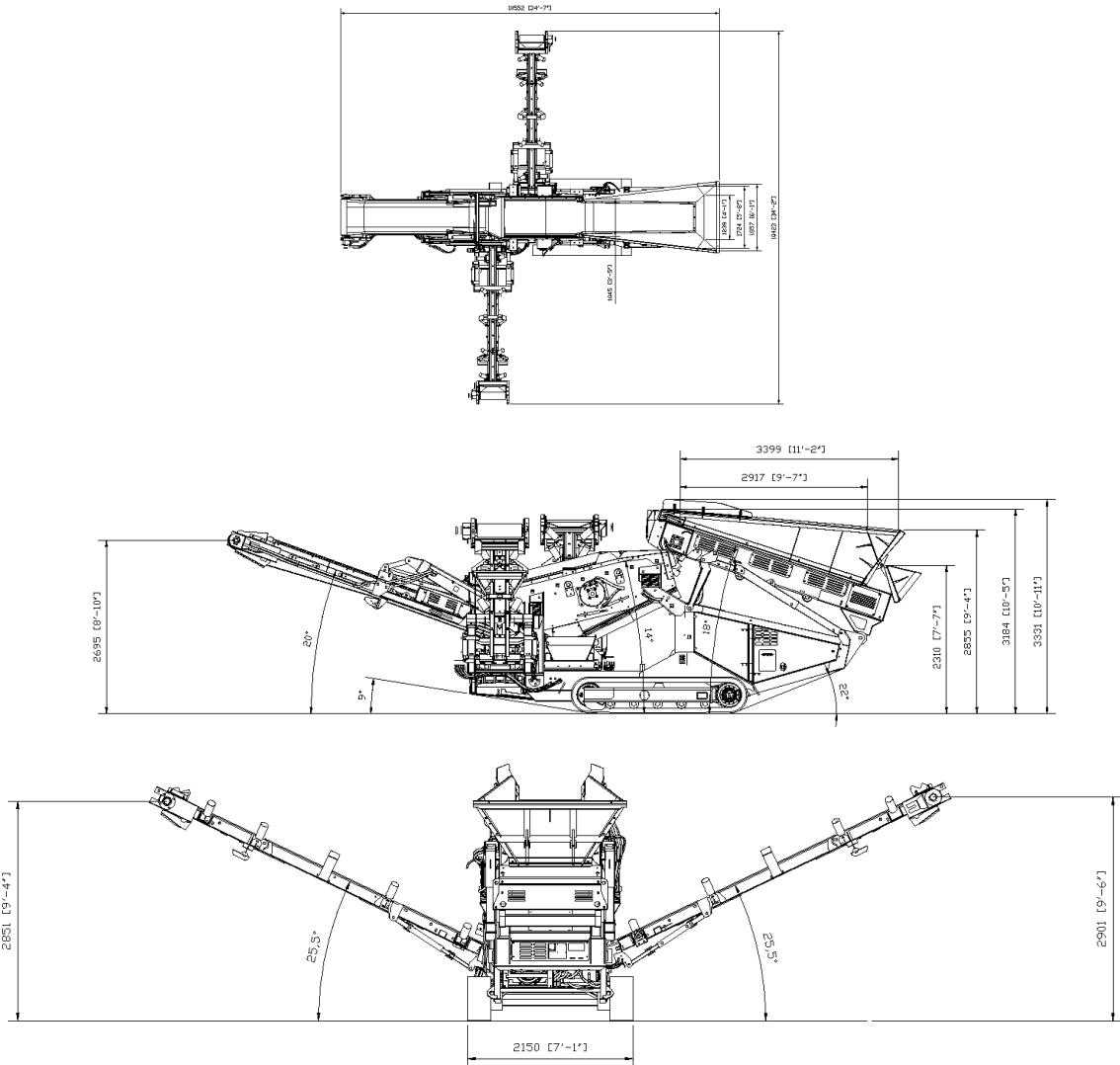


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DIMENSIONS

Figure 1: Titan 600
Working Position



MORE DIMENSIONS OVERLEAF

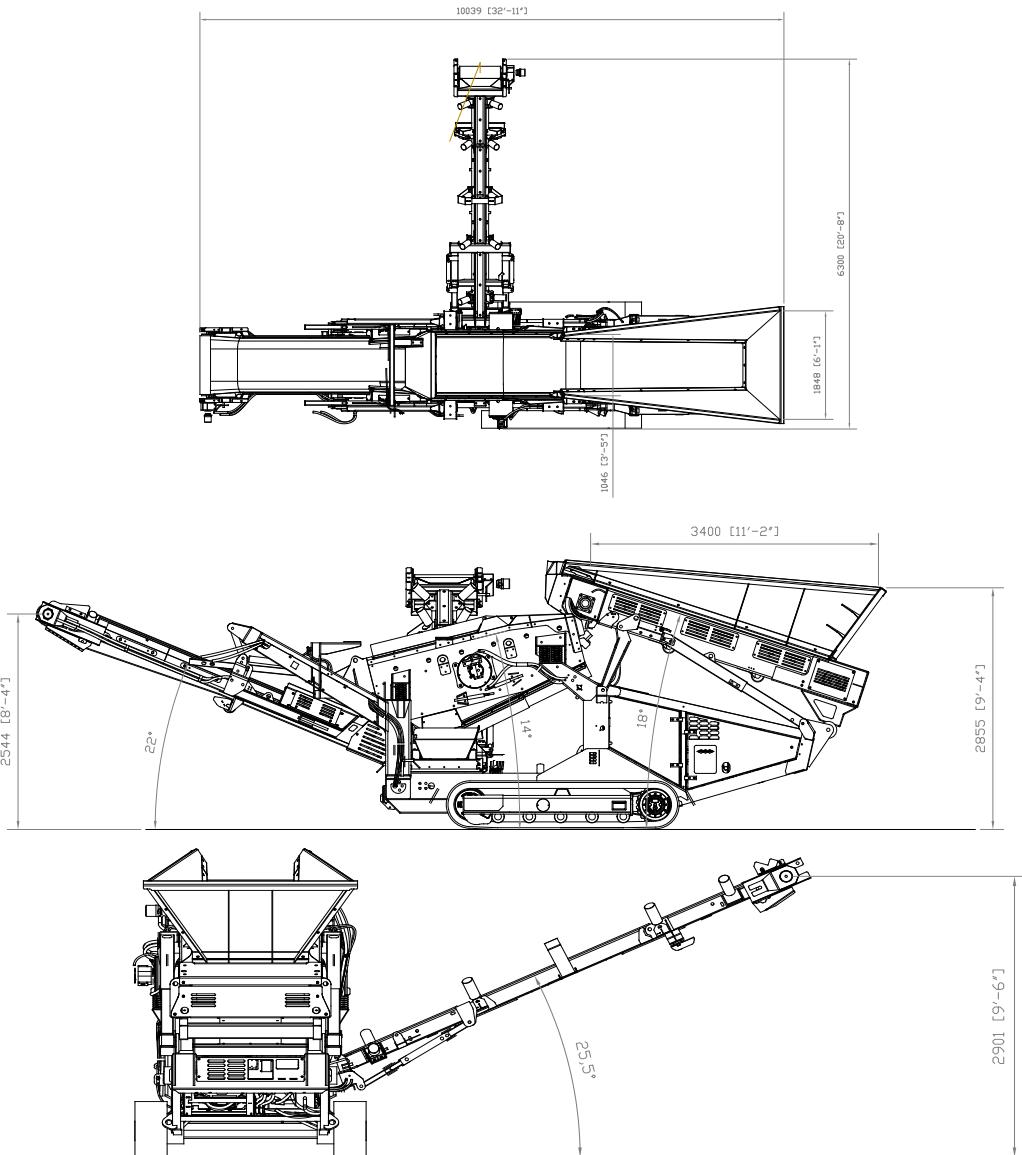


TITAN 600



DIMENSIONS

Figure 2: Titan 600
Working Position 2-Way Split



MORE DIMENSIONS OVERLEAF

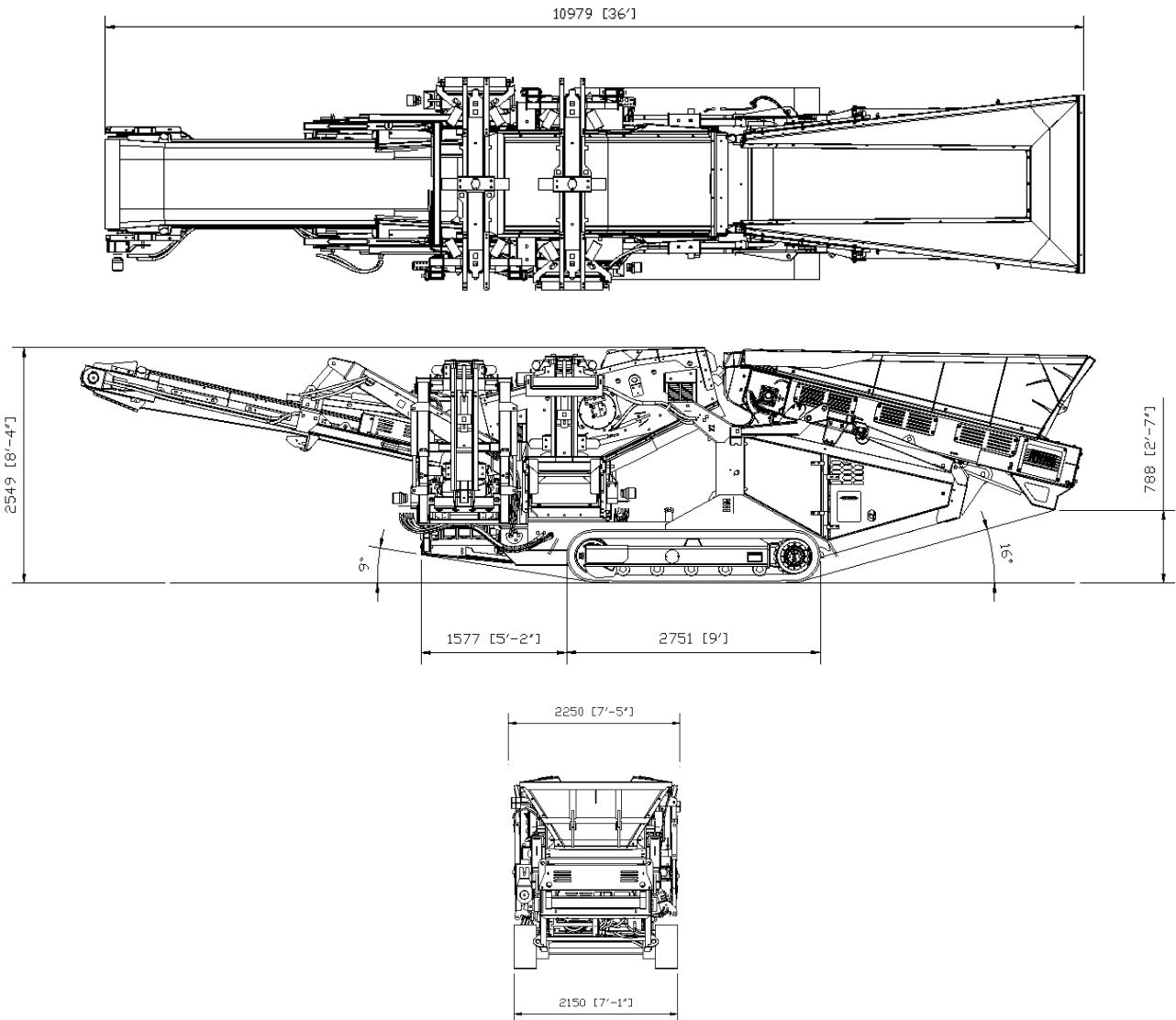


TITAN 600



DIMENSIONS

Figure 3: Titan 600
Transport Position



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.

GET IN TOUCH

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APPENDIX 1 - ENGINE OPTIONS

- Powerunit options that may be fitted in place of technical specification offering subject to availability

Screens – Tier 4 Final

CAT C4.4 82kW (110hp) @ 2200rpm as per Chieftain 1400, Chieftain 1500, Chieftain 2100X 2 deck, Chieftain 2200 2 deck and Warrior 1800

Option 1.) CAT C3.6 82kW (110hp) @ 2200rpm

Option 2.) CAT C4.4 102kW (137hp) @ 2200rpm

CAT C4.4 98kW (131hp) @ 2200rpm as per Chieftain 2100X 3 deck and Chieftain 2200 3 deck

Option 1.) CAT C4.4 102kW (137hp) @ 2200rpm

CAT C4.4 82kW (110hp) @ 1800rpm as per Chieftain 1700X and Warrior 1400X

Option 1.) CAT C3.6 82kW (110hp) @ 1800rpm

Option 2.) CAT C4.4 98kW (131hp) @ 1800rpm

Screens – Stage V

CAT C4.4 102kW (137hp) @ 2200rpm as per Chieftain 1400, Chieftain 1500, Chieftain 2100X, Chieftain 2200 and Warrior 1800

Option 1.) CAT C3.6 82kW (110hp) @ 2200rpm

Option 2.) JCB 4.8 81kW (109hp) @ 2200rpm

Option 3.) JCB 4.8 97kW (130hp) @ 2200rpm

Option 4.) Deutz TD3.6 100kW (134hp) @ 2200rpm

CAT C4.4 98kW (131hp) @ 1800rpm as per Chieftain 1700X, Warrior 1400X and Warrior 2100

Option 1.) CAT C3.6 82kW (110hp) @ 1800rpm

Option 2.) CAT C4.4 98kW (131hp) @ 1800rpm

Option 3.) JCB 4.8 80kW (108hp) @ 1800rpm

Option 4.) Deutz TD3.6 92kW (123hp) @ 1800rpm

