



Ranger[™] 6-24TR

Tracked Radial Conveyor



REDUCED COST



SITE OPERATING
EFFICIENCY



ENVIRONMENTAL
CONSIDERATIONS



IMPROVE HEALTH
& SAFETY



PRODUCT
QUALITY

The Ranger 6-24TR



FEEDBOOT

Standard Feedboot Capacity: 0.6m³ (0.8 yd³)
 Feed in width: 1300mm (4' 3")
 Extended Minimum Feed In Height: 2140mm (7' 0")

CONVEYOR

Maximum Tonnage: 600 TPH (661 US TPH)
 Maximum Feed Size: 150mm (6")
 Width: 1050mm (42")
 Operating Angle: 0 - 23°

PINLESS DEPLOYMENT

TRACKS

Shoe Width 400mm (1' 4")

Conveyor Angle (°)	Discharge Height	Stockpile Capacity @ 37° Angle of Repose	
		Conical	120° Kidney Bean
10	5.53m (18' 1")	274m ³ (439 yds ³)	3447m ³ (4509 yds ³)
12	6.27m (20' 6")	404m ³ (529 yds ³)	3929m ³ (5139 yds ³)
14	6.99m (22' 11")	569m ³ (745 yds ³)	4473m ³ (5851 yds ³)
16	7.72m (25' 4")	772m ³ (1009 yds ³)	5070m ³ (6631 yds ³)
18	8.43m (27' 8")	1013m ³ (1325 yds ³)	5718m ³ (7479 yds ³)
20	9.14m (29' 11")	1300m ³ (1700 yds ³)	6425m ³ (8404 yds ³)
23	10.18m (33' 5")	1811m ³ (2369 yds ³)	7566m ³ (9897 yds ³)

Ranger™ 6-24TR

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FEEDBOOT

Standard Feedboot Capacity: 0.6m³ (0.8 yd³)
 Feed in width: 1300mm (4' 3")
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ENGINE:

T3 Engine

Engine Type and Power Rating CAT 4.4 - 62kW (83hp)
 RPM Max: 2300 Min: 1000
 Fuel Consumption-Average Daily Running
 10L /HR (600TPH @ 18 degrees)

Stage IV Engine - Dual Certified

Engine Type and Power Rating CAT 2.2 - 55kW (74hp)
 RPM Max: 2300 Min: 1000
 Fuel Consumption-Average Daily Running
 10L /HR (600TPH @ 18 degrees)

TANK CAPACITIES

Diesel Tank Capacity 145 L (32 US.GAL)
 Hydraulic Tank Capacity 270L (71 US.GAL)

CONVEYOR

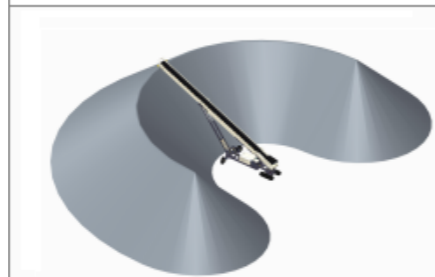
Maximum Tonnage: 600 TPH (661 US TPH)
 Maximum Feed Size: 150mm (6")
 Width: 1050mm (42")
 Drum Centres: 22.82m (74' 10")
 Belt Type: Plain
 Belt Spec: EP400 3 4+2
 Max Belt Speed of Conveyor: 150 MPM
 Motor Size & type: 630CC
 Operating Angle: 0 - 23°
 Variable Speed: Engine Speed Adjust

TRACKS

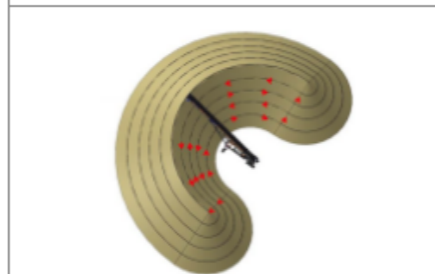
Shoe Width (mm) 400mm (1' 4")
 Sprocket Centre (mm) 1800mm (5' 11")
 Outer Width (mm) 2250 mm
 Speed (KM/H) (Single Speed) 0.95km/h

STOCKPILE DIAGRAMS

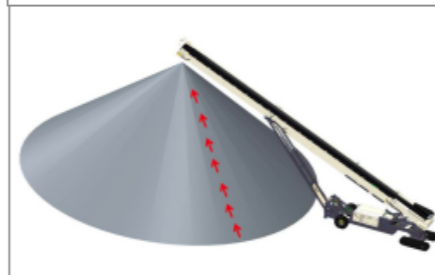
1. Standard Radial



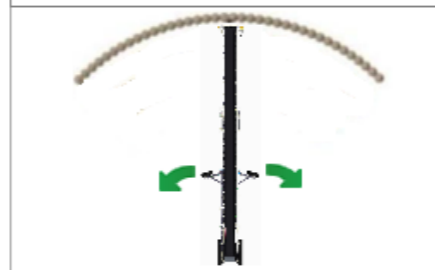
2. Dust Reduction Radial



3. Dust Reduction Conveyor



4. Radial Conical



GENERAL MACHINE FEATURES

Pinless Deployment
 Discharge Headdrum Bearing Automatic Greasing Cartridge
 Low Level Greasing
 Engine Prestart Delay & Siren
 Emergency Stops x 2
 Single Radial Wheel Drive

OPTIONAL EXTRAS

Feedboot Liners: 6mm Wear Plate (AR400)
 Feedboot Liners: 20 mm Rubber
 Feedboot Extension with Liners: Mild Steel
 Feedboot Extension with Liners: 6mm Wear Plate (AR400)
 Feedboot Extension with Liners: 20 mm Rubber
 Impact Bed at Feedboot area
 Anti-Roll Back Flaps
 Conveyor Fitted With Chevron Belt EP315/3 Ply x 3+1.5 Covers
 Conveyor Fitted With Heavy Duty Plain Belt EP500 4 Ply x 8+2 Covers
 Twin Hydraulic Drive Discharge Conveyor For high density material application
 Conveyor Blade Type / Primary Scraper at Head Drum (only with Plain Belt)
 Conveyor Underguard Length of Mid-Section
 Pull Cord Emergency Stop To Non Control Panel Side
 Pull Cord Emergency Stop To Control Panel Side
 Dust Hood
 Canvas Dust Covers complete with Dust Hood
 Spray Bar at Head Drum
 Full Length Skirting Rubber
 Belt Weigher
 Radio remote control system for crawler tracks, radial and conveyor raise / lower
 Auto Radial & Raise Function.
 ISO 68 Hydraulic Oil - (Recommended For Ambient Temperatures Between 15 - 50°)
 Telemetry System c/w 3 years data subscription (Belt Weigher Option recommended)(Unavailable for Tier 3)
 Special paint colour (if different from above). RAL must be specified on order
 Twin Radial Wheel Drive
 Containerised For Easy Transport Or RoRo



FEATURES

- Fully automated stockpile program option
- Semi automated stockpile program standard
- Feedboot sealed with slider pads standard for better feedboot sealing.
- Tracking with wheel drive assist for better traction onto trailers and gradients
- Wheel braking when track braking - safer stopping on gradients
- Radio Remote Radial, Conveyor raise/lower & conveyor start/stop
- Hydraulic Discharge Height Adjustment
- Hydraulic Fold Over For Transport
- Spring Mounted Poly Blade Head Drum Scraper

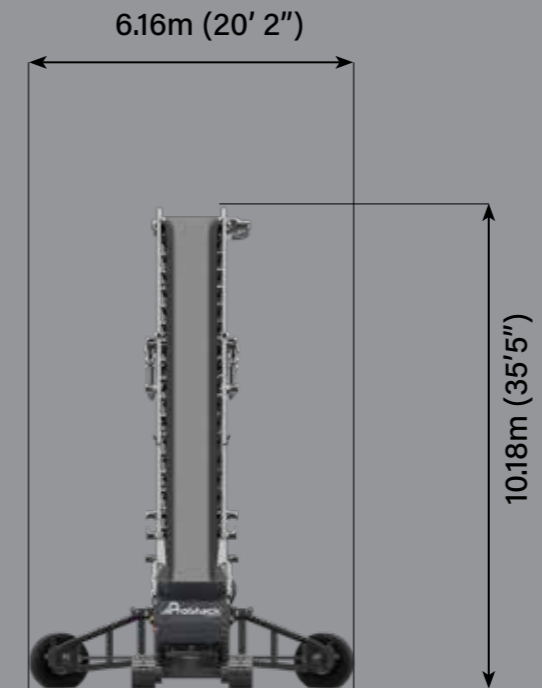
BENEFITS

- Eliminates the need for wheel loaders to build stockpiles, reducing labour and maintenance costs
- Eliminates the need for double handling of material, reducing labour and maintenance costs
- Stockpiling capacity of up to 600TPH
- Improved material quality reduced compaction, degradation, segregation and contamination
- Various hopper options and capacities depending on operators loading method or application.
- Rapid set up time and manoeuvrability around site
- Reduced fuel consumption over using wheel loaders
- Reduces wear and tear on wheel loaders



DIMENSIONS Ranger™ 4-24TR

WORKING



MACHINE WEIGHT: 16,020 kg (17.66 US tons)

WORKING DIMENSIONS @23

Length:	22.09m (72' 6'')
Width:	6.16m (20' 2'')
Height:	10.18m (33' 5'')

TRANSPORT DIMENSIONS

Length:	16.29m (53' 6'')
Width:	2.56m (8' 5'')
Height:	3.09m (10' 2'')



**FOR FURTHER INFORMATION
PLEASE CONTACT:**

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- ✓ Telematics
- ✓ Training

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