



**BULK HANDLING SOLUTIONS**

# Product Overview



**REDUCED COST**



**SITE OPERATING EFFICIENCY**



**ENVIRONMENTAL CONSIDERATIONS**



**IMPROVE HEALTH & SAFETY**



**PRODUCT QUALITY**

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## Industries and Applications

A high level of versatility and a wide range of customisation options means that ProStack equipment can be used in many industries and applications. Our products are ideally suited for use in ports and terminals, quarrying and aggregates and mining and mineral industries, but can be adapted to suit many other applications.

Both mobile and stationary specifications are available for ProStack equipment along with a host of other customising options to suit your project. ProStack offer a comprehensive portfolio of products to address the needs of the bulk material handling and stockpiling markets.



### Quarry and Aggregates

ProStack's expertly engineered conveyors are designed for quarry and aggregate applications. Often used for stockpiling and linking, these aggregate conveyors reduce the need for double handling, increase productivity/efficiency and reduce the reliance on traditional high cost stockpiling techniques including front-end wheel loaders.



### Mining and Minerals

The ProStack range of bulk material handling solutions has been designed to convey large capacities of minerals and bulk materials for the mining industry. This reliability and efficiency allows for reduced levels of in-pit haulage, as a mobile mining conveyor system can transport the materials out of the pit to be stockpiled above ground. Less vehicles are then required on site which reduces fuel consumption and increases safety. From blast face to berth load out materials are moved safely and effectively.



### Ports & Terminals

ProStack has an extensive suite of mobile equipment to suit every port and terminal application. A diverse range of port hoppers, mobile telescopic conveyors, bulk reception feeders and tracked conveyors ensure operational flexibility along with excellent technical performance as port loading conveyors.

## Key Applications

The versatility of our products allow us to cater for a number of applications, including:



Stockpiling



Ship Loading &  
Unloading



Heap  
Leaching



Rail Loading &  
Unloading



Port &  
Terminals



Mining



**Telson**

# Telescopic Conveyor Series



# Telson™ 42

## TELESCOPIC CONVEYOR

The Telson™ 42 Radial telescopic conveyor has a working length of 42 metres (140'), 270° of radial movement and is available in multiple tonnage options - 0-2000tph. Available in pit portable or road towable variants, the Telson 42 is a high quality machine suitable for almost all applications including ports and terminals and quarry and aggregate applications. Features include a fully electric drive, allowing the machine to be run from site electric or from an electric crusher, reducing machine maintenance. Automated stockpile patterns can be generated, reducing segregation, degradation, contamination and compaction, ensuring the correct specification for any application or industry. The machine also has a lattice design for increased strength while reducing the total weight. The pit portable version has multi-functional wheels which can be repositioned to perform the radial function. The road towable version allows the machine to be towed on the road in countries where it is permitted.



**Stockpile Capacity:**

Discharge Height @ 18°@ 270° Radial: 55,750m³ (72,920 Cu.Yd.)

**Taper Feedboot:**

Standard Capacity: 1.1 m³ (1.4 Cu. Yd.)

Extended Capacity: 2.1m³ ( 2.75 Cu. Yd.)

Max Working Angle: 18°

Min Working Angle: 6°

**Powerunit:**

Fully Electric, requires a generator to operate

Deployment Engine with Road version only

| TRANSPORT DIMENSIONS                  | Telson™ 42               |
|---------------------------------------|--------------------------|
|                                       | PIT PORTABLE             |
| Length                                | 27.79m (91' 2")          |
| Width                                 | 3.28m (10'9")            |
| Height                                | 5.19m (17')              |
| Weight (Est.)                         | 27,000kg (59,525 lbs)    |
| Containerised shipping                | 3 x 40ft High Cube       |
| CONVEYOR DETAILS                      | Telson™ 42               |
| Conveyor length                       | 42.45m (139'3")          |
| Belt width                            | 900mm (36")              |
| Min. discharge height                 | 4.2m (13'9")             |
| Max. discharge height                 | 14.4m (47'2")            |
| Production capacity                   | 0-2000tph<br>(2204 stph) |
| AS43241 Structural Design as Standard |                          |

| OPTIONS*                              |
|---------------------------------------|
| Throughputs between 0-2000 tph        |
| Belt weigher                          |
| Pull cord E-Stop                      |
| Feedboot Lined 6mm steel liner        |
| Feedboot Lined 6mm Wear plate         |
| Feedboot Lined 12mm Wear plate        |
| Feedboot Lined 20mm rubber            |
| Chevron Belt                          |
| Heavy Duty Belt                       |
| Working Lights                        |
| Twin Radial Drive                     |
| Low level greasing for both conveyors |
| Belt alignment switches               |
| Material sensors                      |
| Radial travel safety switches         |
| Self aligning roller                  |

| OPTIONS Continued*                        |
|---|
| AS3000 Electrical                         |
| Self Aligning Tracking Roller             |
| LED Work Lighting                         |
| Self Propelled Tracked Tugger             |
| Dust Covers, Inner & Outer Conveyor       |
| Single or Dual Sided Maintenance Catwalks |
| Road towable version available            |



Showing: Road towable version available

\* Refer to order form for current listing of options available.

# Telson™ 46 TELESCOPIC CONVEYOR

ProStack's Telson 46 Radial Telescopic Conveyor features a working length of 46 meters (150') and is capable of 270° of radial movement. Through close collaboration between the customer and ProStack's engineering team, the Telson 46 can be tailored to meet the specifications of multiple applications, including quarrying, ship loading and mining. The Telson 46 has a transport length of 31.4 metres (103') and is available in a road towable version in some territories.

A stockpile height of over 15 metres (49' 5") allows for a maximum stockpile capacity of approximately 138,190 tonnes.



**Stockpile Capacity:**

Discharge Height @ 18°@ 270° Radial: 55,750m³ (72,920 Cu.Yd.)

**Powerunit:**

Fully Electric, requires a generator to operate  
Deployment Engine with Road version only

| TRANSPORT DIMENSIONS                  | Telson™ 46                  | OPTIONS*                              | OPTIONS Continued*                        |
|---------------------------------------|-----------------------------|---------------------------------------|---|
|                                       | ROAD TOWABLE                | Throughputs between 0-2000 tph        | Self Aligning Tracking Roller             |
| Length                                | <b>27.3m length (89'5")</b> | Belt weigher                          | LED Work Lighting                         |
| Width                                 | 3.65m (11'9")               | Pull cord E-Stop                      | Self Propelled Tracked Tugger             |
| Height                                | 4.2m (13'7")                | Feedboot Lined 6mm steel liner        | Dust Covers, Inner & Outer Conveyor       |
| Weight (Est.)                         | 29500 kg - 65000lbs         | Feedboot Lined 6mm Wear plate         | Single or Dual Sided Maintenance Catwalks |
|                                       |                             | Feedboot Lined 12mm Wear plate        |   |
|                                       |                             | Feedboot Lined 20mm rubber            |   |
|                                       |                             | Chevron Belt                          |   |
|                                       |                             | Heavy Duty Belt                       |   |
|                                       |                             | Working Lights                        |   |
|                                       |                             | Twin Radial Drive                     |   |
|                                       |                             | Low level greasing for both conveyors |   |
|                                       |                             | Belt alignment switches               |   |
|                                       |                             | Material sensors                      |   |
|                                       |                             | Radial travel safety switches         |   |
|                                       |                             | Self aligning roller                  |   |
| <b>CONVEYOR DETAILS</b>               | <b>Telson™ 46</b>           |                                       |   |
| Conveyor length                       | 46m (150')                  |                                       |   |
| Belt width                            | 900mm (36")                 |                                       |   |
| Min. discharge height                 | 4.2m (13'9")                |                                       |   |
| Max. discharge height                 | 15.1m (49'5")               |                                       |   |
| Production capacity                   | 0-2000tph<br>(2204 stph)    |                                       |   |
| AS43241 Structural Design as Standard |                             |                                       |   |

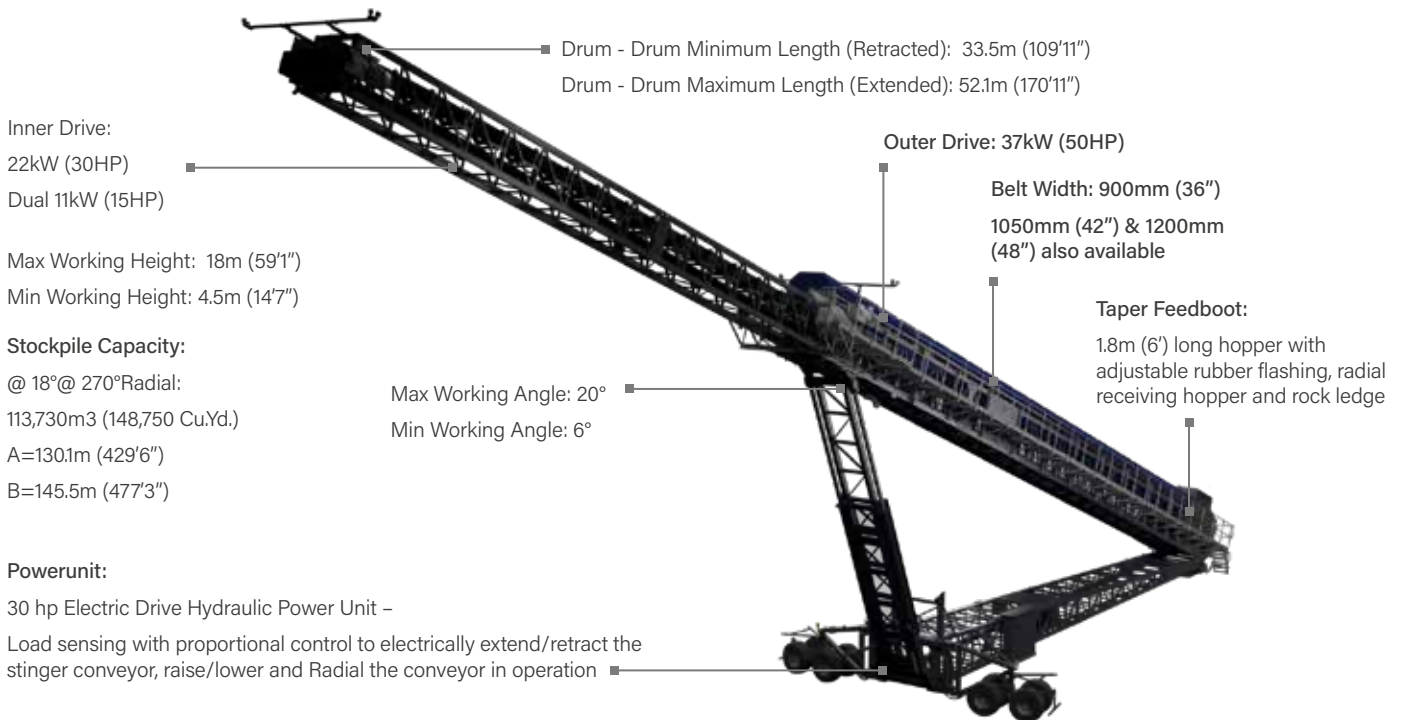
\* Refer to order form for current listing of options available.

# Telson™ 52

## TELESCOPIC CONVEYOR

The Telson™ 52 radial telescopic conveyor has a working length of 52 metres (170') and can be tailored to meet our customer's needs. A transport length of 34.2 metres (112') makes this a highly portable radial stacker conveyor. Capable of 270° of radial movement and a max working angle of 20° to allow for maximum stockpile capacity.

With a stockpile height of 18 metres (59') and maximum stockpile capacity of 182,176 tonnes the Telson 52 radial telescopic conveyor provides a heavy-duty solution to bulk material handling



| TRANSPORT DIMENSIONS   | Telson™ 52                                      |
|------------------------|---|
| Length                 | 34m (111' 7")                                   |
| Width                  | 3.6m (11'10")                                   |
| Height                 | 4.6m (15')                                      |
| Weight (Est.)          | 29,529kg (65,100 lbs) -<br>38,510kg (84,900lbs) |
| Containerised shipping | 5 x 40ft High Cube                              |

| CONVEYOR DETAILS      | Telson™ 52               |
|-----------------------|--------------------------|
| Conveyor length       | 52m (170'6")             |
| Belt width            | 900mm (36")              |
| Min. discharge height | 4.5m (14'7")             |
| Max. discharge height | 18.5m (60'7")            |
| Production capacity   | 0-2000tph<br>(2204 stph) |

| OPTIONS*                              |
|---------------------------------------|
| Throughputs between 0-2000 tph        |
| Belt weigher                          |
| Pull cord E-Stop                      |
| Feedboot Lined 6mm steel liner        |
| Feedboot Lined 6mm Wear plate         |
| Feedboot Lined 12mm Wear plate        |
| Feedboot Lined 20mm rubber            |
| Chevron Belt                          |
| Heavy Duty Belt                       |
| Working Lights                        |
| Twin Radial Drive                     |
| Low level greasing for both conveyors |
| Belt alignment switches               |
| Material sensors                      |
| Radial travel safety switches         |
| Self aligning roller                  |

| OPTIONS Continued*                        |
|---|
| AS3000 Electrical                         |
| Self Aligning Tracking Roller             |
| LED Work Lighting                         |
| Self Propelled Tracked Tugger             |
| Dust Covers, Inner & Outer Conveyor       |
| Single or Dual Sided Maintenance Catwalks |
| Road towable version available            |

DIFFERENT CAPABILITIES OF TPH ARE AVAILABLE

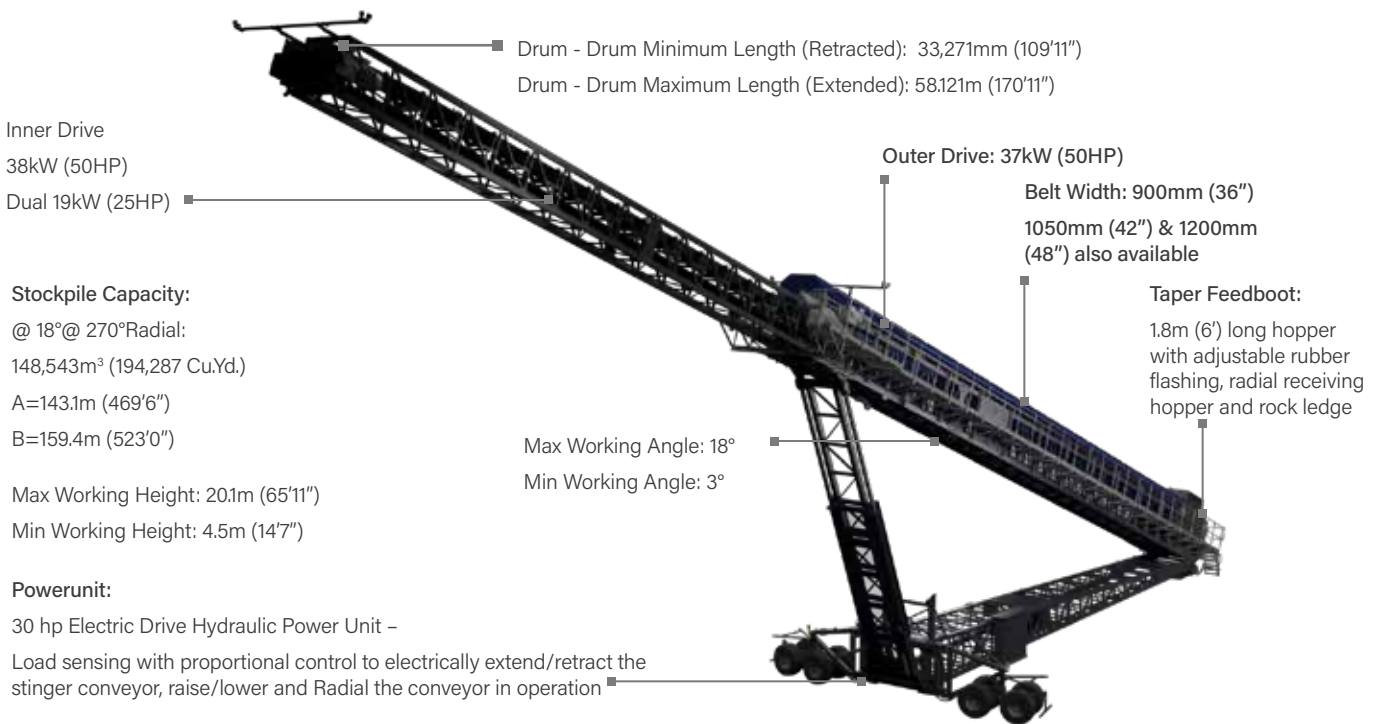
\* Refer to order form for current listing of options available.

# Telson™ 58

## TELESCOPIC CONVEYOR

The Telson™ 58 radial telescopic conveyor has a working length of 58 metres (190') and can be tailored to meet our customer's needs. A transport length of 34.2 metres (112') makes this a highly portable radial stacker conveyor. Capable of 270° of radial movement and a max working angle of 18° to allow for maximum stockpile capacity.

With a stockpile height of 20 metres (65') and maximum stockpile capacity of 237,943 tonnes the Telson™ 58 radial telescopic conveyor provides a heavy-duty solution to bulk material handling.



Inner Drive  
38kW (50HP)  
Dual 19kW (25HP)

**Stockpile Capacity:**  
@ 18°@ 270°Radial:  
148,543m<sup>3</sup> (194,287 Cu.Yd.)  
A=143.1m (469'6")  
B=159.4m (523'0")

Max Working Height: 20.1m (65'11")  
Min Working Height: 4.5m (14'7")

**Powerunit:**  
30 hp Electric Drive Hydraulic Power Unit -  
Load sensing with proportional control to electrically extend/retract the stinger conveyor, raise/lower and Radial the conveyor in operation

Drum - Drum Minimum Length (Retracted): 33,271mm (109'11")  
Drum - Drum Maximum Length (Extended): 58,121m (170'11")

Outer Drive: 37kW (50HP)  
Belt Width: 900mm (36")  
1050mm (42") & 1200mm (48") also available

**Taper Feedboot:**  
1.8m (6') long hopper with adjustable rubber flashing, radial receiving hopper and rock ledge

Max Working Angle: 18°  
Min Working Angle: 3°

| TRANSPORT DIMENSIONS   | Telson™ 58                                       | OPTIONS*                            | OPTIONS Continued*                        |
|------------------------|--|-------------------------------------|---|
| Length                 | 34.124m (112' )                                  | Dual power travel                   | AS3000 Electrical                         |
| Width                  | 3.6m (11'10")                                    | Material sensor                     | Self Aligning Tracking Roller             |
| Height                 | 4.6m (15")                                       | Belt scraper upgrade                | LED Work Lighting                         |
| Weight (Est.)          | 37,988kg (83,750 lbs) -<br>38,125kg (84,050 lbs) | Spray Bar                           | Self Propelled Tracked Tugger             |
| Containerised shipping | 7 x 40ft High Cube                               | Automation package                  | Dust Covers, Inner & Outer Conveyor       |
|                        |  | Lead chord for Panel                | Single or Dual Sided Maintenance Catwalks |
|                        |  | On board counterweight              | Road towable version available            |
|                        |  | Impact Idlers                       |   |
|                        |  | Safety Switch                       |   |
|                        |  | Hydraulic Oil Tank Heater           |   |
|                        |  | Heater and fan for electrical panel |   |
|                        |  | Automatic Lubrication system        |   |
|                        |  | Wireless remote control             |   |
|                        |  | Hydraulic axle jacking legs         |   |
|                        |  | Dust covers                         |   |
|                        |  | Telematics                          |   |
|                        |  | Walkways                            |   |

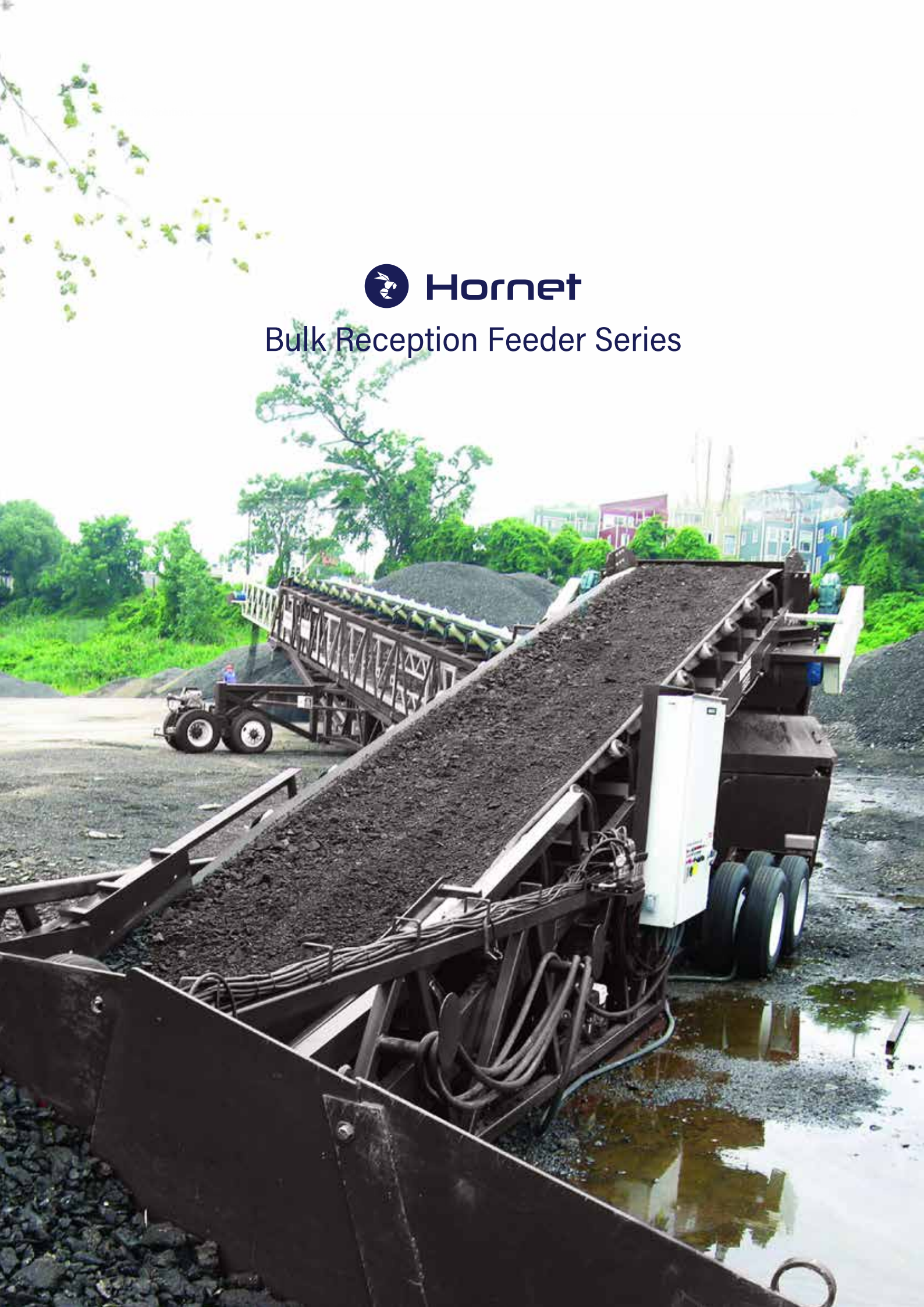
\* Refer to order form for current listing of options available.





**Hornet**

Bulk Reception Feeder Series

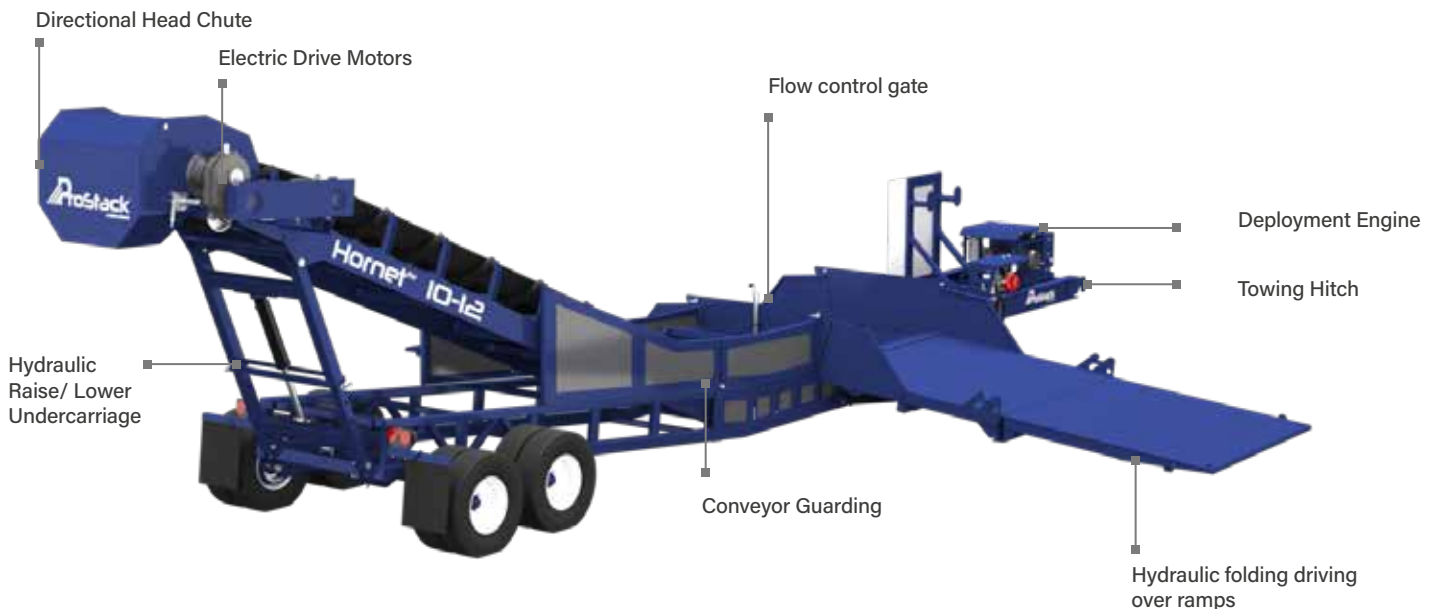


# HORNET™ 10-12

## BULK RECEPTION FEEDER

The Hornet™ 10-12 mobile bulk reception feeder has a 45 foot long and 48 inches wide conveyor belt for high capacity material handling. A number of customising options are available so that the Hornet 10-12 can meet the demands of any material handling applications. Static or wheeled options are available.

The Hornet™ series is purpose built to accept load from rear tip, articulated and belly feed trucks. Allowing the port operation to tip directly into conveyor rather than on the quayside allows for truck-to-ship loading. Throughout the process, the Hornet series can either be used to load directly into vessel or more commonly be used to directly feed larger ProStack shiploading equipment.



| TRANSPORT DIMENSIONS   | Hornet™ 10-12      |
|------------------------|--------------------|
| Length                 | 19.5m (64' 1")     |
| Width                  | 3.65m (11' 12")    |
| Height                 | 4m (13' 1")        |
| Weight (Est.)          | 19280kg (42,500lb) |
| Containerised shipping | 3 x 40ft High Cube |

| CONVEYOR DETAILS      | Hornet™ 10-12                                 |
|-----------------------|---|
| Conveyor length       | 13.7m (45')                                   |
| Belt width            | 1200mm (48")                                  |
| Min. Discharge height | 3.1m (10' 2") @16 deg                         |
| Max. discharge height | 4.1m (13' 5") @ 23 deg                        |
| Production capacity   | 1000TPH @1600kg m <sup>3</sup><br>(1100 STPH) |

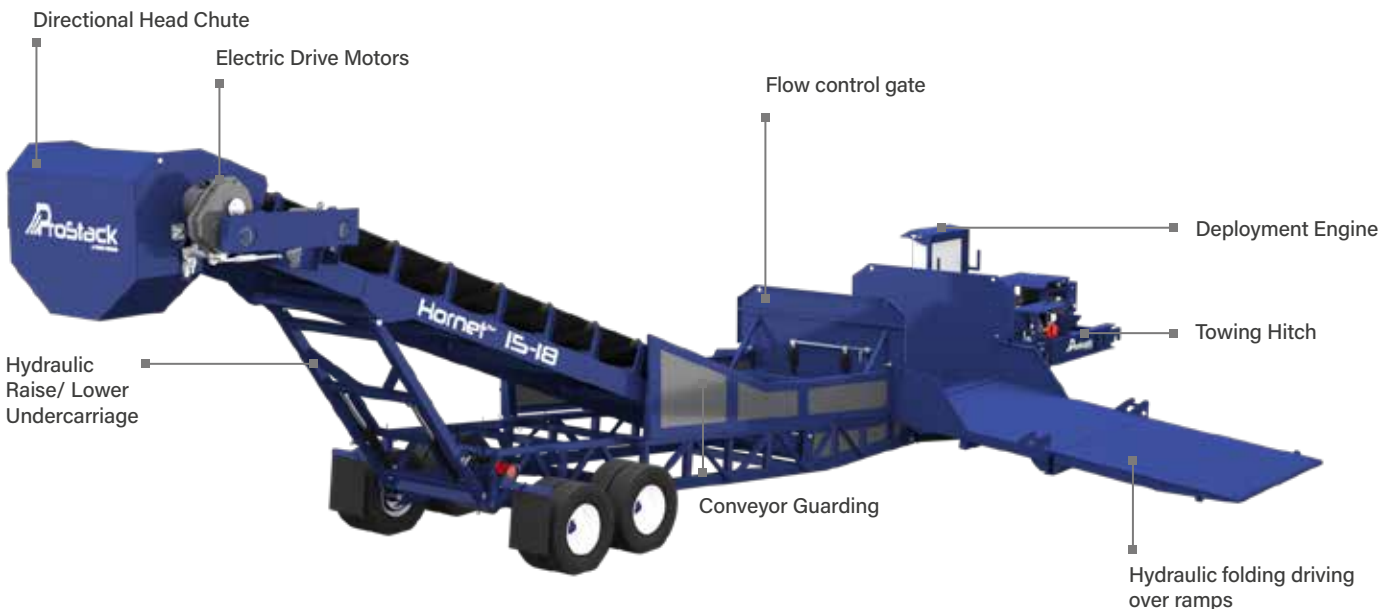
| OPTIONS   |
|---|
| Hydraulic Landing Jacks and Power Unit                      |
| Wireless Remote-Control System                              |
| Additional Remote   |
| Vulcanized Belt Splice                                      |
| Central Automated Lubrication System                        |
| Continuous Cycling Ramps & Hot Climate Hydraulic Protection |
| Cold Weather Hydraulic Oil Tank Heater                      |
| Walkway over Belt - with stairs                             |
| Onboard Genset- 250KW Genset to power Hornet & Telson       |
| Feed Hopper- 17 cubic yard Integrated reception Hopper      |
| Containerization - break down and pack into 3 containers    |

# HORNET™ 15-18

## BULK RECEPTION FEEDER

The Hornet™ 15-18 Portable Bulk Reception Feeder has a 56 foot long and 72 inches wide conveyor belt and is built to handle the toughest jobs. This Heavy Duty Bulk Reception Feeder allows for the highest level of productivity and efficiency for loading and unloading trucks, ships, trains and more.

The Hornet series is purpose built to accept load from rear tip, articulated and belly feed trucks. Allowing the port operation to tip directly into conveyor rather than on the quayside allows for truck-to-ship loading. Throughout the process, the Hornet series can either be used to load directly into vessel or more commonly be used to directly feed larger ProStack shiploading equipment.



| TRANSPORT DIMENSIONS   | Hornet™ 15-18      |
|------------------------|--------------------|
| Length                 | 21.65m (71')       |
| Width                  | 3.65m (11' 12")    |
| Height                 | 4m (13' 1")        |
| Weight (Est.)          | 23950kg (52,700lb) |
| Containerised shipping | 4 x 40ft High Cube |

| CONVEYOR DETAILS      | Hornet™ 15-18                                  |
|-----------------------|--|
| Conveyor length       | 17m (56')                                      |
| Belt width            | 1800mm (72")                                   |
| Min. Discharge height | 3.52m (11' 6") @15 deg                         |
| Max. discharge height | 4.66m (15' 3") @ 21 deg                        |
| Production capacity   | 1500 TPH @1600kg m <sup>3</sup><br>(1650 STPH) |

| OPTIONS   |
|---|
| Hydraulic Landing Jacks and Power Unit                      |
| Wireless Remote-Control System                              |
| Additional Remote   |
| Vulcanized Belt Splice                                      |
| Central Automated Lubrication System                        |
| Continuous Cycling Ramps & Hot Climate Hydraulic Protection |
| Cold Weather Hydraulic Oil Tank Heater                      |
| Walkway over Belt - with stairs                             |
| Onboard Genset- 250KW Genset to power Hornet & Telson       |
| Feed Hopper- 17 cubic yard Integrated reception Hopper      |
| Containerization - break down and pack into 3 containers    |

ProStack  
Bulk Handling Solutions



## Port Hopper Series



# Manta™ 60

## PORT UNLOADING EQUIPMENT

The Manta™ 60 Port Hopper has a Material Density Range of 0.5 to 1.2. It comes in an in-line tow chassis configuration with a removable tow bar. It is suitable for applications with restricted quay widths.

Loaded with a crane and grab, Manta hoppers are a robust, reliable and efficient bulk handling solutions - customized to the product, terminal and specifications of our clients.

### Features:

- ✓ Ease of use
- ✓ Robust
- ✓ Torsionally stiff frame
- ✓ Patented load equalizing suspension
- ✓ High quality steel
- ✓ Flexible material handling

### Overview

|                        |                               |
|------------------------|-------------------------------|
| Hopper Aperture        | 6m x 6m                       |
| Machine height         | 9m                            |
| Hopper capacity        | 50m <sup>3</sup> (Below Grid) |
| Mobility               | Detachable Tow bar            |
| Discharge              | Hydraulic Slide               |
| Power                  | Plug in & Onboard Genset      |
| Material Density Range | 0.5 to 1.2                    |

### Standard Specifications

|                                      |
|--------------------------------------|
| 33 KVA Generator                     |
| Single hydraulic 500mm slide         |
| Hydraulic Wheel jacking              |
| Operator cabin with Joystick Control |
| Access Ladder to Thimble             |
| Out-Loading Rubber Chute             |
| Detachable 5th wheel lift point      |
| Travel Beacon and Siren              |
| Machine Quayside Lighting            |
| One Colour Paint Scheme              |
| LD Trash Grid (200x200 Aperture)     |



*Image shown*

*In-line Tow Chassis configuration*

*Removable Tow bar Suitable for applications with restricted Quay widths*

### Options

|                                       |
|---------------------------------------|
| Single hydraulic 700mm slide upgrade  |
| Air conditioning unit                 |
| FM Radio                              |
| Port Operators radio - Pedal Operated |
| Thimble Wash down Line                |
| Towing Light System                   |
| Floodlight Quayside lighting          |
| Client Colour Scheme                  |
| Traffic Light System                  |
| Tannoy System                         |
| HD Trash Grid 300x300 aperture        |
| HD Trash Grid 350x350 aperture        |
| Cable Reel                            |

# Manta™ 70

## PORT UNLOADING EQUIPMENT

The Manta™ 70 Port Hopper has a Material Density Range of 0.5 to 1.2. It comes with an in-line tow chassis configuration and a removable tow bar. It is suitable for applications with restricted quay widths.

Loaded with a crane and grab, Manta hoppers are a robust, reliable and efficient bulk handling solutions - customized to the product, terminal and specifications of our clients.

### Features:

- ✓ Ease of use
- ✓ Robust
- ✓ Torsionally stiff frame
- ✓ Patented load equalizing suspension
- ✓ High quality steel
- ✓ Flexible material handling

### Overview

|                        |                               |
|------------------------|-------------------------------|
| Hopper Aperture        | 7m x 7m                       |
| Machine height         | 9.5m                          |
| Hopper capacity        | 60m <sup>3</sup> (Below Grid) |
| Mobility               | Detachable Tow bar            |
| Discharge              | Hydraulic Slide               |
| Power                  | Plug in & Onboard Genset      |
| Material Density Range | 0.5 to 1.2                    |

### Standard Specifications

|                                      |
|--------------------------------------|
| 33 KVA Generator                     |
| Single hydraulic 500mm slide         |
| Hydraulic Wheel jacking              |
| Operator cabin with Joystick Control |
| Access Ladder to Thimble             |
| Out-Loading Rubber Chute             |
| Detachable 5th wheel lift point      |
| Travel Beacon and Siren              |
| Machine Quayside Lighting            |
| One Colour Paint Scheme              |
| LD Trash Grid (200x200 Aperture)     |



### Image shown

*In-line Tow Chassis configuration*

*Removable Tow bar Suitable for applications with restricted Quay widths*

### Options

|                                       |
|---------------------------------------|
| Single hydraulic 700mm slide upgrade  |
| Air conditioning unit                 |
| FM Radio                              |
| Port Operators radio - Pedal Operated |
| Thimble Wash down Line                |
| Towing Light System                   |
| Floodlight Quayside lighting          |
| Client Colour Scheme                  |
| Traffic Light System                  |
| Tannoy System                         |
| HD Trash Grid 300x300 aperture        |
| HD Trash Grid 350x350 aperture        |
| Cable Reel                            |

# Manta™ 75

## PORT UNLOADING EQUIPMENT

The Manta™ 75 Port Hopper has a Material Density Range of 0.5 to 1.0. It comes with a fixed tow chassis configuration.

Loaded with a crane and grab, Manta hoppers are a robust, reliable and efficient bulk handling solutions - customized to the product, terminal and specifications of our clients.



### Features:

- ✓ Ease of use
- ✓ Robust
- ✓ Torsionally stiff frame
- ✓ Patented load equalizing suspension
- ✓ High quality steel
- ✓ Flexible material handling

### Overview

|                        |                          |
|------------------------|--------------------------|
| Hopper Aperture        | 7.5m x 7.5m              |
| Machine height         | 9.570m                   |
| Hopper capacity        | 60m³ (Below Grid)        |
| Mobility               | Fixed Towable            |
| Discharge              | Hydraulic Slide          |
| Power                  | Plug in & Onboard Genset |
| Material Density Range | 0.5 to 1.0               |

### Standard Specifications

|                                      |
|--------------------------------------|
| 33 KVA Generator                     |
| Single hydraulic 500mm slide         |
| Hydraulic Wheel jacking              |
| Operator cabin with Joystick Control |
| Access Ladder to Thimble             |
| Out-Loading Rubber Chute             |
| Detachable 5th wheel lift point      |
| Travel Beacon and Siren              |
| Machine Quayside Lighting            |
| One Colour Paint Scheme              |
| LD Trash Grid (200x200 Aperture)     |

*Image shown*

*Fixed Tow Chassis configuration*

### Options

|  |
|--|
| Air conditioning unit                            |
| Hydraulic operated slide upgrade (Based on Spec) |
| FM Radio   |
| Port Operators radio - Pedal Operated            |
| Thimble Wash down Line                           |
| Towing Light System                              |
| Floodlight Quayside lighting                     |
| Client Colour Scheme                             |
| Traffic Light System                             |
| Tannoy System                                    |
| LD Trash grid upgrade                            |
| Cable Reel                                       |
| Flex Flap System                                 |

# Manta™ 67

## PORT UNLOADING EQUIPMENT

The Manta™ 67 Port Hopper has a Material Density Range of 0.5 to 1.5. It comes with a fixed tow chassis configuration.

Loaded with a crane and grab, Manta hoppers are a robust, reliable and efficient bulk handling solutions - customized to the product, terminal and specifications of our clients.

### Features:

- ✓ Ease of use
- ✓ Robust
- ✓ Torsionally stiff frame
- ✓ Patented load equalizing suspension
- ✓ High quality steel
- ✓ Flexible material handling



### Overview

|                        |                          |
|------------------------|--------------------------|
| Hopper Aperture        | 6.7m x 6.7m              |
| Machine height         | 8.896m                   |
| Hopper capacity        | 61.3m³ (Below Grid)      |
| Mobility               | Fixed Towable            |
| Discharge              | Hydraulic Slide          |
| Power                  | Plug in & Onboard Genset |
| Material Density Range | 0.5 to 1.0               |

### Standard Specifications

|                                      |
|--------------------------------------|
| 33 KVA Generator                     |
| Single hydraulic 500mm slide         |
| Hydraulic Wheel jacking              |
| Operator cabin with Joystick Control |
| Access Ladder to Thimble             |
| Out-Loading Rubber Chute             |
| Fixed 5th wheel lift point           |
| Travel Beacon and Siren              |
| Machine Quayside Lighting            |
| One Colour Paint Scheme              |
| HD Trash Grid 300x300 aperture       |

### Image shown

*In-line Tow Chassis configuration*

*Removable Tow bar Suitable for applications with restricted Quay widths*

### Options

|                                       |
|---------------------------------------|
| Single hydraulic 700mm slide upgrade  |
| Air conditioning unit                 |
| FM Radio                              |
| Port Operators radio - Pedal Operated |
| Thimble Wash down Line                |
| Towing Light System                   |
| Floodlight Quayside lighting          |
| Client Colour Scheme                  |
| Traffic Light System                  |
| Tannoy System                         |
| LD Trash grid upgrade                 |
| Cable Reel                            |



# Manta™ 67HD

## PORT UNLOADING EQUIPMENT

The Manta™ 67HD Port Hopper has a Material Density Range of 0.75 to 1.6. It comes with a tow chassis configuration and there is a self drive and Flex-Flap system upgrade available.

Loaded with a crane and grab, Manta hoppers are a robust, reliable and efficient bulk handling solutions - customized to the product, terminal and specifications of our clients.

### Features:

- ✓ Ease of use
- ✓ Robust
- ✓ Torsionally stiff frame
- ✓ Patented load equalizing suspension
- ✓ High quality steel
- ✓ Flexible material handling



### Overview

|                        |                                   |
|------------------------|-----------------------------------|
| Hopper Aperture        | 6.7m x 6.7m                       |
| Machine height         | 10,028m                           |
| Hopper capacity        | 60m³ (Below Grid)                 |
| Mobility               | Fixed Towable (Self Drive Option) |
| Discharge              | Hydraulic Slide                   |
| Power                  | Plug in & Onboard Genset          |
| Material Density Range | 0.75 to 1.6                       |

### Standard Specifications

|                                      |
|--------------------------------------|
| 33 KVA Generator                     |
| Single hydraulic 700mm slide         |
| Hydraulic Wheel jacking              |
| Operator cabin with Joystick Control |
| Air conditioning unit                |
| Access Ladder to Thimble             |
| Out-Loading Rubber Chute             |
| 5th wheel lift point                 |
| Travel Beacon and Siren              |
| Machine Quayside Lighting            |
| One Colour Paint Scheme              |
| HD Trash Grid (300x300 Aperture)     |

*Image shown*

*Tow Chassis configuration*

*Self Drive and Flex-Flap system upgrade available*

### Options

|  |
|--|
| Hydraulic operated slide upgrade (Based on Spec) |
| FM Radio   |
| Port Operators radio - Pedal Operated            |
| Thimble Wash down Line                           |
| Self Drive Up-Grade                              |
| Towing Light System                              |
| Floodlight Quayside lighting                     |
| Client Colour Scheme (Based on Spec)             |
| Traffic Light System                             |
| Tannoy System                                    |
| HD Trash grid 350x350 aperture                   |
| Flex Flap System                                 |
| Cable Reel                                       |

# Manta™ 63HD

## PORT UNLOADING EQUIPMENT

The Manta™ 63HD Port Hopper is the largest in the standard range and has a Material Density Range of 0.75 to 1.8. It has a hopper capacity of up to 80m<sup>3</sup> and a height of 13.6m.

Loaded with a crane and grab, Manta hoppers are a robust, reliable and efficient bulk handling solutions - customized to the product, terminal and specifications of our clients.

### Features:

- ✓ Ease of use
- ✓ Robust
- ✓ Torsionally stiff frame
- ✓ Patented load equalizing suspension
- ✓ High quality steel
- ✓ Flexible material handling

### Overview

|                        |  |
|------------------------|--|
| Hopper Aperture        | 6.3m x 6.3m  |
| Machine height         | 13,600m  |
| Hopper capacity        | 60m <sup>3</sup> (with Filtration)<br>80m <sup>3</sup> (with Filtration) |
| Mobility               | Self Drive   |
| Discharge              | Hydraulic Slide  |
| Power                  | Plug in & Onboard Genset   |
| Material Density Range | 0.75 to 1.8  |

### Standard Specifications

|                                      |
|--------------------------------------|
| 110 KVA Generator                    |
| Twin hydraulic 500mm slide           |
| Hydraulic Wheel jacking              |
| Operator cabin with Joystick Control |
| Air conditioning unit                |
| Access Ladder to Thimble             |
| Thimble wash down lines              |
| Out-Loading Rubber Chute             |
| Self Drive                           |
| Travel Beacon and Siren              |
| Machine Quayside Lighting            |
| One Colour Paint Scheme              |
| HD Trash Grid (300x300 Aperture)     |
| Flex Flap System                     |



*Image shown  
Fitted with Dual Hopper Outlet*

### Options

|   |
|---|
| Single hydraulic 700mm slide (replaces 500mm Slide) |
| Air conditioning unit                               |
| FM Radio  |
| Port Operators radio - Pedal Operated               |
| Thimble Wash down Line                              |
| Towing Light System                                 |
| Floodlight Quayside lighting                        |
| Client Colour Scheme                                |
| Traffic Light System                                |
| Tannoy System                                       |
| HD Trash Grid 300x300 aperture                      |
| HD Trash Grid 350x350 aperture                      |
| Cable Reel  |

# Manta™ 63HD-ECO

## PORT UNLOADING EQUIPMENT

The Manta 63HD-ECO Environmental Port Hopper is the largest of the standard range and has a Material Density Range of 0.75 to 1.8. It has a hopper capacity of up to 80m<sup>3</sup> and a height of 13.6m. A full dust encapsulation filtration systems ensures a clean and healthy environment during operation.

Loaded with a crane and grab, Manta hoppers are a robust, reliable and efficient bulk handling solutions - customized to the product, terminal and specifications of our clients.

### Features:

- ✓ Ease of use
- ✓ Robust
- ✓ Torsionally stiff frame
- ✓ Patented load equalizing suspension
- ✓ High quality steel
- ✓ Flexible material handling

### Overview

|                        |  |
|------------------------|--|
| Hopper Aperture        | 6.3m x 6.3m  |
| Machine height         | 13,600m  |
| Hopper capacity        | 60m <sup>3</sup> (with Filtration)<br>80m <sup>3</sup> (with Filtration) |
| Mobility               | Self Drive   |
| Discharge              | Hydraulic Slide  |
| Power                  | Plug in & Onboard Genset   |
| Material Density Range | 0.75 to 1.8  |

### Standard Specifications

|                                      |
|--------------------------------------|
| 110 KVA Generator                    |
| Twin hydraulic 500mm slide           |
| Hydraulic Wheel jacking              |
| Operator cabin with Joystick Control |
| Air conditioning unit                |
| Access Ladder to Thimble             |
| Thimble wash down lines              |
| Out-Loading Rubber Chute             |
| Self Drive                           |
| Travel Beacon and Siren              |
| Machine Quayside Lighting            |
| One Colour Paint Scheme              |
| HD Trash Grid (300x300 Aperture)     |
| Flex Flap System                     |
| Aspirated Dust Contril Filters       |
| Reverse jet Filter Clening           |



*Image shown*

*Fitted with Dual Hopper Outlet*

*Aspirated dust control Filters*

### Options

|   |
|---|
| Twin Hydraulic operated Slide Upgrade to 700mm        |
| FM Radio  |
| Port Operators radio - Pedal Operated                 |
| Out-Loading retractable Bellows                       |
| Floodlight Quayside lighting                          |
| Client Colour Scheme (Based on spec)                  |
| Traffic Light System                                  |
| Tannoy System   |
| HD Trash Grid 350x350 aperture upgrade                |
| Aspirated Dust Control Filters (Based on Product)     |
| Reverse Jet Filter Cleaning System (Based on Product) |
| Cable Reel  |



**TAILOR MADE SOLUTIONS**

From our small standard range up to our large rail mounted multiple discharge configurations, you will get the right solution for you.

**“ We Will Work With You to Develop a Cost-Effective, 'Fit For Purpose' Ship-Unloader For Your Port ”**



**Ranger**

Tracked Conveyor  
Series



# Ranger™ 5-21T & Ranger™ 5-24T TRACKED CONVEYORS

The ProStack Ranger™ series is made up of tracked conveyors in both high level and low level specifications. Heavy duty tracks as standard make these conveyors highly portable and versatile enough for many different applications. Each machine is easily transported while select models feature rotating undercarriages. Using conveyors means increased stockpile capacity and reduced on-site material handling. For convenience and to keep shipping costs low, Prostack conveyors can be transported in a 40ft container. The range includes 65ft and 80ft track mobile conveyors: Ranger™ 5-21T and Ranger™ 5-24T.

| TRANSPORT DIMENSIONS   | Ranger™ 5-21T            | Ranger™ 5-24T            |
|------------------------|--------------------------|--------------------------|
| Length                 | 11.3m (37')              | 11.88m (38' 11")         |
| Width                  | 2.25m (7' 4")            | 2.25m (7' 4")            |
| Height                 | 2.65m (8' 8")            | 2.88m (9' 5")            |
| Weight (Est.)          | 13,820kgs<br>(30,467lbs) | 16,750kgs<br>(36,927lbs) |
| Containerised shipping | 1 x 40ft High Cube       | 1 x 40ft High Cube       |

| CONVEYOR DETAILS      | Ranger™ 5-21T                 | Ranger™ 5-24T                 |
|-----------------------|-------------------------------|-------------------------------|
| Conveyor length       | 19.79m (64' 11")              | 22.8m (74' 10")               |
| Belt width            | 1050mm (42")                  | 1050mm (42")                  |
| Discharge height      | 9.1m (29'10") @ 24°           | 9.9m (32' 5") @ 24°           |
| Max. discharge height | 9.45m (31') @ 28°             | 10.41m (34'11") @ 25°         |
| Production capacity   | Up to 500 TPH<br>(551 US TPH) | Up to 500 TPH<br>(551 US TPH) |

| OPTIONS*   | Ranger™ 5-21T | Ranger™ 5-24T |
|--|---------------|---------------|
| Feedboot liners: AR400 plate or 20mm rubber                                      | ▪             | ▪             |
| Feedboot extension with liners   | ▪             | ▪             |
| Large capacity biomass hopper  | ▪             | ▪             |
| Chevron belt   | ▪             | ▪             |
| Twin hydraulic drive discharge conveyor  | ▪             | ▪             |
| Aluminium dust covers  | ▪             | ▪             |
| Spray bar at head drum   | ▪             | ▪             |
| Full length skirting rubber  | ▪             | ▪             |
| Overband magnet with hydraulic kit and support frames                            | ▪             | ▪             |
| Hybrid complete with hydraulic and electric conveyor drive (400 TPH)             | ▪             | ▪             |
| Twin Electric Drive 2 x 11kw motors (Hydraulic Conveyor Drive Removed) (400 tph) | ▪             | ▪             |
| Radio Remote to track machine  | ▪             | ▪             |

\* Refer to order form for current listing of options available.



Folding tail section



Steel lined feedboot as standard providing extended wear life. Feedboot extensions and rubber lined options also available

Hydraulic angle adjustment for easy plant integration.  
Hydraulic adjustment for variable feed height reduces impact and provides optimal material transfer.

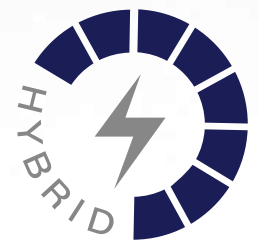
Folding head section

Compact folding mechanism allows containerised shipping as one unit

Pinless deployment

Tier 3: Deutz DT011 36kW (45hp)  
Stage V and Tier 4: Caterpillar C2.2 - 55kW (74hp)  
Fuel tank volume 200L (58 US GAL)

Dual-speed tracks for quick and controlled deployment



REDUCED COST



SITE OPERATING EFFICIENCY



ENVIRONMENTAL CONSIDERATIONS



IMPROVE HEALTH & SAFETY



PRODUCT QUALITY

# Ranger™ 6-24TR

## RADIAL TRACKED CONVEYOR

The Ranger™ 6-24TR tracked radial stockpiling conveyor is the ideal solution for stockpiling after mobile crushing and screening plants. The mobility and flexibility of the radial stockpiling conveyors reduces the use of a wheel loader on site. The conveyors ensure all applications are catered for from the easiest, right through to the hardest.



| TRANSPORT DIMENSIONS | Ranger™ 6-24TR       |
|----------------------|----------------------|
| Length               | 15.2m (49' 10")      |
| Width                | 2.52m (8' 3")        |
| Height               | 3.43m (11' 3")       |
| Weight (Est.)        | 19,800kg (43,651lbs) |

| CONVEYOR DETAILS      | Ranger™ 6-24TR               |
|-----------------------|------------------------------|
| Conveyor length       | 22.9m (74' 10")              |
| Belt width            | 1050mm (42")                 |
| Discharge height      | 9m (29' 6") @ 18°            |
| Max. discharge height | 10.9m (34' 9") @ 23°         |
| Production capacity   | Up to 600TPH<br>(661 US TPH) |

| OPTIONS*   |
|--|
| Feedboot liners: AR400 plate or 20mm rubber              |
| Feedboot extension with liners                           |
| Impact bed at feedboot area                              |
| Anti-roll back flaps                                     |
| Chevron belt   |
| Heavy duty plain belt                                    |
| Twin hydraulic drive discharge conveyor                  |
| High spec discharge conveyor head drum scraper           |
| Dust hood  |
| Canvas dust covers                                       |
| Dust suppression water spray bar at head drum            |
| Full length skirting rubber                              |
| Grease lines to head drum bearings on discharge conveyor |
| Belt weigher   |
| Radio remote to stop/start, raise/lower conveyor         |
| Radio Remote to track machine                            |
| Auto radial & raise function                             |
| Containerised freight                                    |

\* Refer to order form for current listing of options available.



# Ranger™ 24-RS

## RADIAL WHEELED CONVEYOR

The Ranger™ 24-RS radial conveyor is designed to be one of the most cost efficient and effective ways of stockpiling material on the market. Available in either Pit or Road towable variants, the Ranger 24-RS offers a variety of different options which means it can meet the requirements of almost all applications. This simple but efficient radial conveyor is available in both electric and hydraulic drive systems and can be tailored to meet operator needs. Key applications include quarrying, aggregates and mining.



**SHOWING:  
ROAD CHASSIS,  
HYDRAULIC WITH CAT ENGINE**

| TRANSPORT DIMENSIONS            | Ranger™ 24-RS   |   |
|---------------------------------|---|---|
|                                 | ROAD TOWABLE  | PIT PORTABLE  |
| Length                          | 16.17m (52' 11")  | 16.55m (54' 3")   |
| Width                           | 2.5m (8' 3")  | 3.1m (10' 2")   |
| Height                          | 3.36m (11')   | 3.95m (12' 11")   |
| Weight (Est.) with full options | 10,000kgs (22,046lbs)                                     |   |
| Containerised shipping          | 1 x 40ft Open Top High Cube<br>(2 machines per container) | 1 x 40ft Open Top High Cube<br>(2 machines per container) |

| CONVEYOR DETAILS      | Ranger™ 24-RS               |
|-----------------------|-----------------------------|
| Conveyor length       | 22.9m (74' 10")             |
| Belt width            | 914mm (36")                 |
| Max. discharge height | 9.2m (30' 1")               |
| Production capacity   | Up to 300TPH<br>(330US TPH) |

| OPTIONS*                                  |
|---|
| Pull cord E-Stop                          |
| Feedboot Lined 6mm wearplate              |
| Feedboot extensions                       |
| Chevron Belt                              |
| Heavy Duty Belt                           |
| Conveyor underguard length of mid-section |
| Canvas dust covers                        |
| Hydraulic angle adjust                    |
| Hydraulic fold over for transport         |
| Hydraulic axle jacking legs               |
| Single radial wheel drive                 |

\* Refer to order form for current listing of options available.

# Ranger™ 6-31T

## TRACKED CONVEYOR

The Ranger™ 6-31T builds on the hugely successful ProStack Ranger™ 5-21T and Ranger™ 5-24T conveyors. The extra length of conveyor, and increased power, allows for maximum mobility and flexibility, reducing or eliminating the use of wheeled loaders on site. The conveyor can cope with all applications, from light duty screened material, through to jaw applications. The Conveyor is 100ft long and still retains the ability to be transported worldwide in a 40ft container.



| TRANSPORT DIMENSIONS   | Ranger™ 6-31T        |
|------------------------|----------------------|
| Length                 | 11.9m (39')          |
| Width                  | 2.84m (9'4")         |
| Height                 | 3.43m (11' 3")       |
| Weight (Est.)          | 21,800kg (48,060lbs) |
| Containerised shipping | 1 x 40ft High Cube   |

| CONVEYOR DETAILS      | Ranger™ 6-31T                |
|-----------------------|------------------------------|
| Conveyor length       | 30.1m (98'9").               |
| Belt width            | 1050mm (42")                 |
| Discharge height      | 10.1m (33' 1") @ 18°         |
| Max. discharge height | 13.1m (43' 11") @ 25°        |
| Production capacity   | Up to 600TPH<br>(661 US TPH) |

| OPTIONS*   |
|--|
| Feedboot liners: AR400 plate or 20mm rubber              |
| Feedboot extension with liners                           |
| Impact bed at feedboot area                              |
| Anti-roll back flaps                                     |
| Chevron belt   |
| Heavy duty plain belt                                    |
| Twin hydraulic drive discharge conveyor                  |
| High spec scraper on discharge conveyor at head drum     |
| Dust hood  |
| Canvas dust covers                                       |
| Dust suppression water spray bar at head drum            |
| Full length skirting rubber                              |
| Overband magnet with hydraulic kit and support frames    |
| Grease lines to head drum bearings on discharge conveyor |
| Radio remote to track machine                            |

\* Refer to order form for current listing of options available.

\*\* Contact factory for availability.



# Tracked Feeders Series





# Ranger™ 4-15H HIGH LEVEL FEEDER

The Ranger™ 4-15 High Level Feeder has a high level of portability and is suited to almost any working environment. Operators have the ability to stockpile directly from crushers, screens or other material source removing the need for double handling of material. This greatly reduces site traffic, labour and maintenance costs.

Key applications include quarrying, aggregates and mining.



| TRANSPORT DIMENSIONS   | Ranger™ 4-15H       |
|------------------------|---------------------|
| Length                 | 12.16m (39' 11")    |
| Width                  | 2.29m (7' 6")       |
| Height                 | 2.55m (8' 4")       |
| Weight (Std.)          | 13,240kg (29189lbs) |
| Containerised shipping | 1 x 40ft High Cube  |

| CONVEYOR DETAILS      | Ranger™ 4-15H                 |
|-----------------------|-------------------------------|
| Conveyor length       | 15.6m (51'2").                |
| Belt width            | 1050mm (42")                  |
| Max. discharge height | 7.2m (23'8")                  |
| Production capacity   | Up to 450 TPH<br>(496 US TPH) |

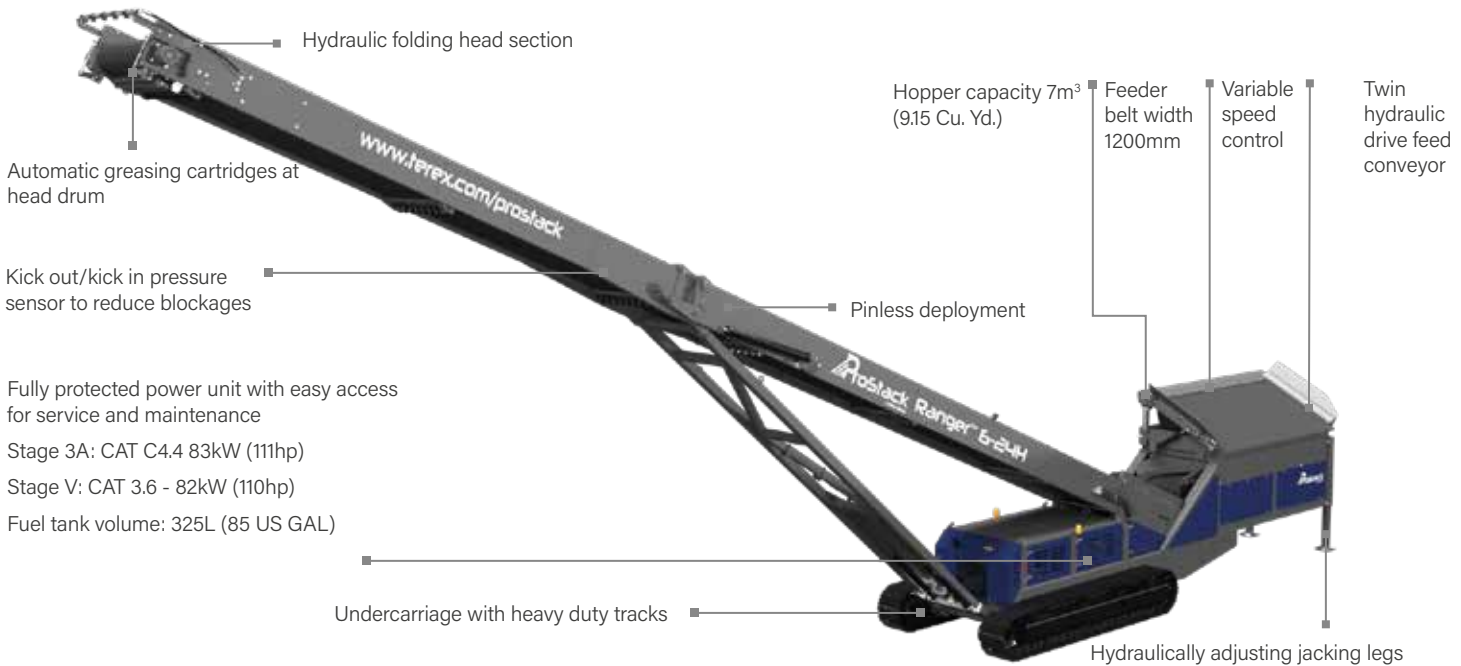
\* Refer to order form for current listing of options available.

## OPTIONS\*

|   |
|---|
| Hopper upgrade  |
| 12ft Single Deck vibrating grid   |
| 12ft Tipping Grid with 4", 5" or 6" Grid Cassette                           |
| Integrated Fall break system bolted into hopper                             |
| Anti-Roll Back Flaps  |
| Chevron Belt  |
| Heavy Duty Plain Belt   |
| High Spec Scraper Discharge Conveyor at Head Drum on Discharge Conveyor     |
| Discharge Conveyor Underguard Length of Mid-Section                         |
| Pull Cord E-Stop  |
| Canvas Dust Covers  |
| Spray Bar at Head Drum on Discharge Conveyor                                |
| Full Length skirting rubber along Discharge Conveyor                        |
| Belt Weigher  |
| Low Level Grease Lines to Head Drum   |
| Overband Magnet on Discharge Conveyor with Hydraulic Kit and Support Frames |
| Radio Remote  |
| T-Link Telematics (Aftermarket Option)                                      |

# Ranger™ 6-24H HIGH LEVEL FEEDER

The Ranger™ 6-24H high level feeder, combines the highly versatile feeder system and stockpiling conveyor, allowing the operator to directly discharge from wheel loaders to reduce the amount of material handling on site. The fully mobile units can be used for a 'metered or controlled' feed of material into any ProStack products or other machines.



Fully protected power unit with easy access for service and maintenance

Stage 3A: CAT C4.4 83kW (111hp)

Stage V: CAT 3.6 - 82kW (110hp)

Fuel tank volume: 325L (85 US GAL)

| TRANSPORT DIMENSIONS | Ranger™ 6-24H        |
|----------------------|----------------------|
| Length               | 19.5m (63' 11")      |
| Width                | 2.75m (9')           |
| Height               | 3.12m (10' 2")       |
| Weight (Est.)        | 23,500kg (51,808lbs) |

| CONVEYOR DETAILS          | Ranger™ 6-24H                 |
|---------------------------|-------------------------------|
| Discharge conveyor length | 22.5m (73' 10")               |
| Feeder length             | 4.1m (13' 11")                |
| Belt width                | 1200mm (48")                  |
| Discharge height          | 8m (26' 3") @ 18°             |
| Max. discharge height     | 9.8m (32' 2") @ 24°           |
| Production capacity       | Up to 600 TPH<br>(661 US TPH) |

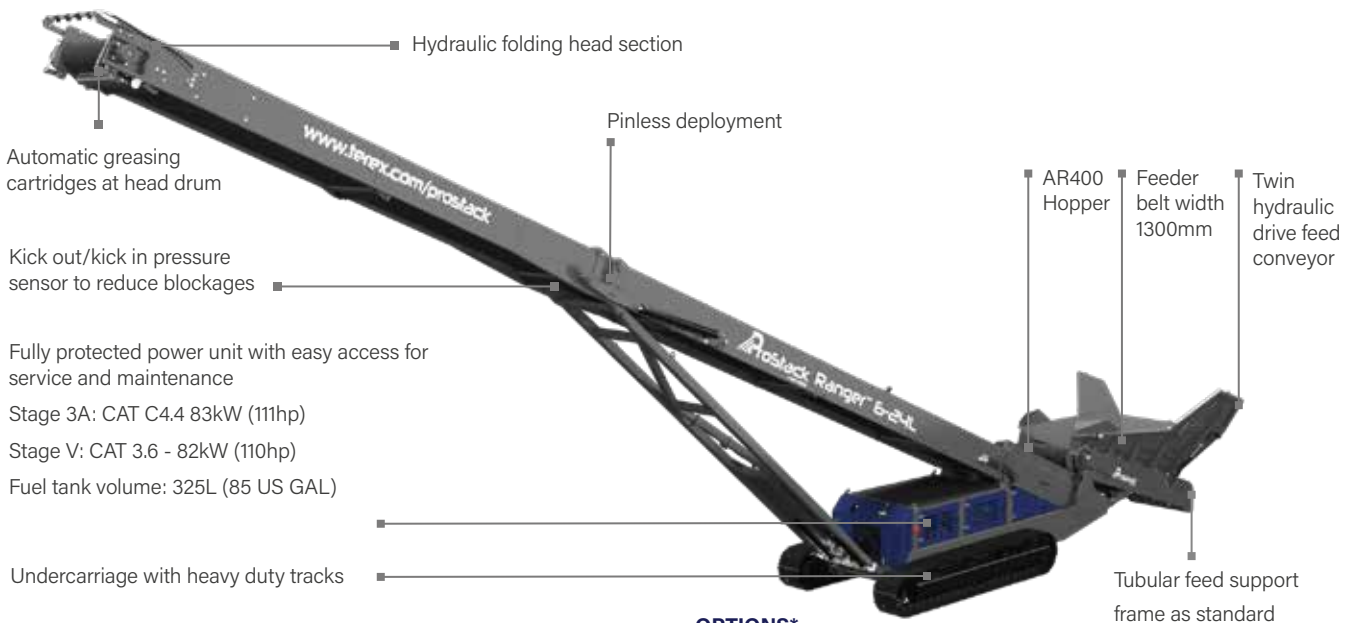
| OPTIONS*  |
|---|
| AR400 steel wear liners in hopper   |
| 4" or 6" tipping grid fitted to feed conveyor   |
| 12ft 2-Deck vibrating grid with radio control tipping bofor grid                      |
| Upgraded hopper with integrated fall break system                                     |
| Twin hydraulic drive feed conveyor  |
| Twin Hydraulic Drive Discharge Conveyor   |
| Discharge conveyor drive drum upgraded to ceramic lagging                             |
| Discharge conveyor fitted with chevron belt   |
| High spec SCS scraper discharge conveyor at head drum                                 |
| Canvas dust covers complete with dust hood on discharge conveyor                      |
| Dust suppression water spray bar at head drum on discharge conveyor                   |
| Full length skirting rubber along discharge conveyor                                  |
| Belt weigher option   |
| Overband magnet on discharge conveyor with hydraulic kit and support frames           |
| Hybrid  |
| Radio remote to stop/start feed conveyor, raise/lower discharge conveyor and tip grid |
| Radio remote to track machine   |
| Containerised freight   |

\* Refer to order form for current listing of options available.

# Ranger™ 6-24L

## LOW LEVEL FEEDER

The Ranger™ 6-24L low level feeder allows the operator to directly discharge from wheel loaders and excavators at a significantly lower feed in height compared to standard hopper feeders. The unique design of the hopper allows for rear feeding which can be an advantage when operating in restricted areas.



| TRANSPORT DIMENSIONS | Ranger™ 6-24L        |
|----------------------|----------------------|
| Length               | 19.74m (64' 9")      |
| Width                | 2.75m (9')           |
| Height               | 3.35m (11')          |
| Weight (Est.)        | 24,700kg (54,454lbs) |

| CONVEYOR DETAILS          | Ranger™ 6-24L                 |
|---------------------------|-------------------------------|
| Discharge conveyor length | 22.5m (73' 10")               |
| Feeder length             | 4.1m (13' 11")                |
| Belt width                | 1300mm (4' 3")                |
| Discharge height          | 8m (26' 3") @ 18°             |
| Max. discharge height     | 9.8m (32' 2") @ 24°           |
| Production capacity       | Up to 600 TPH<br>(661 US TPH) |

### OPTIONS\*

- AR400 steel liners bolted into hopper
- AR400 steel wear liners on hopper flares
- Large capacity hopper
- Feedboot lined with 6mm AR400 wearplate
- Feed conveyor drive drum upgraded to ceramic lagging
- Manually adjusting jacking legs
- Discharge conveyor drive drum upgraded to ceramic lagging
- Twin hydraulic drive discharge conveyor
- Discharge conveyor fitted with chevron belt
- High spec SCS scraper discharge conveyor at head drum
- Canvas dust covers complete with dust hood on discharge conveyor
- Spray bar at head drum on discharge conveyor
- Full length skirting rubber along discharge conveyor
- Belt weigher
- Overband magnet on discharge conveyor with hydraulic kit and support frames
- Hybrid
- Radio remote to stop/start feed conveyor and raise/lower discharge conveyor
- Radio remote to track machine
- Apron Feeder Max. Size: 240mm (9")
- Containerised freight

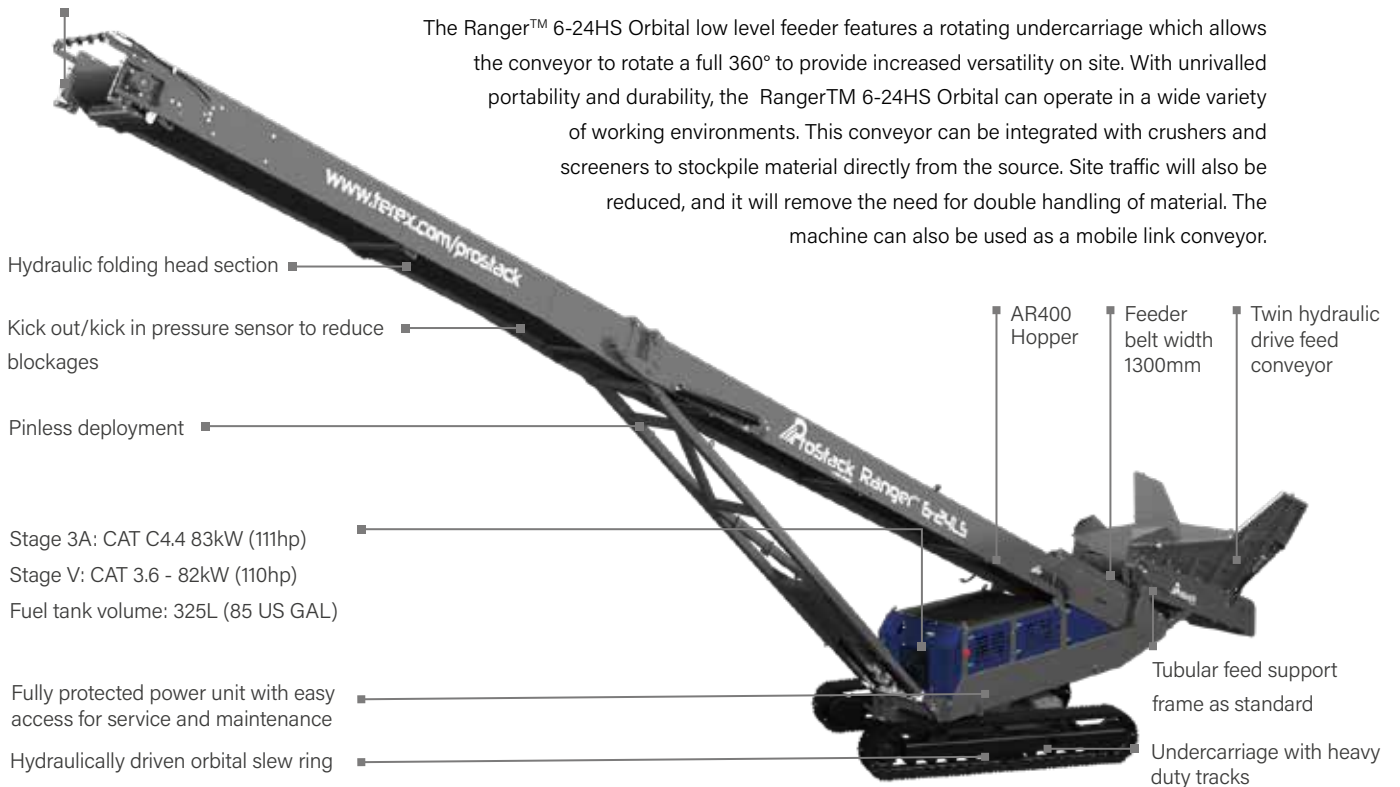
\* Refer to order form for current listing of options available.



# Ranger™ 6-24LS ORBITAL FEEDER

Automatic greasing cartridges  
at head drum

The Ranger™ 6-24HS Orbital low level feeder features a rotating undercarriage which allows the conveyor to rotate a full 360° to provide increased versatility on site. With unrivalled portability and durability, the Ranger™ 6-24HS Orbital can operate in a wide variety of working environments. This conveyor can be integrated with crushers and screeners to stockpile material directly from the source. Site traffic will also be reduced, and it will remove the need for double handling of material. The machine can also be used as a mobile link conveyor.



| TRANSPORT DIMENSIONS | Ranger™ 6-24LS       |
|----------------------|----------------------|
| Length               | 19.7m (64' 8")       |
| Width                | 3.2m (10' 6")        |
| Height               | 3.63m (11' 11")      |
| Weight (Est.)        | 29,550kg (65,146lbs) |

| CONVEYOR DETAILS          | Ranger™ 6-24LS                |
|---------------------------|-------------------------------|
| Discharge conveyor length | 22.5m (73' 10")               |
| Feeder length             | 4.1m (13' 11")                |
| Belt width                | 1300mm (4' 3")                |
| Discharge height          | 8m (26' 3") @ 18°             |
| Max. discharge height     | 10.7m (35') @ 24°             |
| Production capacity       | Up to 600 TPH<br>(661 US TPH) |

| OPTIONS*  |
|---|
| AR400 steel liners bolted into hopper                                       |
| Large capacity hopper   |
| Feedboot lined with AR400 wearplate   |
| Feed conveyor drive drum upgraded to ceramic lagging                        |
| Manually adjusting jacking legs   |
| Discharge conveyor drive drum upgraded to ceramic lagging                   |
| Twin hydraulic drive discharge conveyor                                     |
| Discharge conveyor fitted with chevron belt                                 |
| High spec SCS scraper discharge conveyor at head drum                       |
| Canvas dust covers complete with dust hood on discharge conveyor            |
| Spray bar at head drum on discharge conveyor                                |
| Full length skirting rubber along discharge conveyor                        |
| Belt weigher  |
| Overband magnet on discharge conveyor with hydraulic kit and support frames |
| Apron Feeder Max. Size: 240mm (9")  |
| Containerised freight   |

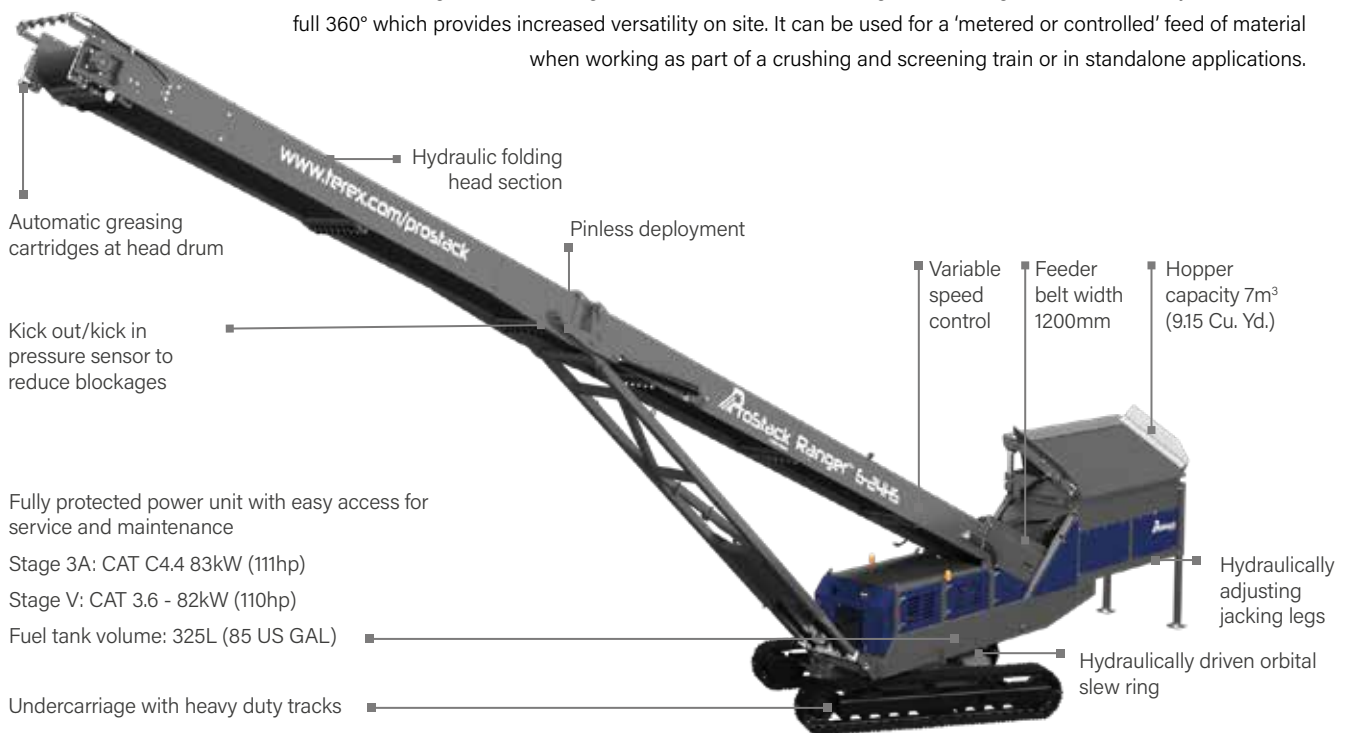
\* Refer to order form for current listing of options available.



# Ranger™ 6-24HS ORBITAL FEEDER



The Ranger™ 6-24HS Orbital high level feeder permits operators to directly discharge to the hopper/feeder from excavators or wheel loaders eliminating double handling of material on site. The rotating undercarriage allows the conveyor to rotate a full 360° which provides increased versatility on site. It can be used for a 'metered or controlled' feed of material when working as part of a crushing and screening train or in standalone applications.



| TRANSPORT DIMENSIONS | Ranger™ 6-24HS       |
|----------------------|----------------------|
| Length               | 19.5m (63')          |
| Width                | 3.2m (10' 6")        |
| Height               | 3.63m (11' 11")      |
| Weight (Est.)        | 29,300kg (64,595lbs) |

| CONVEYOR DETAILS          | Ranger™ 6-24HS                |
|---------------------------|-------------------------------|
| Discharge conveyor length | 22.5m (73' 10")               |
| Feeder length             | 4.1m (13' 11")                |
| Belt width                | 1200 mm (48")                 |
| Discharge height          | 8.80m (28' 2") @ 18°          |
| Max. discharge height     | 10.7m (34' 6") @ 24°          |
| Production capacity       | Up to 600 TPH<br>(661 US TPH) |

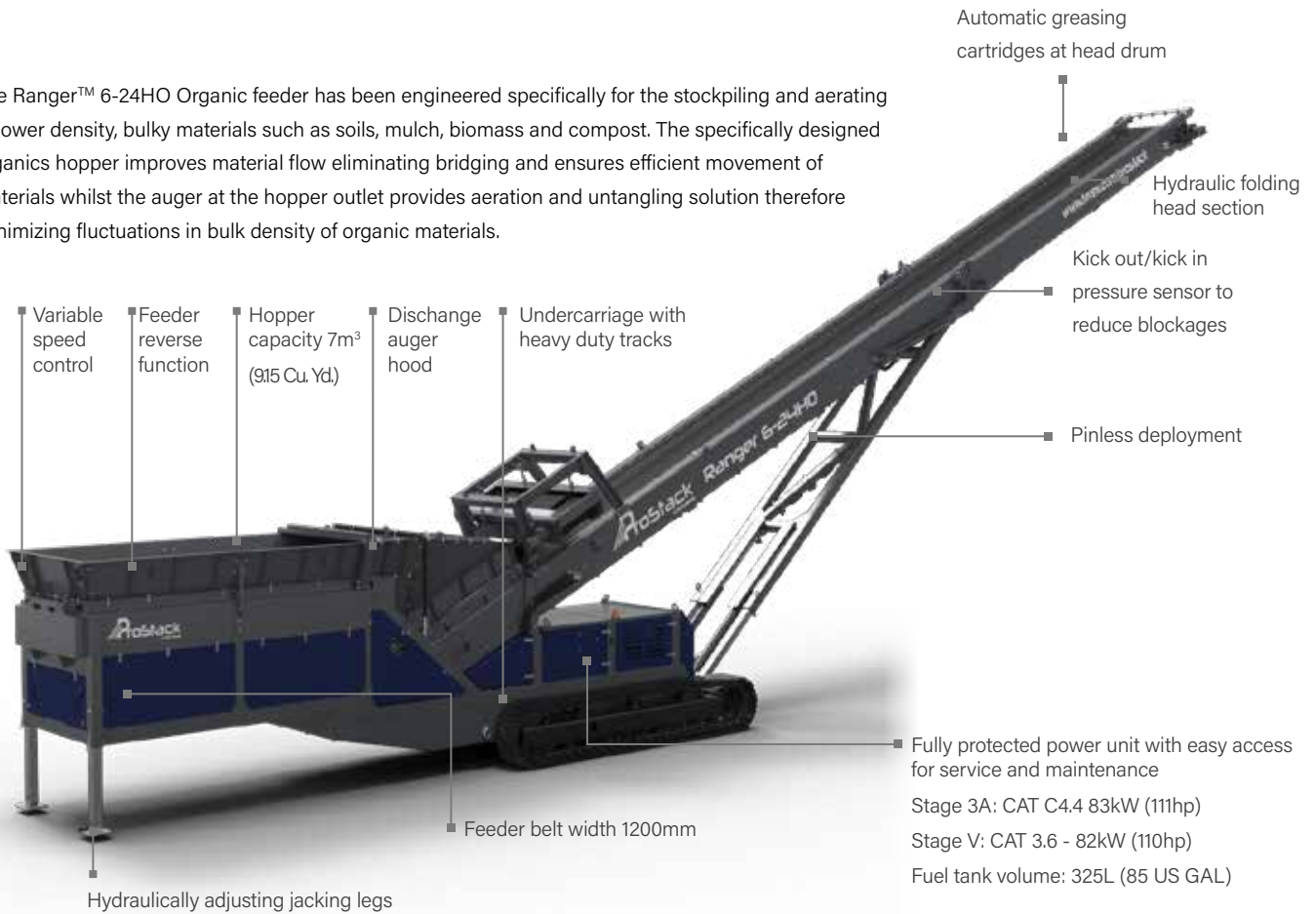
| OPTIONS*  |
|---|
| AR400 steel wear liners in hopper   |
| 4" or 6" tipping grid option  |
| 12ft 2-Deck vibrating grid with radio control tipping bofor grid            |
| Upgraded hopper with integrated Fall Break System                           |
| Twin hydraulic drive feed conveyor  |
| Twin hydraulic drive discharge conveyor                                     |
| Discharge conveyor drive drum upgraded to ceramic lagging                   |
| Discharge conveyor fitted with chevron belt                                 |
| High spec SCS scraper discharge conveyor at head drum                       |
| Canvas dust covers complete with dust hood on discharge conveyor            |
| Spray bar at head drum on discharge conveyor                                |
| Full length skirting rubber along discharge conveyor                        |
| Belt weigher  |
| Overband magnet on discharge conveyor with hydraulic kit and support frames |
| Containerised freight   |

\* Refer to order form for current listing of options available.

# Ranger™ 6-24HO

## ORGANIC FEEDER

The Ranger™ 6-24HO Organic feeder has been engineered specifically for the stockpiling and aerating of lower density, bulky materials such as soils, mulch, biomass and compost. The specifically designed organics hopper improves material flow eliminating bridging and ensures efficient movement of materials whilst the auger at the hopper outlet provides aeration and untangling solution therefore minimizing fluctuations in bulk density of organic materials.



| TRANSPORT DIMENSIONS | Ranger™ 6-24HO    |
|----------------------|-------------------|
| Length               | 19.5m (63')       |
| Width                | 2.7m (8' 8")      |
| Height               | 3m (9' 8")        |
| Weight (Est.)        | 24,350kg (53,682) |

| CONVEYOR DETAILS          | Ranger™ 6-24HO       |
|---------------------------|----------------------|
| Discharge conveyor length | 22.5m (73' 10")      |
| Feeder length             | 4.1m (13' 11")       |
| Belt width                | 1400 mm (56")        |
| Discharge height          | 8.80m (28' 2") @ 18° |
| Max. discharge height     | 9.8m (32' 2") @ 24°  |

| OPTIONS*  |
|---|
| Discharge conveyor drive drum upgraded to ceramic lagging                   |
| Feed conveyor drive drum upgraded to ceramic lagging                        |
| High spec SCS scraper discharge conveyor at head drum                       |
| Discharge conveyor underguard length of mid-section                         |
| Canvas dust covers complete with dust hood on discharge conveyor            |
| Spray bar at head drum on discharge conveyor                                |
| Belt eigher   |
| Overband magnet on discharge conveyor with hydraulic kit and support frames |
| Hybrid  |
| Radio remote to stop/start feed conveyor, raise/lower discharge conveyor    |
| Radio Remote to track machine   |
| Containerised freight   |

\* Refer to order form for current listing of options available.



# Ranger™ 6-24HSO ORBITAL ORGANIC FEEDER



Automatic greasing cartridges at head drum

The Ranger™ 6-24HSO Orbital Organic feeder features a rotating undercarriage providing increased versatility and is ideal for stockpiling and aerating of lower density, bulky materials such as soil, mulch, biomass and compost. Located at the hopper outlet, the auger provides aeration and an untangling solution for organic materials. The auger flips, rotates and regulates the flow of material minimising fluctuations in the bulk density of organic materials and is equipped with replaceable hardened paddle wear plates.



| TRANSPORT DIMENSIONS | Ranger™ 6-24HSO<br>ORBITAL ORGANIC |
|----------------------|------------------------------------|
| Length               | 22.5m (73' 10")                    |
| Width                | 3.2m (10' 6")                      |
| Height               | 3.63m (11' 11")                    |
| Weight (Est.)        | 29,300kg (64,595lbs)               |

| CONVEYOR DETAILS          | Ranger™ 6-24HSO<br>ORBITAL ORGANIC |
|---------------------------|------------------------------------|
| Discharge conveyor length | 22.5m (73' 10")                    |
| Feeder length             | 4.1m (13' 11")                     |
| Belt width                | 1400 mm (56")                      |
| Discharge height          | 8m (26' 3") @ 18°                  |
| Max. discharge height     | 10.7m (34' 6") @ 24°               |
| Production capacity       | Up to 600+TPH<br>(661 US TPH)      |

| OPTIONS*  |
|---|
| Discharge conveyor drive drum upgraded to ceramic lagging                   |
| Feed conveyor drive drum upgraded to ceramic lagging                        |
| High spec SCS scraper discharge conveyor at head drum                       |
| Discharge conveyor underguard length of mid-section                         |
| Canvas dust covers complete with dust hood on discharge conveyor            |
| Spray bar at head drum on discharge conveyor                                |
| Belt weigher  |
| Overband magnet on discharge conveyor with hydraulic kit and support frames |
| Containerised freight   |

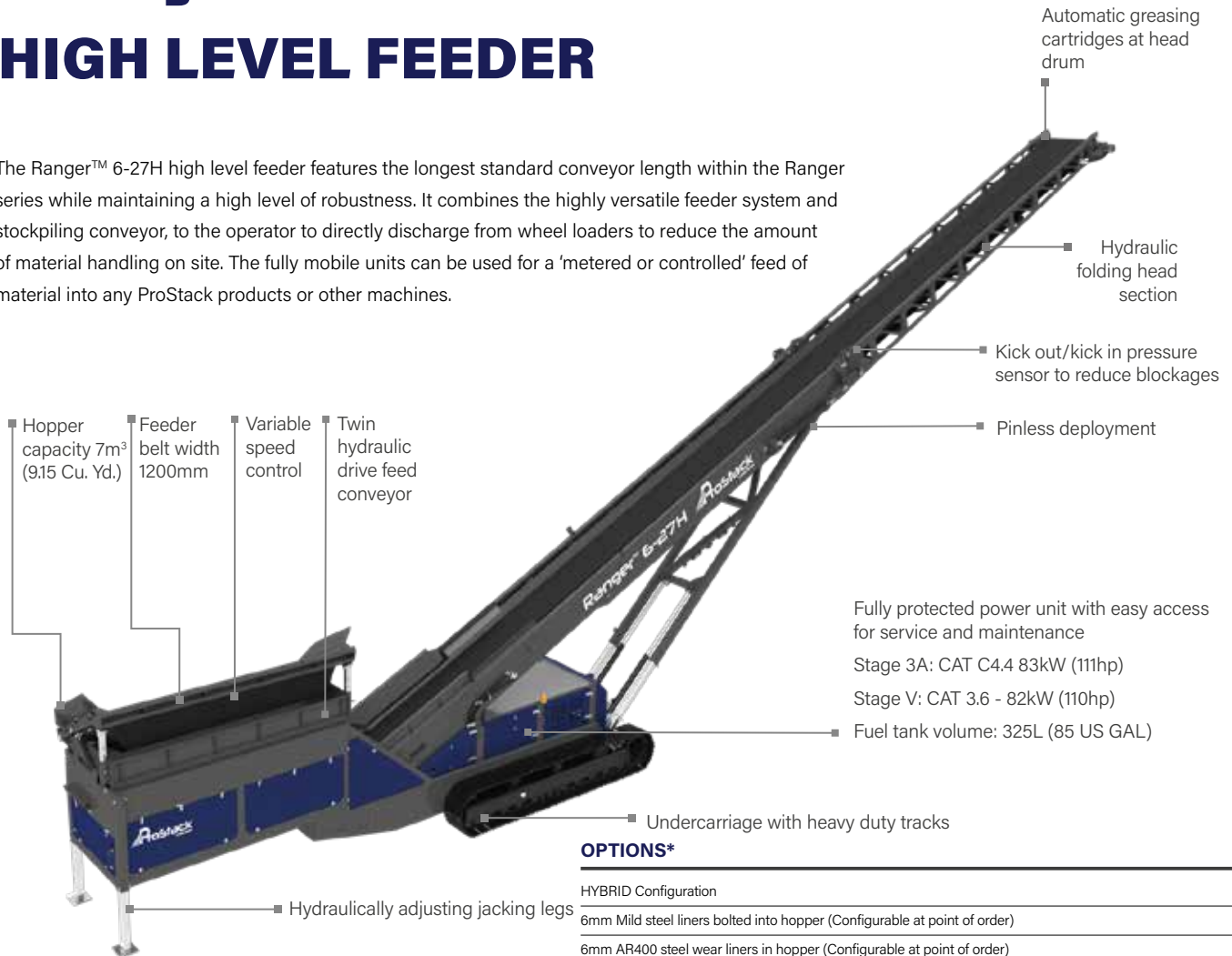
\* Refer to order form for current listing of options available.

\*\* Contact factory for availability.



# Ranger™ 6-27H HIGH LEVEL FEEDER

The Ranger™ 6-27H high level feeder features the longest standard conveyor length within the Ranger series while maintaining a high level of robustness. It combines the highly versatile feeder system and stockpiling conveyor, to the operator to directly discharge from wheel loaders to reduce the amount of material handling on site. The fully mobile units can be used for a 'metered or controlled' feed of material into any ProStack products or other machines.



| TRANSPORT DIMENSIONS | Ranger™ 6-27H        |
|----------------------|----------------------|
| Length               | 19.5m (63')          |
| Width                | 2.7m (8' 8")         |
| Height               | 3.2m (10')           |
| Weight (Est.)        | 25,622kg (56,487lbs) |

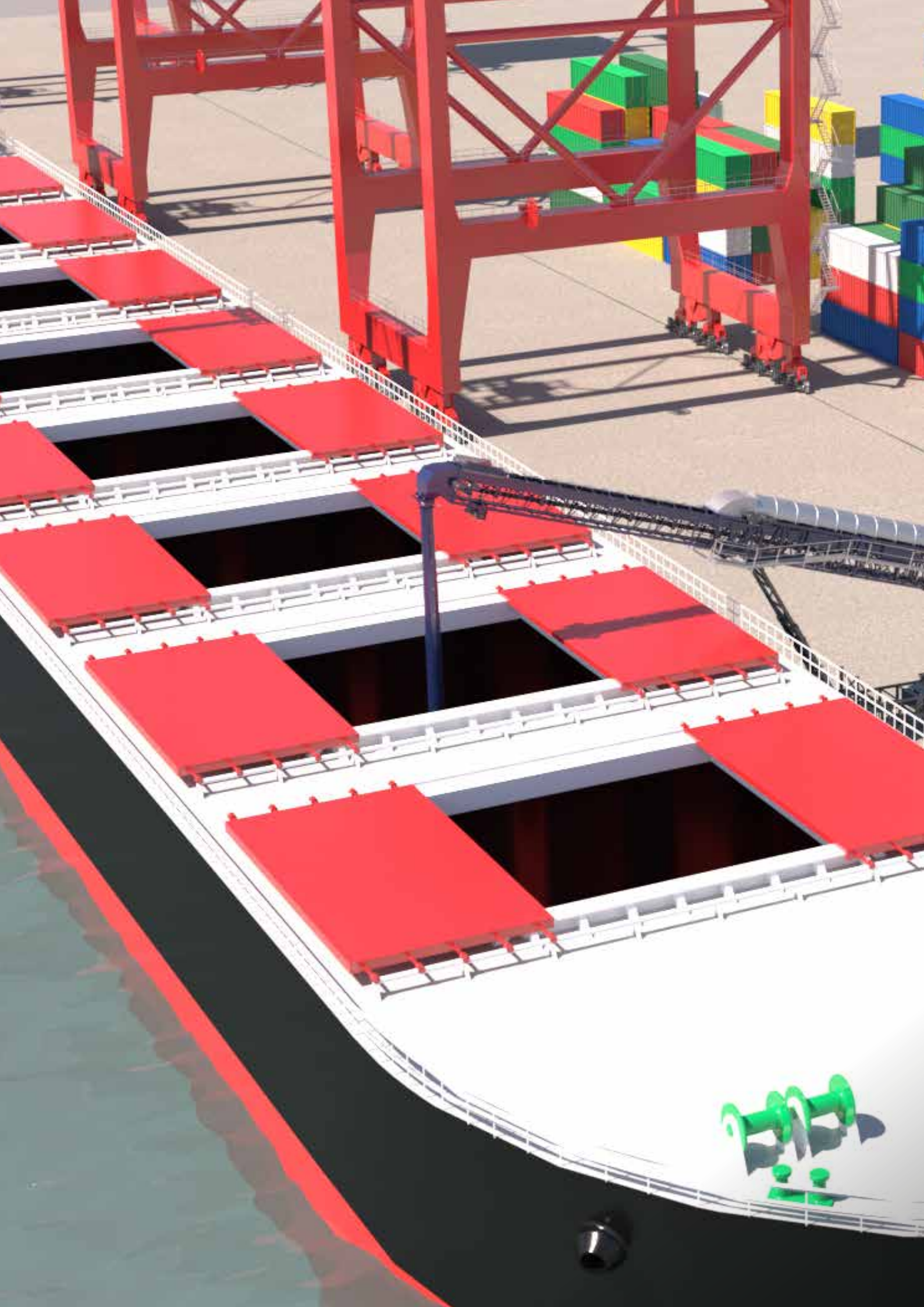
| CONVEYOR DETAILS          | Ranger™ 6-27H         |
|---------------------------|-----------------------|
| Discharge conveyor length | 25.9m (85')           |
| Feeder length             | 4.1m (13' 11")        |
| Belt width                | 1200 mm (48")         |
| Discharge height          | 9m (29' 8") @ 18°     |
| Max. discharge height     | 11.62m (38' 2") @ 24° |
| Production capacity       | Up to 600 TPH         |

### OPTIONS\*

|   |
|---|
| HYBRID Configuration  |
| 6mm Mild steel liners bolted into hopper (Configurable at point of order)   |
| 6mm AR400 steel wear liners in hopper (Configurable at point of order)  |
| Feedboot Lined with 6mm AR400 Wearplate (Configurable at Point of Order)  |
| Integrated Fall break system bolted into hopper   |
| 12ft 2-Deck vibrating grid c/w radio control tipping bofor grid 100mm (4") top deck and 38 mm (1 1/2") bottom deck mesh |
| 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 Integrated Fall Break System bolted into Hopper.             |
| 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                              |
| Double Deck Vibrating Grid 4" /100mm Spacing on top deck: (please advise bottom deck mesh Aperture)                     |
| Twin Hydraulic Drive Feed Conveyor  |
| Discharge Conveyor Drive Drum upgraded to Ceramic Lagging   |
| Feed Conveyor Drive Drum Upgraded to Ceramic Lagging  |
| 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   |
| High Spec Scraper Discharge Conveyor at Head Drum (only with Plain Belt)  |
| Discharge Conveyor Underguard Length of Mid-Section   |
| Pull Cord E-Stop Running Length Of Conveyor   |
| Full Length skirting rubber along Discharge Conveyor  |
| Belt Weigher  |
| Grease Lines to Head Drum   |
| Overband Magnet on Discharge Conveyor with Hydraulic Kit and Support Frames   |
| Radio Remote to Stop / Start Feed Conveyor, Raise / Lower Discharge Conveyor and Tip Grid                               |
| 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  |

\* Refer to order form for current listing of options available.







## Tailor Made Solutions from ProStack

Creating bespoke and tailored machines for your Ports operation is at the heart of ProStack. We understand there are a multitude of variations from vessel beam, quayside space to vessel freeboard and proudly offer a complete range of conveyor lengths to cover all loading scenarios. This variability in length allows the range to load from small barges in inland river terminals to deep ocean going vessels such as baby capesize.

Each Telson, Manta and Hornet bulk handling solution can be customised to suit the demands of individual ports or terminal, with careful focus being placed on the individual application of material(s) being conveyed.

While there are several existing models, bespoke and tailored machines are at the heart of the Manta range. We will work hard to create the best solutions for customers handling dry bulk cargo from ocean going vessels, ensuring their equipment works at optimum levels for their specific operation. By tailoring the machines to a customer's product, terminal and specifications, our equipment will ensure optimal results, return on investment and ultimately increased profits.



## FOR FURTHER INFORMATION PLEASE CONTACT:

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# ProStack™

A TEREX BRAND

## 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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