



 **Ranger**
Tracked Conveyor Range



REDUCED COST



SITE OPERATING
EFFICIENCY



ENVIRONMENTAL
CONSIDERATIONS



IMPROVE HEALTH
& SAFETY



PRODUCT
QUALITY

Specifications

Ranger™ 6-24H



DISCHARGE CONVEYOR:

- Conveyor length: 22.5m (73' 10")
- Belt width: 1.2m (48")
- Optimum working angle: 18°

UNDERCARRIAGE:

- Undercarriage with heavy duty tracks. 4300mm centres, 400mm shoe

FEED CONVEYOR

- Capacity: 7m³ (9.15yd³)
- Feed height without grid: 2.6m (8'6")
- Feed length without grid: 4.1m (13' 5")

DISCHARGE CONVEYOR	Imperial	Metric
Conveyor Length	73' 10"	22.5m
Belt Width	48"	1.2m
Conveyor Drive: Variable speed Max 113m/min		
Belt Type: EP400 3 Ply 4+2		
Optimum working angle: 18°		
Optimum discharge height	26' 3"	8m
Stockpile capacity at optimum working angle based on 37° angle of repose:	1235yd ³	944m ³
Max. working angle: 24°		
Max. discharge height:	26' 3"	9.8m
Max. stockpile capacity based on 37° angle of repose:	2270 yd ³	1735m ³
Capacity: Up to 600 TPH		
Based on 100mm Lump size at 18° work angle. Max belt speed.		
Hydraulic discharge height adjustment		
Hydraulic fold over for transport		
Rosta scraper at head drum		
Electrical		
Hand held track control set with connection lead		
Emergency stops x 3		
Undercarriage		
Undercarriage with heavy duty tracks. 4300mm centres, 400mm shoe		

POWERUNIT:

Tier 3: Stage 3A CAT 4.4
- 4 cylinder diesel engine developing 83kw (111hp) @1800rpm

Tier 4: Tier 4F / Stage IV - Caterpillar C4.4
- 4 cylinder diesel engine developing 82kW (110 Hp) @ 1800 RPM

POWERUNIT	Imperial	Metric
Tier 3: Stage 3A CAT 4.4 - 4 cylinder diesel engine developing	111hp @ 1800rpm	83kW @ 1800rpm
Tier 4: Tier 4F / Stage IV - Caterpillar C4.4 - 4 cylinder diesel engine developing 82kW (110hp) @ 1800rpm	110hp @ 1800rpm	82kW @ 1800rpm
Fuel tank volume:	86 US Gallons	325 litres

FEEDER	Imperial	Metric
Capacity	9.15 yd ³	7m ³
Feed height without grid:	8' 6"	2.6m
Feed in length without grid:	13' 5"	4.1m
Drive: hydraulic variable speed drive via high torque gearbox		
Speed: 0 – 25MPM (83ft / min)		
Wearplate Hopper (No Liners)		
Rosta scraper at head drum		

Specifications

Ranger™ 6-24H

General

- Pinless deployment
- Discharge head drum bearing automatic greasing cartridge
- Engine prestart delay & siren
- External conveyor belt adjustment

Packaging

- Roll on Roll off transport (RoRo)
- Containerisation, packed into 2 x 40ft high cube containers

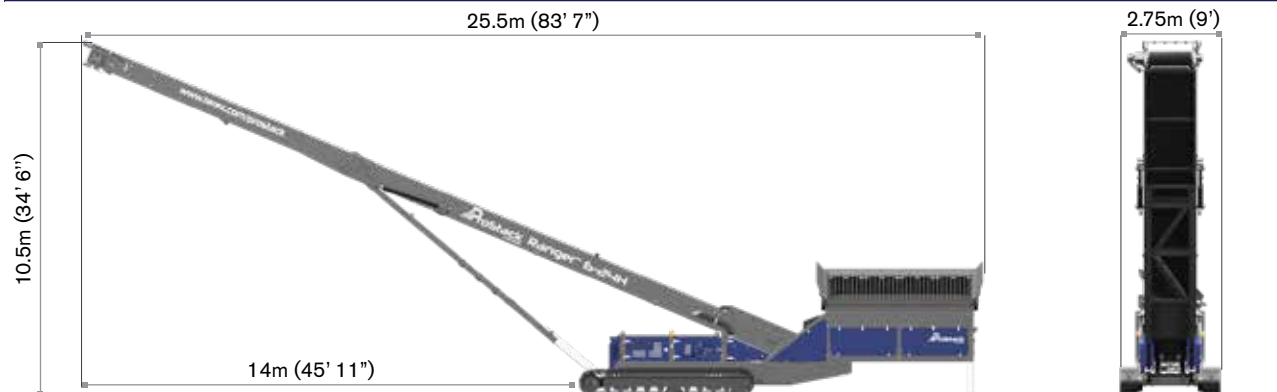
Options

- Integrated fall break system bolted into hopper
- Hopper upgraded to 500mm (20") extension 9m³ (12yds³) C/W Integrated Fall Break System bolted into Hopper.
- Hopper upgraded to 700mm (28") extension 12m³ (15yds³) C/W Inte-grated Fall Break System bolted into Hopper.
- Double Deck Vibrating Grid 4" /100mm Spacing on top deck: (please advise bottom deck mesh Aperture)
- Machine prepared hydraulically to tip a standard grid. Includes Remote Control. NO GRID
- Machine prepared hydraulically for DDVG option. Includes Remote Control. NO vibrating grid
- Discharge conveyor drive drum upgraded to ceramic lagging (Twin drive only)
- 6mm hardened steel wear liners in hopper (configurable at point of order)
- 14ft Tipping Grid option. 4" Grid Cassette

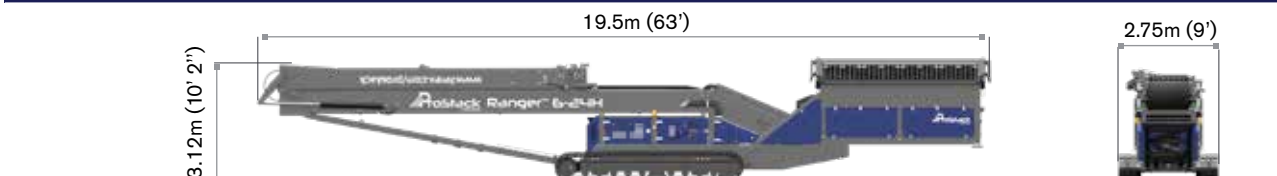
Options

- 14ft Tipping Grid option. 6" Grid Cassette
- Integrated fall break system bolted into hopper
- 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 discharge conveyor head drum scraper
- Anti-roll back flaps
- Discharge belt upgraded to 3ply heavy duty belt
- Discharge conveyor drive drum upgraded to ceramic lagging
- Discharge conveyor underguard option length of mid section
- Dust suppression at discharge conveyor head drum
- Belt weigher option
- Overband magnet at feedboot of discharge conveyor
- Radio remote to start / stop feeder, raise / lower discharge
- Pull Cord E-stop running length of discharge Conveyor
- Radio remote to Track machine
- Feedboot lined 6mm wearplate
- Twin drive feed conveyor
- Upgrade to Toughflex EP 630 / Hyd duty recycling belt Feeder & Incline. (Only available on both Belts)
- Conveyor fitted with Chevron belt 3 ply x 4+2 covers
- Telemetry System c/w 3 years data subscription (Belt Weigher Option recommended)(Unavailable for Tier 3)

Operational Dimensions



Transport Dimensions



Specifications

Ranger™ 6-24L



DISCHARGE CONVEYOR:

- Conveyor length: 22.5m (73' 10")
- Belt width: 1.2m (48")
- Optimum working angle: 18°

UNDERCARRIAGE:

- Undercarriage with heavy duty tracks.
4300mm centres, 400mm shoe

FEED CONVEYOR

- Capacity: 7m³ (9.2yd³)
- Feed height: 1.9m (6' 3")
- Feed length without grid: 4088mm

POWERUNIT:

Tier 3: Stage 3A CAT 4.4
- 4 cylinder diesel engine developing 83kw (111hp) @1800rpm

Tier 4: Tier 4F / Stage IV - Caterpillar C4.4
- 4 cylinder diesel engine developing 82kW (110 Hp) @ 1800 RPM

DISCHARGE CONVEYOR	Imperial	Metric
Conveyor Length	73' 10"	22.5m
Belt Width	48"	1.2m
Conveyor Drive: Variable speed Max 113m/min		
Belt Type: EP400 3 Ply 4+2 plan belt		
Optimum working angle: 18°		
Optimum discharge height	26' 3"	8m
Stockpile capacity at optimum working angle based on 37° angle of repose:	1234yd ³	944m ³
Max. working angle: 24°		
Max. discharge height:	32' 2"	9.8m
Max Stockpile capacity based on 37° angle of repose:	2270 yd ³	1735m ³
Capacity: up to 600TPH		
Based on 100mm Lump size at 18° work angle. Max belt speed.		
Hydraulic discharge height adjustment		
Hydraulic fold over for transport		
Rosta scraper at head drum		

Electrical

- Hand held track control set with connection lead
- Emergency stops x 3

POWERUNIT	Imperial	Metric
Tier 3: Stage 3A CAT 4.4 - 4 cylinder diesel engine developing	111hp @ 1800rpm	83kW @ 1800rpm
Tier 4: Tier 4F / Stage IV - Caterpillar C4.4 - 4 cylinder diesel engine developing 82kW (110hp) @ 1800rpm	110hp @ 1800rpm	82kW @ 1800rpm
Fuel tank volume:	86 US gallons	325 litres

FEEDER	Imperial	Metric
Capacity	9.2yds ³	7m ³
Feed height	6' 3"	1.9m
Feed in width (flares up)	11' 5"	3.49m
Drive: hydraulic variable speed drive via high torque gearbox		
Speed:	36ft / min	0 - 11MPM
Wearplate Hopper (No Liners)		
Hydraulic adjustable jacking legs mounted under hopper side to support weight		
Twin drive feed conveyor		

Specifications

Ranger™ 6-24L

Undercarriage

Undercarriage with heavy duty tracks. 4300mm centres, 400mm shoe

General

Pinless deployment

Discharge head drum bearing automatic greasing cartridge

Engine prestart delay & siren

External conveyor belt adjustment

Packaging

Roll on Roll off transport (RoRo)

Containerisation, packed into 2 x 40ft high cube containers

Options

Upgrade to Toughflex EP 630 / Hyd duty recycling belt Feeder & Incline. (Only available on both Belts)

Telemetry System c/w 3 years data subscription (Belt Weigher Option rec-ommended)(Unavailable for Tier 3)

Canvas dust covers on discharge conveyor

Canvas dust covers complete with dust hood on discharge conveyor

Options

Twin drive discharge conveyor

Full length side skirting along discharge conveyor

High spec discharge conveyor head drum scraper

Anti-roll back flaps

Discharge belt upgraded to 3ply heavy duty belt

Discharge conveyor drive drum upgraded to ceramic lagging

Discharge conveyor underguard option length of mid section

Dust suppression at discharge conveyor head drum

Belt weigher option

Overband magnet at feedboot of discharge conveyor

Radio remote to start / stop feeder, raise / lower discharge

Pull Cord E-stop running length of discharge Conveyor

Radio remote to Track machine

Feedboot lined 6mm wearplate

Conveyor fitted with Chevron belt 3 ply x 4+2 covers

Manual adjusting jacking legs at tail side of feeder to adjust tail height

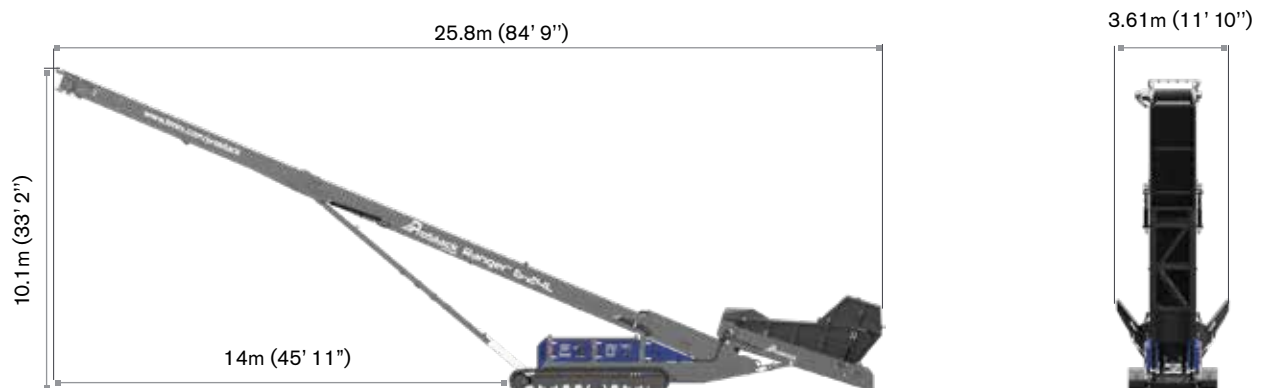
Feed conveyor drive drum upgraded to ceramic lagging

Hopper lined 6mm wearplate

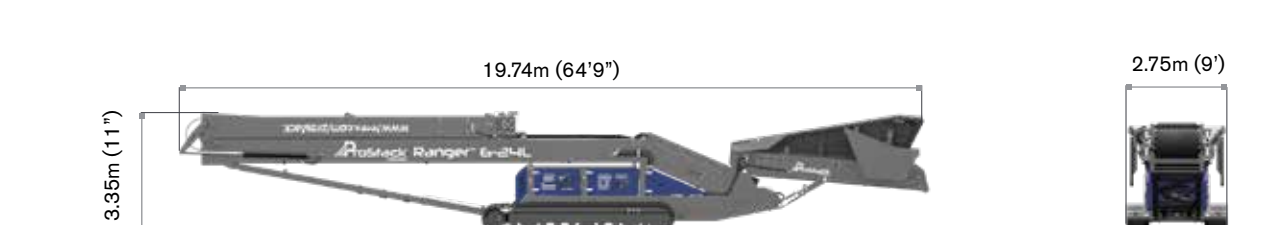
Hopper flares lined 6mm wearplate

Mild steel liners bolted into hopper

Operational Dimensions



Transport Dimensions



Specifications

Ranger™ 6-24HS



POWERUNIT:

- Tier 3: Stage 3A CAT 4.4
- 4 cylinder diesel engine developing 83kw (111hp) @1800rpm
- Tier 4: Tier 4F / Stage IV - Caterpillar C4.4
- 4 cylinder diesel engine developing 82kW (110 Hp) @ 1800 RPM

FEED CONVEYOR

- Capacity: 6.4m³ (8.4yd³)
- Feed height: 3.06m (10')
- Feed length without grid: 4088mm

DISCHARGE CONVEYOR:

- Conveyor length: 22.5m (73' 10")
- Belt width: 1.2m (48")
- Optimum working angle: 18°

UNDERCARRIAGE:

- Orbital slew ring hydraulic driven
- Undercarriage with heavy duty tracks. 4300mm centres, 400mm shoe

DISCHARGE CONVEYOR	Imperial	Metric
Conveyor Length	73' 10"	22.5m
Belt Width	48"	1.2m
Conveyor Drive: Variable speed Max 113m/min		
Belt Type: EP400 3 Ply 4+2		
Optimum working angle: 18°		
Optimum discharge height	28' 2"	8.8m
Stockpile capacity at optimum working angle based on 37° angle of repose:	1369yd ³	1047m ³
Max. working angle: 24°		
Max. discharge height:	34' 6"	10.7m
Max. stockpile capacity based on 37° angle of repose:	2560 yd ³	1957m ³
Capacity: Up to 600 TPH		
Based on 100mm Lump size at 18° work angle. Max belt speed.		
Hydraulic discharge height adjustment		
Hydraulic fold over for transport		
Rosta scraper at head drum		

Electrical

- Hand held track control set with connection lead
- Emergency stops x 3
- Radio remote for tracking, start/stop feeder, raise/lower incline conveyor.

Undercarriage

- Orbital slew ring hydraulic driven
- Undercarriage with heavy duty tracks. 4300mm centres, 400mm shoe

POWERUNIT	Imperial	Metric
Tier 3: Stage 3A CAT 4.4 - 4 cylinder diesel engine developing	111hp @ 1800rpm	83kW @ 1800rpm
Tier 4: Tier 4F / Stage IV - Caterpillar C4.4 - 4 cylinder diesel engine developing 82kW (110hp) @ 1800rpm	110hp @ 1800rpm	82kW @ 1800rpm
Fuel tank volume:	86 US Gallons	325 litres

FEEDER	Imperial	Metric
Capacity	8.4 yd ³	6.4m ³
Feed height	10'	3.06m
Feed in length without grid:	13' 5"	4.1m
Drive: hydraulic variable speed drive via high torque gearbox		
Speed: 0 - 25MPM (83ft / min)		
Wearplate Hopper (No Liners)		
Rosta scraper at head drum		

Specifications

Ranger™ 6-24HS

General

Pinless deployment
Discharge head drum bearing automatic greasing cartridge
Engine prestart delay & siren
External conveyor belt adjustment

Packaging

Roll on Roll off transport (RoRo)

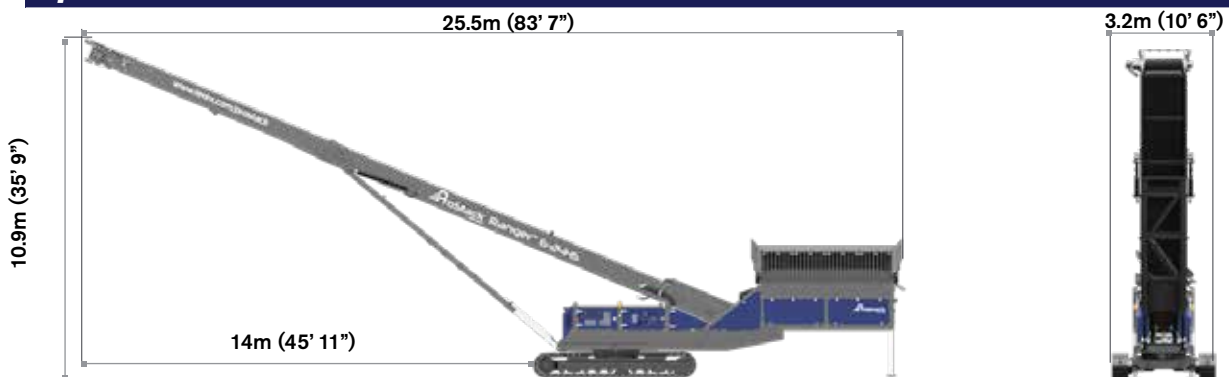
Options

Twin drive feeder
6mm hardened steel wear liners in hopper (configurable at point of order)
14ft Tipping Grid option. 4" Grid Cassette
14ft Tipping Grid option. 6" Grid Cassette
Integrated fall break system bolted into hopper
Hopper upgraded to 500mm (20") extension 9m ³ (12yds ³) C/W Integrated Fall Break System bolted into Hopper.
Hopper upgraded to 700mm (28") extension 12m ³ (15yds ³) C/W Integrated Fall Break System bolted into Hopper.
Double Deck Vibrating Grid 4" /100mm Spacing on top deck: (please advise bottom deck mesh Aperture)
Machine prepared hydraulically to tip a standard grid. Includes Remote Control. NO GRID

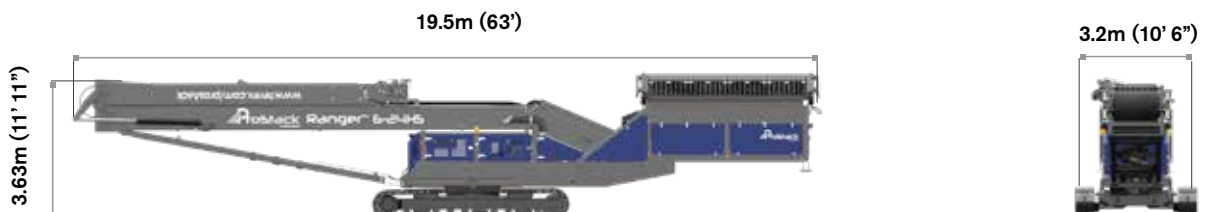
Options

Machine prepared hydraulically for DDVG option. Includes Remote Control. NO vibrating grid
Feed Conveyor Drive drum upgraded to Ceramic lagging (twin drive only)
Canvas Dust Covers on Incline boom Conveyor (Retrofittable)
Canvas Dust Covers C/W Dust Hood on Incline Boom Conveyor
Twin Drive on Incline Conveyor (Retrofittable)
Full length Side skirting along main conveyor.
High spec Poly scraper option
Anti roll back flaps x 3.
Incline belt Upgraded to 3ply heavy Duty belt
Conveyor fitted with Chevron belt 3 ply x 4+2 covers
Incline Conveyor Drive drum upgraded to Ceramic lagging
Discharge Conveyor Underguard option Length of Mid section.
Dust Suppression at Discharge Conveyor head drum
Beltweigher Option
Overband magnet at feedboot of incline conveyor
Powerunit c/w Hydraulic oil, ISO 68 - (Recommended for ambient temperatures between +15 to +50°C)
Pull Cord E-stop running length of Incline Conveyor both sides
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

Operational Dimensions



Transport Dimensions



Specifications

Ranger™ 6-24LS



POWERUNIT:

- Tier 3: Stage 3A CAT 4.4
- 4 cylinder diesel engine developing 83kw (111hp) @1800rpm
- Tier 4: Tier 4F / Stage IV - Caterpillar C4.4
- 4 cylinder diesel engine developing 82kW (110 Hp) @ 1800 RPM

FEED CONVEYOR

- Capacity: 7m³
- Feed height: 2.44m (8')
- Feed in width: 3.49m (11' 5")

DISCHARGE CONVEYOR:

- Conveyor length: 22.5m (73' 10")
- Belt width: 1.2m (48")
- Optimum working angle: 18°

UNDERCARRIAGE:

- Orbital slew ring hydraulic driven
- Undercarriage with heavy duty tracks. 4300mm centres, 400mm shoe

DISCHARGE CONVEYOR	Imperial	Metric
Conveyor Length	73' 10"	22.5m
Belt Width	48"	1.2m
Conveyor Drive: Variable speed Max 110m/min		
Belt Type: EP400 3 Ply 4+2		
Optimum working angle: 18°		
Optimum discharge height	28' 2"	8.8m
Stockpile capacity at optimum working angle based on 37° angle of repose:	1368 yd ³	1047m ³
Max. working angle: 24°		
Max. discharge height:	34' 6"	10.7m
Max Stockpile capacity based on 37° angle of repose:	2560 yd ³	1957m ³
Capacity: up to 600TPH		
Based on 100mm Lump size at 18° work angle. Max belt speed.		
Hydraulic discharge height adjustment		
Hydraulic fold over for transport		
Rosta scraper at head drum		

Electrical
Hand held track control set with connection lead
Emergency stops x 3
Radio remote for tracking, start/stop feeder, raise/lower incline conveyor.

POWERUNIT	Imperial	Metric
Tier 3: Stage 3A CAT 4.4 - 4 cylinder diesel engine developing	111hp @ 1800rpm	83kW @ 1800rpm
Tier 4: Tier 4F / Stage IV - Caterpillar C4.4 - 4 cylinder diesel engine developing 82kW (110hp) @ 1800rpm	110hp @ 1800rpm	82kW @ 1800rpm
Fuel tank volume:	86 US gallons	325 litres

FEEDER	Imperial	Metric
Capacity	9.2yds ³	7m ³
Feed height	8'	2.44m
Feed in width	11' 5"	3.49m
Drive: hydraulic variable speed drive via high torque gearbox		
Speed:	(83ft / min)	0 - 25MPM
Wearplate Hopper (No Liners)		
Tubular feeder support frame		
Twin drive feed conveyor		

Specifications

Ranger™ 6-24LS

Undercarriage

Orbital slew ring hydraulic driven
Undercarriage with heavy duty tracks. 4300mm centres, 400mm shoe

General

Pinless deployment
Discharge head drum bearing automatic greasing cartridge
Engine prestart delay & siren
External conveyor belt adjustment
Orange-RAL2002. Special paint colour (if different from above). RAL must be specified on order

Packaging

Roll on Roll off transport (RoRo)

Options

Feed Conveyor Drive drum upgraded to Ceramic lagging
Mild steel liners bolted into hopper (configurable at point of order)
Hopper lined 6mm wearplate (configurable at point of order)
Upgrade to Toughflex EP 630 / Hyd duty recycling belt Feeder & Incline. (Only available on both Belts)

Options

Hydraulic adjustable jacking legs mounted under hopper side to support weight
Canvas Dust Covers on Incline boom Conveyor (Retrofittable)
Canvas Dust Covers C/W Dust Hood on Incline Boom Conveyor
Twin Drive on Incline Conveyor (Retrofittable)
Full length Side skirting along main conveyor.
High spec Poly scraper option
Anti roll back flaps x 3.
Incline belt Upgraded to 3ply heavy Duty Belt
Conveyor fitted with Chevron belt 3 ply x 4+2 covers
Incline Conveyor Drive drum upgraded to Ceramic lagging
Discharge Conveyor Underguard option Length of Mid section.
Dust Suppression at Discharge Conveyor head drum
Beltweigher Option
Overband magnet at feedboot of incline conveyor
Powerunit c/w Hydraulic oil, ISO 68 - (Recommended for ambient temperatures between +15 to +50°C)
Pull Cord E-stop running length of Incline Conveyor
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

Operational Dimensions



Transport Dimensions





WHAT WE OFFER?

- Multitude of tried and tested options are available to ensure our equipment meets your demands
- We provide the solutions to meet the specific needs of your operation to provide extended flexibility of our products to improve the efficiency and profitability for your operation.
- Mobility options to enhance productivity on site, including parallel travel, wheel and tracked drives to cope with varying ground conditions
- Dust Containment and Suppression options to handle all bulk products and environments.
- Conveyor Belt specification options
- Roller and Pulley Lagging options
- Bin Liner and impact bed options at transfer points
- Radio remote control options
- Operation and maintenance platform and walkway options
- Finishing options. All conveyors are painted to the highest Marine specifications
- Galvanised finish and customised colour options available.



REDUCED COST



SITE OPERATING
EFFICIENCY



ENVIRONMENTAL
CONSIDERATIONS



IMPROVE HEALTH
& SAFETY



PRODUCT
QUALITY



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AFTER SALES SUPPORT

We provide comprehensive after sales support, maintenance support, provision of spare parts, and on-call customer help & advice.

- ✓ Parts
- ✓ Warranty
- ✓ Service
- ✓ 24/7 Help Desk
- ✓ Telematics
- ✓ Training

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