

POWERSCREEN®

LL-50

LOW LEVEL FEEDER



TECHNICAL SPECIFICATION - REV 0 01/01/2022





LL-50 LOW LEVEL FEEDER



OVERVIEW

SPECIFICATION

Total Weight	13,240kg (29,189bs) - Standard Unit
Transport	Length 12.2m (40' 1")
	Height 2.55m (8' 4")
	Width 2.77m (9' 1")
Working @ 24°	Length 18.2m (59' 9")
	Height 7.37m (24' 2")
	Width 3.42m (11' 3")
Power Unit	Tier 3: CAT 4.4 62kW (83hp) or, Stage V: CAT 2.2 55kW (74hp)
Plant Colour	Blue RAL 5021, Grey RAL 7024

NOTE: Dimensions may differ slightly from sales drawings due to differences in angles / reference points.etc.

FEATURES & BENEFITS

- High capacity up to 450tph (496 US tph).
- Maximum feed size up to 150mm (6").
- Eliminates the need for wheeled loaders to create stockpiles - reduces labour and maintenance costs.
- Eliminates the need for handling material multiple times - reduces labour and maintenance costs.
- Improved material quality due to reduced compaction, degradation, segregation and contamination.
- Can except loads from an excavator, wheeled loader, crusher or screener.
- Can be loaded from 3 sides, ensuring versatility.
- Rapid set up time and manoeuvrability around site.
- Low feed in height giving increased productivity and safety.
- Unrestricted discharge at front of hopper - ideal for bulky materials.
- Reduced fuel consumption due to reduced reliance on wheeled loaders.
- Reduced wear on wheeled loaders where a conveyor is utilised.
- Hydraulic discharge height adjustment.
- Hydraulic fold over for transport.
- Rosta scraper.
- Discharge conveyor head drum bearing automatic greasing.
- External conveyor belt adjustment.
- Engine pre-start delay & siren.
- Emergency stops x 3.

APPLICATIONS



Aggregate

Sand & gravel
Blasted rock
River rock



Recycling

C&D waste
Foundry waste



Mining

Processed ores
Processed minerals



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HOPPER

Target Area (Flares Down):

4.07m (13' 4") x 2.1m (7' 1")

Target Area (Flares Up):

4.07m (13' 4") x 3.3m (10' 10")

Capacity:

7m³ (9.15 Cu.Yd.)

Feed In Height:

2.7m (8' 9") - lowest position (flares up)

AR 400 wearplate construction



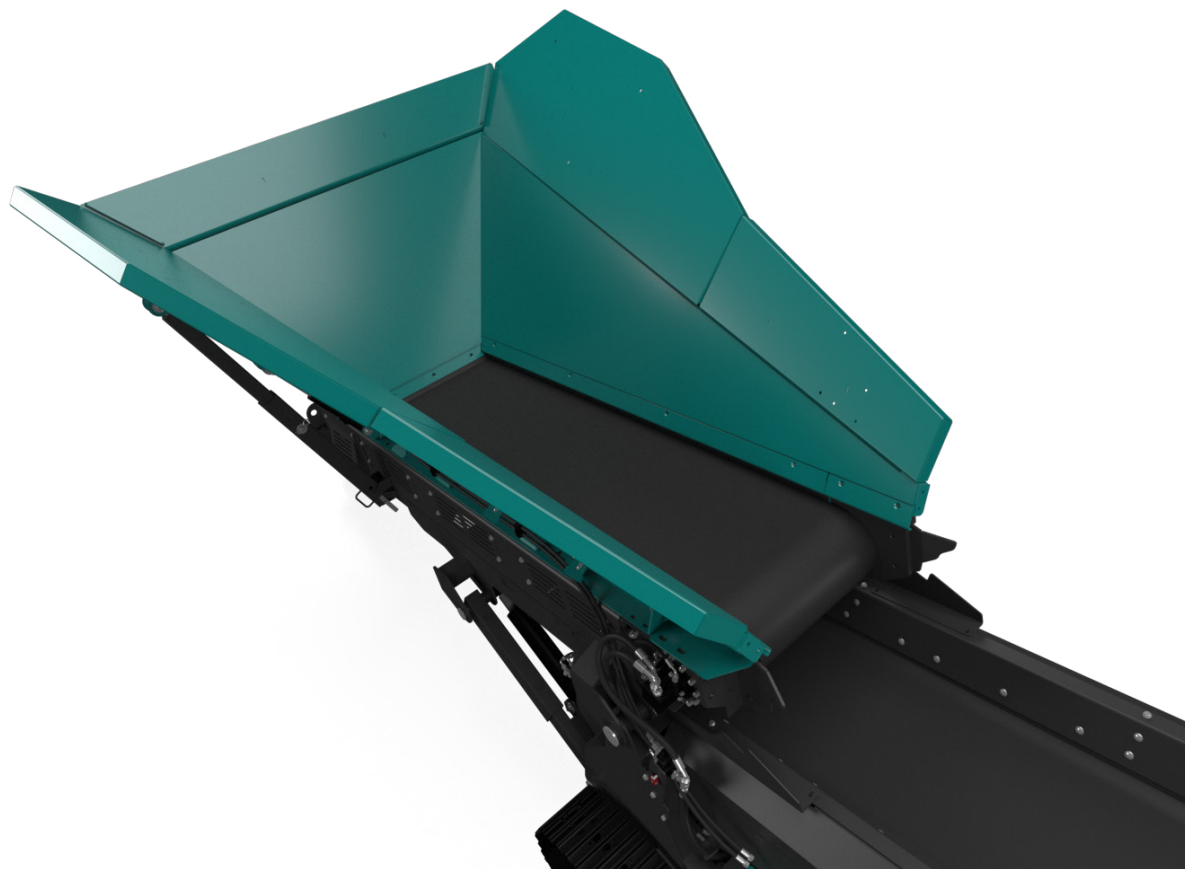


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FEED CONVEYOR

Width:	1050mm (42")
Belt Type:	Plain
Belt Spec:	EP400/3 4+2
Variable Speed:	Yes



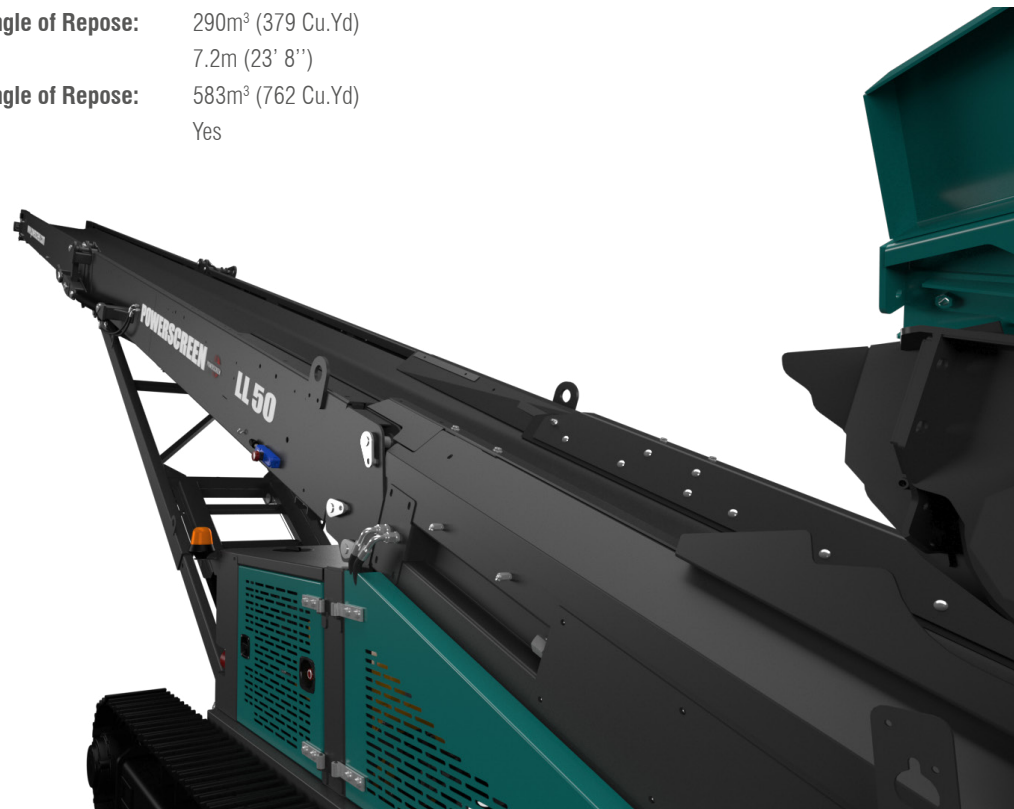


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DISCHARGE CONVEYOR

Width:	1050mm (42")
Belt Centres:	15.6m (51' 2")
Belt Type:	Plain
Belt Spec:	EP400 3 4+2
Drive Drum Dia:	286mm (11.3")
Tail Drum Dia:	270mm (10.6")
Max Belt Speed:	109m/m
Motor Size:	500cc
Operating Angle:	0° - 24°
Discharge Height @18°:	5.9m (19' 4")
Stockpile Capacity @18° & 37° Angle of Repose:	290m³ (379 Cu.Yd)
Discharge Height @24°:	7.2m (23' 8")
Stockpile Capacity @24° & 37° Angle of Repose:	583m³ (762 Cu.Yd)
Variable Speed:	Yes





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TRACKS

Shoe Width:	300mm (1')
Sprocket Centre:	3434mm (11' 3")
Outer Width:	2292mm (7' 6")
Gradability:	39.2°
Speed:	0.8km/h
Speed High:	1.5km/h
Speed High:	63Lpm (Per track)





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POWER UNIT & HYDRAULICS

Engine (Tier 3): CAT C4.4
Power Rating: 62kW (83hp)
RPM: 2300rpm
Crankshaft Pump: 29/29/19

Engine (Stage V): CAT C2.2
Power Rating: 55kW (74hp)
RPM: 2300rpm
Crankshaft Pump: 29/29/19

NOTE - Stage V engine option is Dual Certified to included the USA

Diesel Tank Capacity: 145L (38 US GAL)
Hydraulic Tank Capacity: 300L (79 US GAL)





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OPTIONS

- Dust hood.
- Canvas dust covers complete with dust hood on discharge conveyor.
- Full length skirting rubber on discharge conveyor.
- High spec head drum scraper on discharge conveyor (plain belt only).
- Anti-roll back flaps.
- Heavy duty plain belt on discharge conveyor EP500 3 Ply x 5 + 2 covers.
- Discharge conveyor under guard length of mid-section.
- Spray bar at head drum.
- Belt weigher.
- Overband magnet on discharge conveyor complete with hydraulic kit and support frames.
- Radio remote to start / stop feed conveyor, start / stop discharge conveyor & tracking.
- Radio remote raise / lower discharge conveyor & raise / lower feed conveyor.
- Pull cord E-Stop running the length of the conveyor.
- Chevron belt for discharge conveyor EP315 3 Ply x 3 + 1.5 covers
- Grade ISO 68 hydraulic oil (recommended for ambient temperatures of +15 - +50 degrees Celsius).
- Grease lines to head drum.
- Integrated fall break system bolted into hopper with adjustable feed hopper outlet door.
- Feeder discharge door with integrated fall break
- Powerscreen Pulse - via Spares only - cannot be selected from Factory.





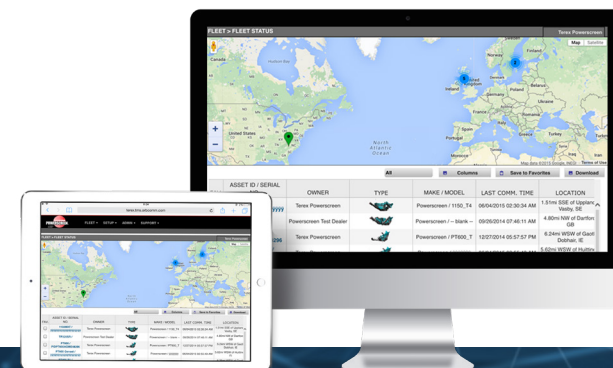
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POWERSCREEN PULSE

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**



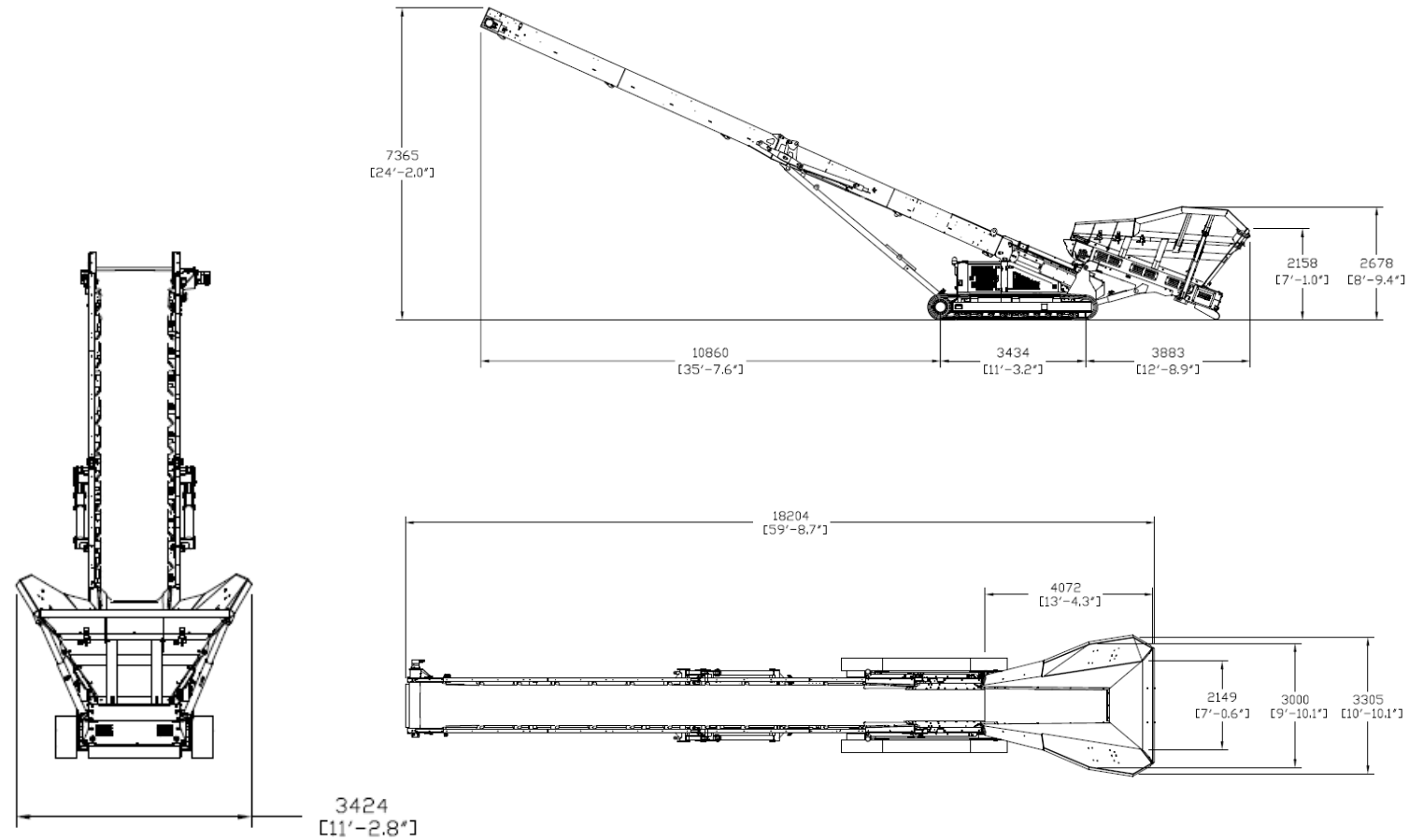


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DIMENSIONS

Figure 1: Powerscreen LL-50
Working Position



MORE DIMENSIONS OVERLEAF

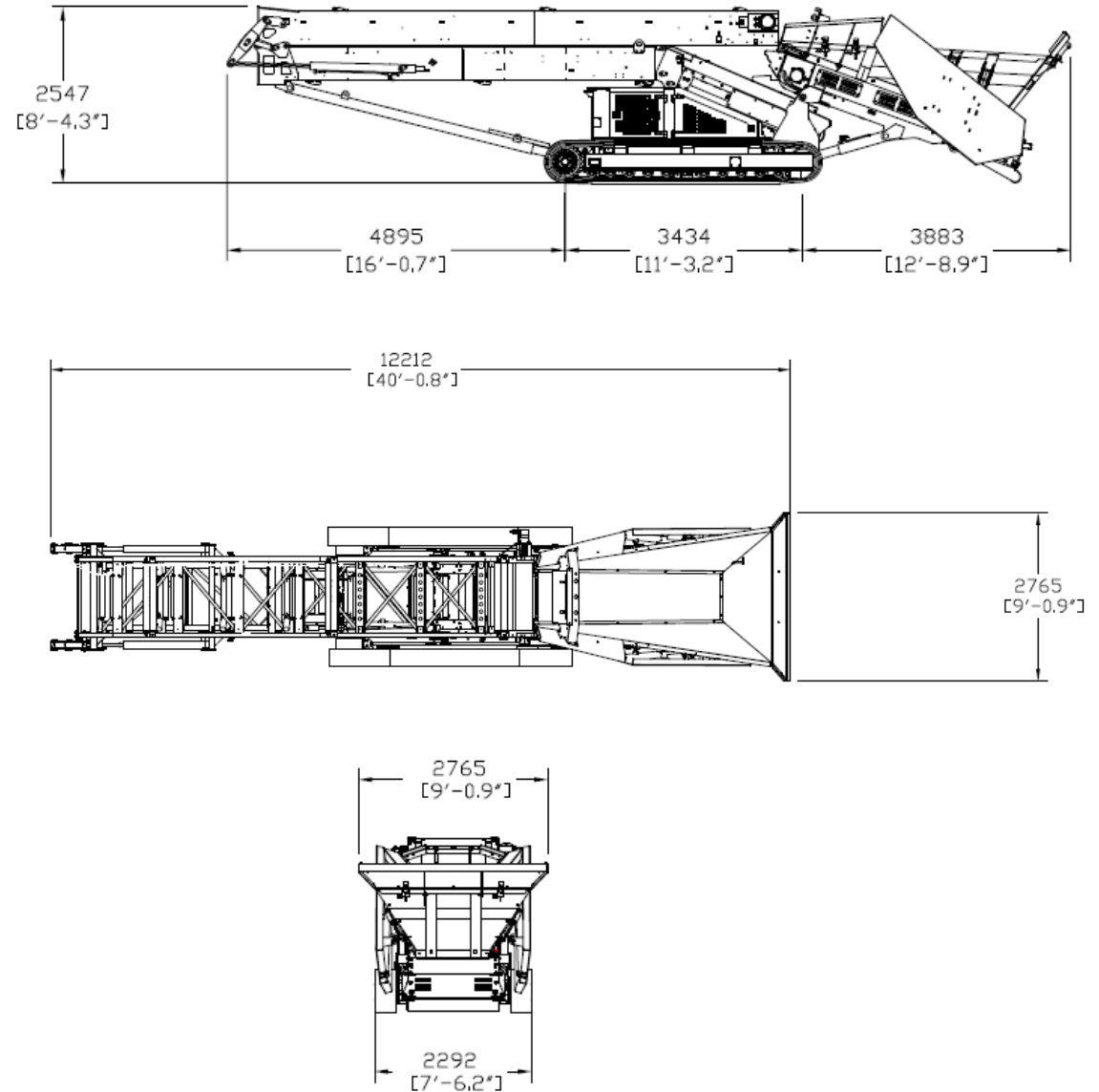


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DIMENSIONS

Figure 2: Powerscreen LL-50
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.

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