

POWERSCREEN®

LL-75

LOW LEVEL FEEDER



TECHNICAL SPECIFICATION - REV 0. 01/12/2019





LL-75 LOW LEVEL FEEDER



OVERVIEW

SPECIFICATION

Total Weight	24,700kg (41,454bs)
Transport	Length 19.74m (64' 9")
	Height 3.35m (11')
	Width 2.75m (9')
Working @ 24°	Length 25.8m (84' 9")
	Height 10.1m (33' 2")
	Width 3.61m (11' 10")
Power Unit	Tier 3: CAT 4.4 83kW (111hp) or, Tier 4F: CAT 4.4 82kW (110hp) or, Stage IV: CAT 4.4 82kW (110hp)

Plant Colour Blue RAL 5021, Grey RAL 7024, Black RAL 9005

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

FEATURES & BENEFITS

- High capacity up to 600tph (661 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.
- Kick out sensor stops feeder if discharge belt is under extreme load.
- Pinless deployment.
- Discharge conveyor head drum bearing automatic greasing.
- External conveyor belt adjustment.
- Engine pre-start delay & siren.
- Emergency stops x 2.

APPLICATIONS



Aggregate

Sand & gravel
Blasted rock
River rock



Recycling

C&D waste
Foundry waste



Mining

Processed ores
Processed minerals



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HOPPER

Open Area:

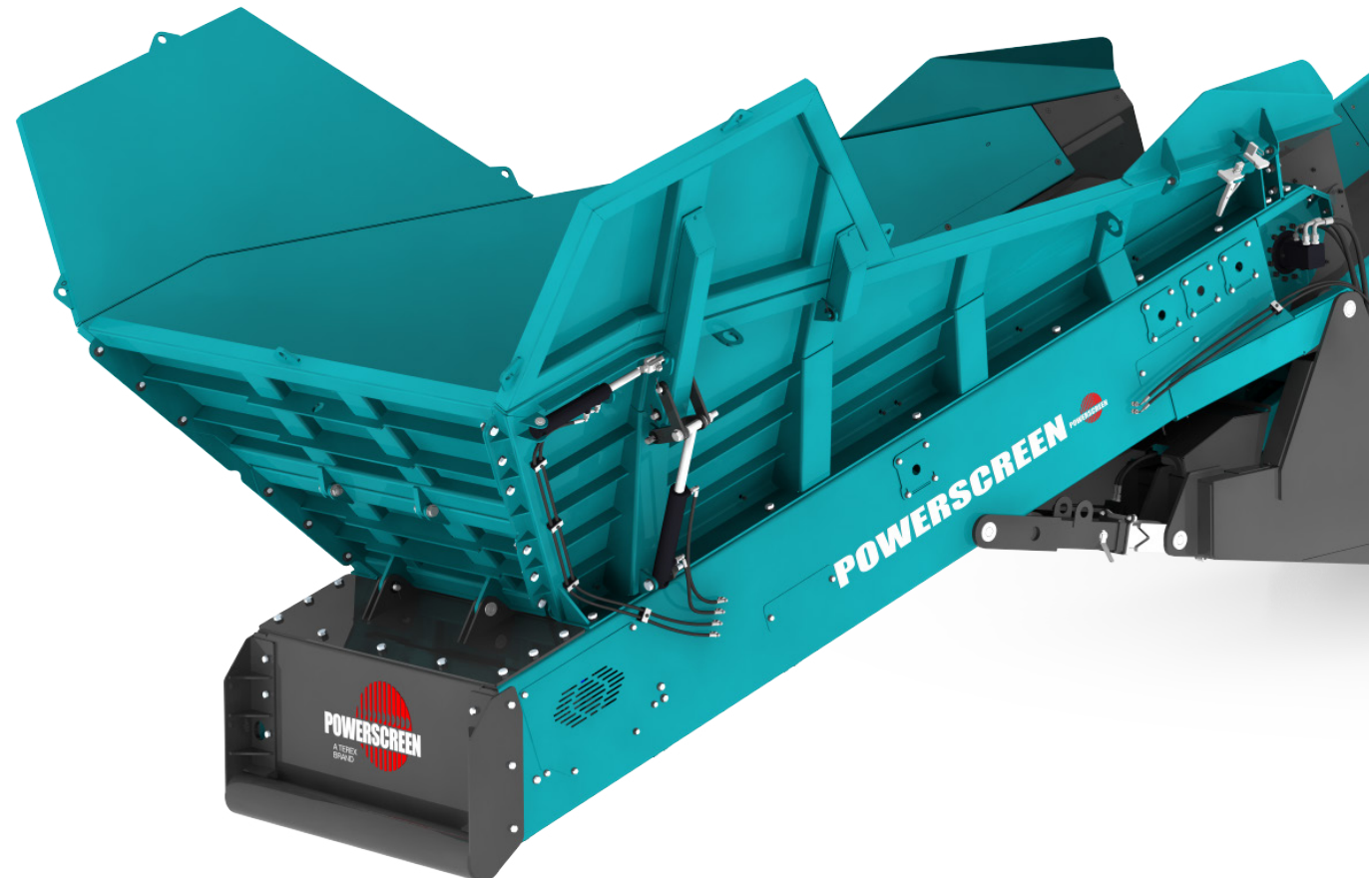
4.7m (15' 5") x 2.6m (8' 6")

Capacity (Tipping Grid Fitted):

7m³ (9.15 Cu.Yd.)

Feed In Height:

1.9m (6' 3")



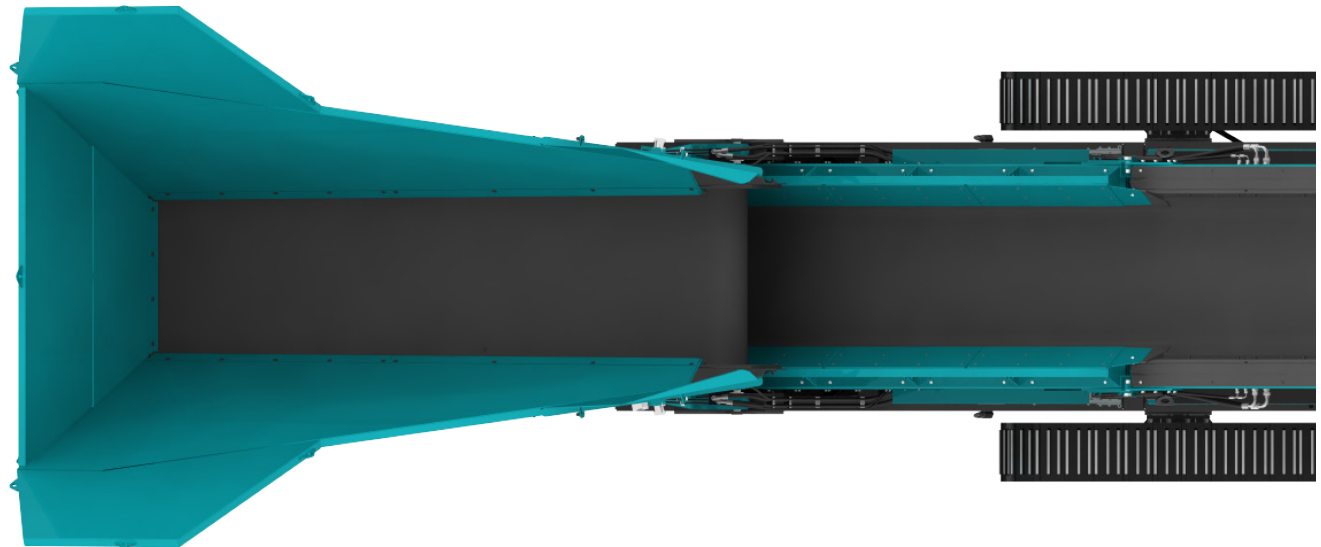


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FEED CONVEYOR

Width:	1300mm (4' 3")
Belt Type:	Plain
Belt Spec:	EP400/3 4+2
Variable Speed:	Yes



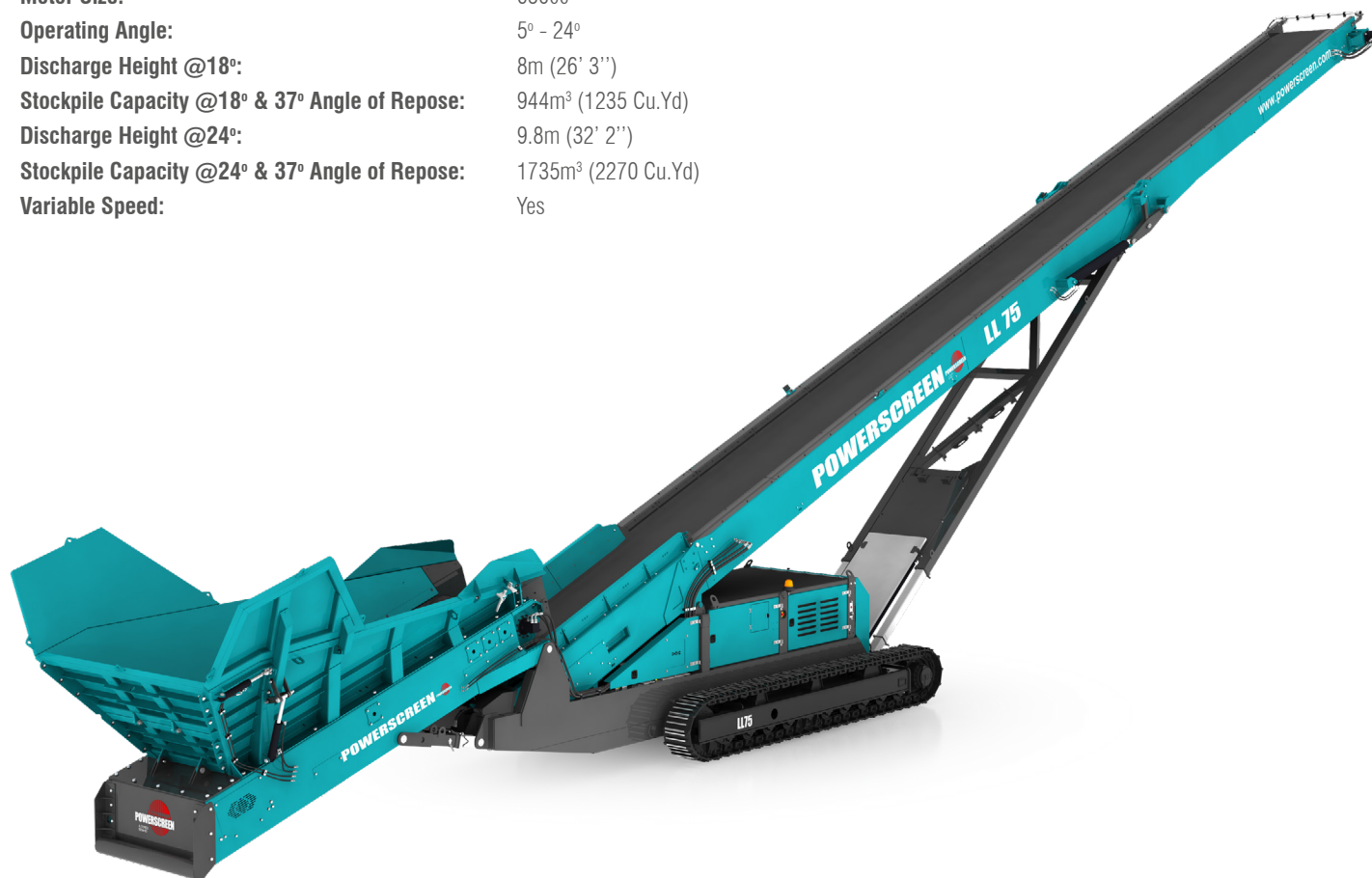


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DISCHARGE CONVEYOR

Width:	1200mm (48")
Belt Centres:	22.5m (73' 10")
Belt Type:	Plain
Belt Spec:	EP400 3 4+2
Drive Drum Dia:	345mm (13.6")
Tail Drum Dia:	320mm (12.6")
Max Belt Speed:	105m/m
Motor Size:	630cc
Operating Angle:	5° - 24°
Discharge Height @18°:	8m (26' 3")
Stockpile Capacity @18° & 37° Angle of Repose:	944m³ (1235 Cu.Yd)
Discharge Height @24°:	9.8m (32' 2")
Stockpile Capacity @24° & 37° Angle of Repose:	1735m³ (2270 Cu.Yd)
Variable Speed:	Yes





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TRACKS

Shoe Width:	400mm (1' 4")
Sprocket Centre:	4300mm (14' 1")
Outer Width:	2750mm (9')
Gradability:	45.9°
Speed:	0.6km/h
Speed High:	1.1km/h
Speed High:	68Lpm (Per track)





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POWER UNIT & HYDRAULICS

Engine (Tier 3): CAT C4.4
Power Rating: 83kW (111hp)
RPM: 1800rpm
Crankshaft Pump: 38/38/8

Engine (Tier 4F): CAT C4.4
Power Rating: 82kW (110hp)
RPM: 1800rpm
Crankshaft Pump: 38/38/8

Engine (Stage IV): CAT C4.4
Power Rating: 82kW (110hp)
RPM: 1800rpm
Crankshaft Pump: 38/38/8

Diesel Tank Capacity: 325L (86 US GAL)
Hydraulic Tank Capacity T3: 360L (95 US GAL)
Hydraulic Tank Capacity T4: 360L (95 US GAL)





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↓ OPTIONS

- Canvas dust covers on discharge conveyor.
- Canvas dust covers complete with dust hood on discharge conveyor.
- Twin drive discharge conveyor.
- Full length side skirting along discharge conveyor.
- High spec head drum scraper on discharge conveyor.
- Anti roll back flaps.
- 3 ply heavy duty discharge belt.
- Ceramic lagging on discharge conveyor drive drum.
- Discharge conveyor underguard for mid-section.
- Dust suppression (spray bars only).
- Belt weigher.
- Overband magnet at feedboot of discharge conveyor.
- Radio remote to start / stop feeder, raise / lower discharge conveyor.
- Pull cord E-Stop running the length of the conveyor.
- Radio remote control.
- Feedbot lined 6mm wearplate.
- Manual adjusting jacking legs to adjust feeder height at rear.
- Ceramic lagging on feed conveyor drive drum.
- Hopper lined 6mm wear plate.
- Hopper flares lined 6mm wear plate.
- Mild steel liners bolted into hopper.
- Powerscreen Pulse.





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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**



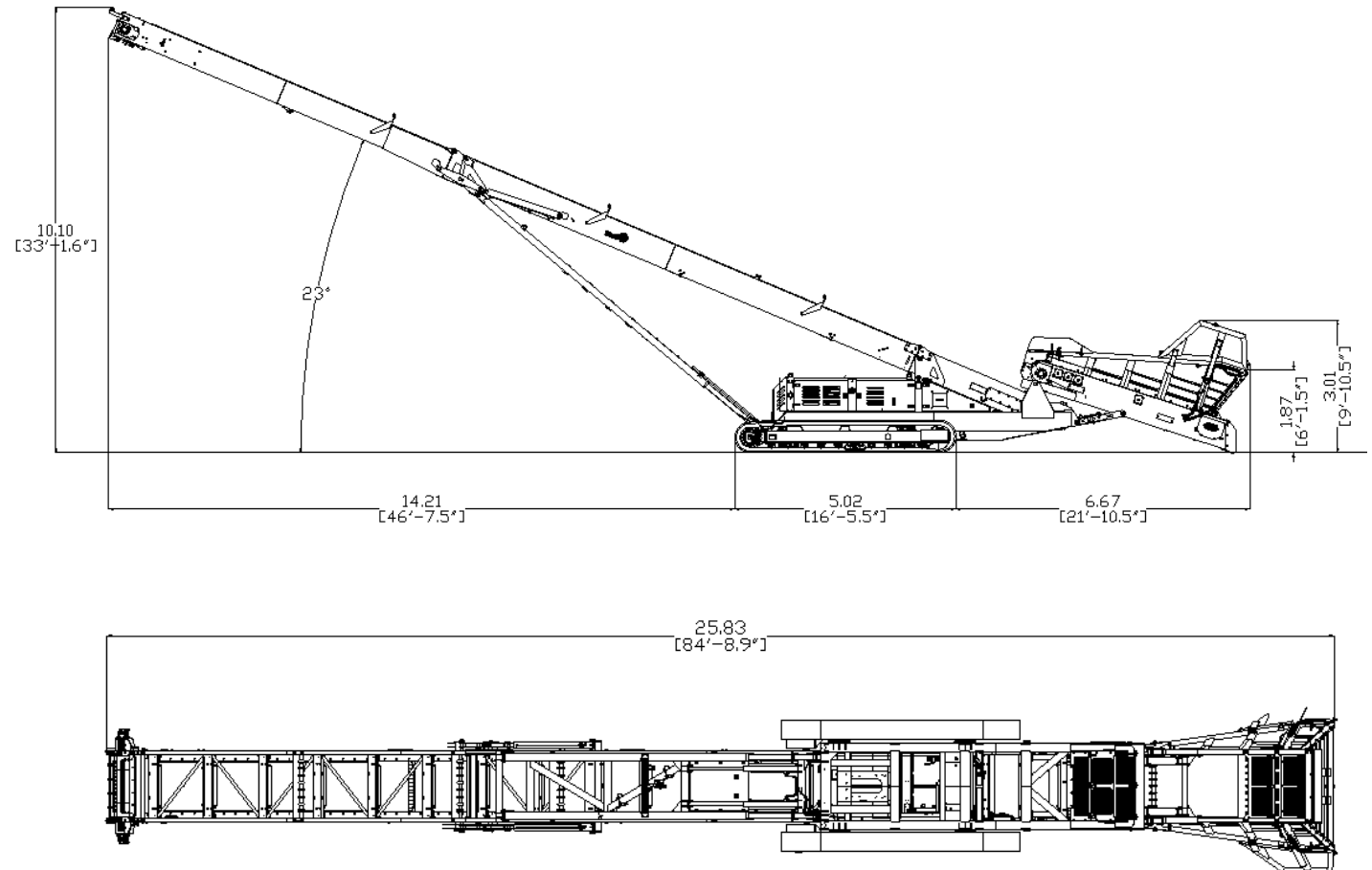


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DIMENSIONS

Figure 1: Powerscreen LL-75
Working Position



MORE DIMENSIONS OVERLEAF

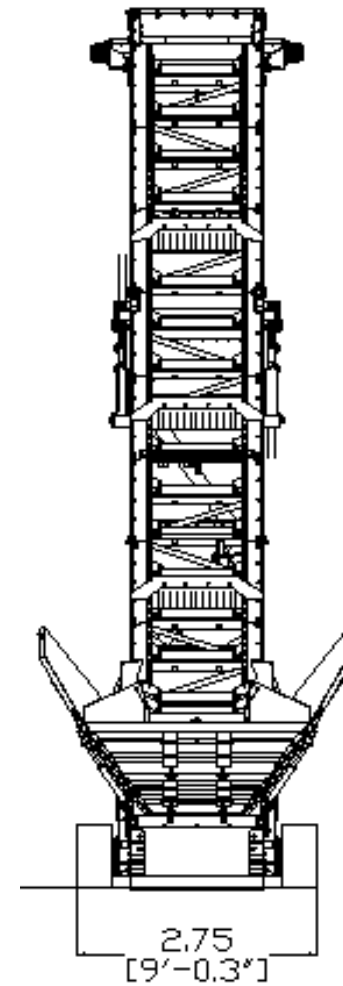


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DIMENSIONS

Figure 2: Powerscreen LL-75
Working Position



MORE DIMENSIONS OVERLEAF

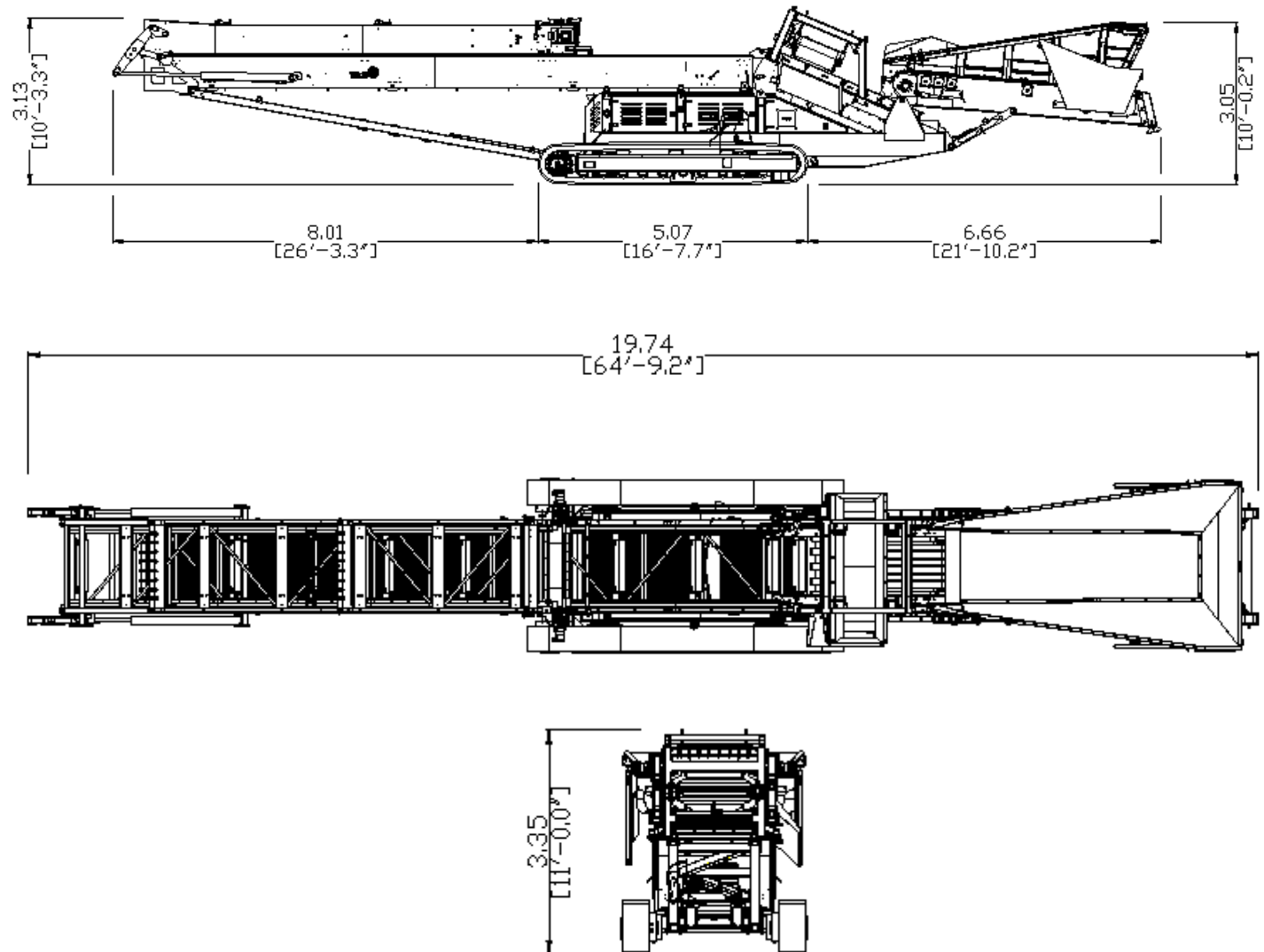


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DIMENSIONS

Figure 3: Powerscreen LL-75
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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