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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 and 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.



## Radial Telescopic Conveyors

### Key Applications

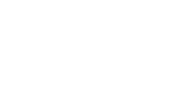
The versatility of our products allow us to cater for a number of applications, including:



4 | ProStack - Equipment Range



Ship Loading & Unloading



Heap Leaching



Rail Loading & Unloading



Port & Terminals



Mining

## TW 36-140

### TELESCOPIC CONVEYOR



#### CONVEYOR DETAILS

	TW 36-140
Max. 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 (2204 stph)

AS4324.1 Structural Design as Standard

#### TRANSPORT DIMENSIONS

	TW 36-140
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

## TW 36-150

### TELESCOPIC CONVEYOR



#### CONVEYOR DETAILS

	TW 36-150
Max. 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 (2204 stph)

AS4324.1 Structural Design as Standard

## I70 Series

### TELESCOPIC CONVEYOR



#### CONVEYOR DETAILS

	I70 Series
Max. Conveyor length	51.4m (168' 10")
Belt width	900mm (36"), 1050mm (42") 1200mm (48")
Min. discharge height	7.6m (25')
Max. discharge height	20.3m (66' 9")
Production capacity	0-2000tph (2204 stph)

Containerised shipping 5 x 40ft High Cube

## I90 Series

### TELESCOPIC CONVEYOR



#### CONVEYOR DETAILS

	I90 Series
Max. conveyor length	57.9m (190' 2")
Belt width	1050mm (42") - 1200mm (48")
Min. discharge height	8.4m (27' 7")
Max. discharge height	22.8m (74' 9")
Production capacity	0-2000tph (2204 stph)

Containerised shipping 5 x 40ft High Cube

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

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# Tracked Conveyors



**TC 50**  
**TRACKED CONVEYORS**



CONVEYOR DETAILS	TC 50	TRANSPORT DIMENSIONS	TC 50
Conveyor length:	15.2m (50')	Length:	11.5m (37' 9")
Belt width:	900mm (36")	Width:	2.2m (7' 3")
Discharge height:	6.93m (22' 9")	Height:	2.5m (8' 4")
Production capacity:	400-500TPH (440 - 551 US TPH)	Weight:	8,000kg (17,636lbs)

**TC 60**  
**TRACKED CONVEYOR**



CONVEYOR DETAILS	TC 60	TRANSPORT DIMENSIONS	TC 60
Conveyor length:	18.30m (60')	Length:	11.0m (36' 9")
Belt width:	900mm (36")	Width:	2.2m (7' 3")
Discharge height:	8.16m (26' 9")	Height:	2.5m (8' 4")
Production capacity:	400-500TPH (440 - 551 US TPH)	Weight:	9,000kg (19,841lbs)

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

**TR 60****TRACKED CONVEYOR****CONVEYOR DETAILS**

	<b>TR 60</b>
Conveyor length:	18.3m (60')
Belt width:	900mm (36")
Discharge height:	8.44m (27' 8")
Production capacity:	400-500TPH (440 - 551 US TPH)

**TRANSPORT DIMENSIONS**

	<b>TR 60</b>
Length:	11.6m (38' 3")
Width:	2.2m (7' 3")
Height:	2.5m (8' 4")
Weight:	9,000kg (19,841lbs)

**TC 65****TRACKED CONVEYORS****CONVEYOR DETAILS**

	<b>TC 65</b>
Conveyor length	19.79m (64' 11")
Belt width	1050mm (42")
Discharge height	9.1m (29'10") @ 24°
Max. discharge height	9.45m (31') @ 28°
Production capacity	Up to 500 TPH (551 US TPH)

**TC 80****TRACKED CONVEYORS****CONVEYOR DETAILS**

	<b>TC 80</b>
Conveyor length	22.8m (74' 10")

**TRANSPORT DIMENSIONS**

	<b>TC 80</b>
Length	11.88m (38' 11")

**TR 80****RADIAL TRACKED CONVEYOR****CONVEYOR DETAILS**

	<b>TR 80</b>
Conveyor length	22.9m (74' 10")
Belt width	1050mm (42")
Discharge height	9.9m (32' 5") @ 24°
Max. discharge height	10.41m (34'1") @ 25°
Production capacity	Up to 500 TPH (551 US TPH)

**TRANSPORT DIMENSIONS**

	<b>TR 80</b>
Length	15.2m (49' 9")

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

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

## WR 80

### RADIAL WHEELED CONVEYOR



CONVEYOR DETAILS		WR 80
Conveyor length	22.9m (74' 10")	
Belt width	914mm (36")	
Max. discharge height	9.2m (30' 1")	
Production capacity	Up to 300TPH (330US TPH)	

### TRANSPORT DIMENSIONS WR 80

	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 (2 machines per container)	

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

## TC 100

### TRACKED CONVEYOR

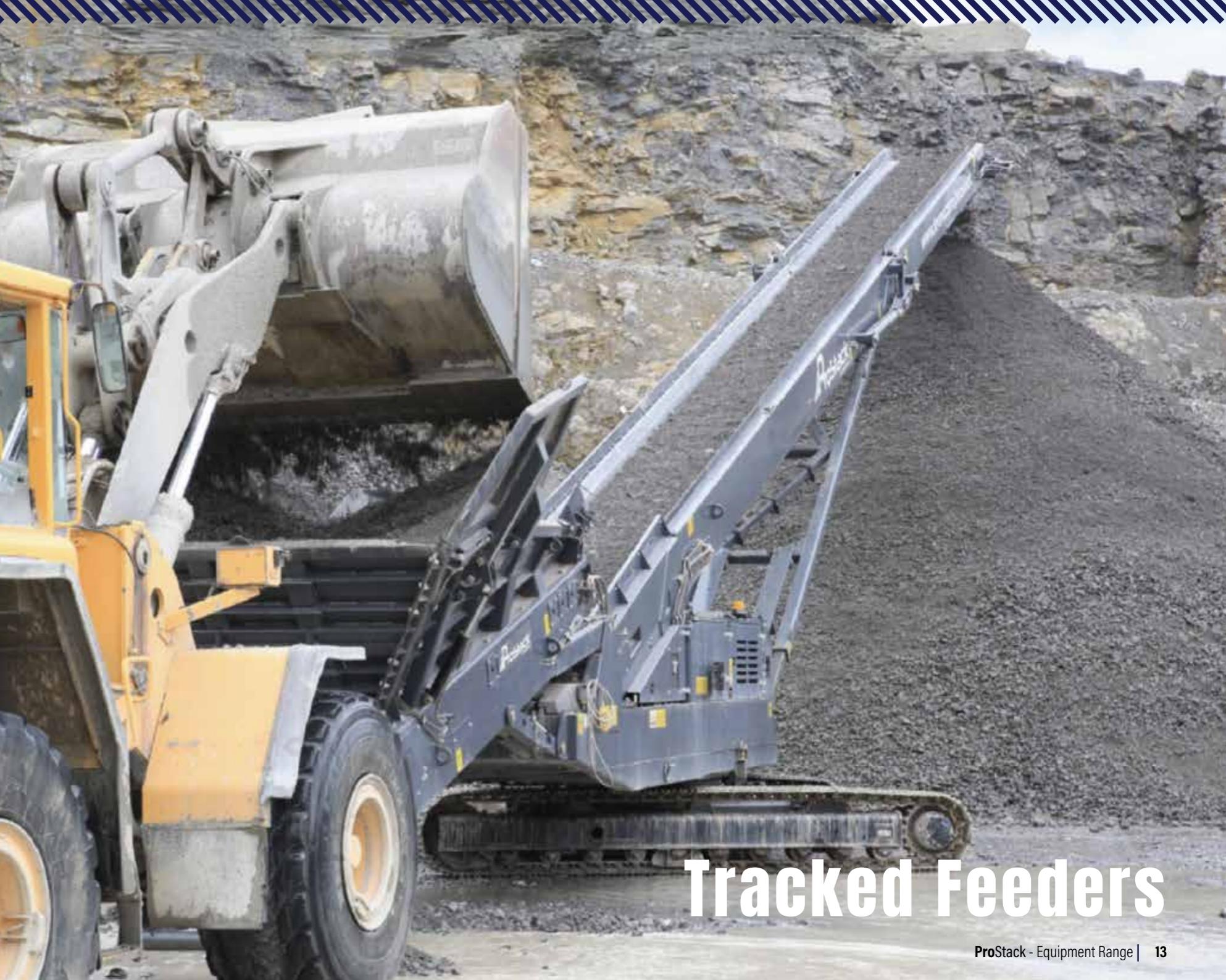


CONVEYOR DETAILS		TC 100
Conveyor length	30.1m (98'9")	
Belt width	1050mm (42")	
Discharge height	10.1m (33' 1") @ 18°	
Max. discharge height	13.1m (43' 11") @ 25°	
Production capacity	Up to 600TPH (661 US TPH)	

### TRANSPORT DIMENSIONS

TRANSPORT DIMENSIONS		TC 100
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	

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



# Tracked Feeders

**LF 50****LOW LEVEL FEEDER****CONVEYOR DETAILS**

	<b>LF 50</b>
Conveyor length	15.6m (51' 2")
Belt width	1050mm (42")
Max. discharge height	7.2m (23'8")
Production capacity	Up to 450TPH (496 US TPH)

**TRANSPORT DIMENSIONS**

	<b>LF 50</b>
Length	15.6m (51' 2")
Width	2.84m (9' 4")
Height	3.43m (11' 3")
Weight (Est.)	21,800kg (48,060lbs)
Containerised shipping	1x 40ft High Cube

**HF 50****HIGH LEVEL FEEDER****CONVEYOR DETAILS**

	<b>HF 50</b>
Conveyor length	15.6m (51'2")
Belt width	1050mm (42")
Max. discharge height	7.2m (23'8")
Production capacity	Up to 450 TPH (496 US TPH)

**TRANSPORT DIMENSIONS**

	<b>HF 50</b>
Length	12.16m (39' 11")
Width	2.29m (7' 6")
Height	2.55m (8' 4")
Weight (Std.)	13,240kg (29189lbs)
Containerised shipping	1x 40ft High Cube

**LF 75 S****ORBITAL FEEDER****CONVEYOR DETAILS**

	<b>LF 75 S</b>
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 (661 US TPH)

**TRANSPORT DIMENSIONS**

	<b>LF 75 S</b>
Length	19.7m (64' 8")
Width	3.2m (10' 6")
Height	3.63m (11' 11")
Weight (Est.)	29,550kg (65,146lbs)

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



## HF 75

### HIGH LEVEL FEEDER



#### CONVEYOR DETAILS

	HF 75
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 (661 US TPH)

#### TRANSPORT DIMENSIONS

	HF 75
Length	19.5m (63' 11")
Width	2.75m (9')
Height	3.12m (10' 2")
Weight (Est.)	23,500kg (51,808lbs)
Max. discharge height	9.8m (32' 2") @ 24°
Production capacity	Up to 600 TPH (661 US TPH)

## LF 75

### LOW LEVEL FEEDER



#### CONVEYOR DETAILS

	LF 75
Discharge conveyor length	22.5m (73' 10")
Feeder length	4.1m (13' 11")
Belt width	1300mm (4' 3")
Discharge height	8m (26' 3") @ 18°
Weight (Est.)	24,700kg (54,454lbs)
Max. discharge height	9.8m (32' 2") @ 24°
Production capacity	Up to 600 TPH (661 US TPH)

#### TRANSPORT DIMENSIONS

	LF 75
Length	19.74m (64' 9")
Width	2.75m (9')
Height	3.35m (11')
Weight (Est.)	24,700kg (54,454lbs)

## HF 75 O

### ORGANIC FEEDER



#### CONVEYOR DETAILS

	HF 75 O
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°
Weight (Est.)	24,350kg
Max. discharge height	9.8m (32' 2") @ 24°

## HF 75 SO

### ORBITAL ORGANIC FEEDER



#### TRANSPORT DIMENSIONS

	HF 75 SO
Length	22.5m (73' 10")
Width	3.2m (10' 6")
Height	3.63m (11' 11")
Weight (Est.)	29,300kg (64,595lbs)
Max. discharge height	10.7m (34' 6") @ 24°
Production capacity	Up to 600 TPH (661 US TPH)

#### CONVEYOR DETAILS

	HF 75 SO
Discharge conveyor length	22.5m (73' 10")
Feeder length	4.1m (13' 11")
Belt width	1400 mm (56")
Discharge height	8.8m (26' 3") @ 18°
Weight (Est.)	29,300kg (64,595lbs)
Max. discharge height	10.7m (34' 6") @ 24°
Production capacity	Up to 600 TPH (661 US TPH)

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

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

## HF 85 HIGH LEVEL FEEDER



### CONVEYOR DETAILS

### HF 85

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

### TRANSPORT DIMENSIONS

### HF 85

Length	19.5m (63')
Width	2.7m (8' 8")
Height	3.2m (10')
Weight (Est.)	25,622kg (56,487lbs)

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

# BULK RECEPTION FEEDERS



RF 72

## BULK RECEPTION FEEDER



TRANSPORT DIMENSIONS	RF 72
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	RF 72
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> (1650 STPH)



## PH 60

### PORT HOPPER



#### Overview

Hopper Aperture	6m x 6m
Machine height	9.m
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
Travel Beacon and Siren	
Machine Quayside Lighting	
One Colour Paint Scheme	
LD Trash Grid (200x200 Aperture)	

Standard Specifications
33 KVA Generator
Single hydraulic 500mm slide
Hydraulic Wheel jacking
Operator cabin with Joystick Control
Detachable 5th wheel lift point
Access Ladder to Thimble
Out-Loading Rubber Chute
Material Density Range

## PH 63HD PORT HOPPER



#### Overview

Hopper Aperture	6.3m x 6.3m
Machine height	13,600m
Hopper capacity	60m <sup>3</sup> (with Filtration) 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
Travel Beacon and Siren	
Machine Quayside Lighting	
One Colour Paint Scheme	
HD Trash Grid (300x300 Aperture)	

## PH 63 ECO PORT HOPPER



#### Overview

Hopper Aperture	6.3m x 6.3m
Machine height	13,600m
Hopper capacity	60m <sup>3</sup> (with Filtration) 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
Out-Loading Rubber Chute	
Self Drive	
Travel Beacon and Siren	
Machine Quayside Lighting	
One Colour Paint Scheme	
HD Trash Grid (300x300 Aperture)	

#### Image shown

- Fitted with Dual Hopper Outlet
- Aspirated dust control Filters

## PH 67 PORT HOPPER



#### Overview

Hopper Aperture	6.7m x 6.7m
Machine height	8.896m
Hopper capacity	61.3m <sup>3</sup> (Below Grid)
Mobility	Fixed Towable
Discharge	Hydraulic Slide
Power	Plug in & Onboard Genset
Material Density Range	0.5 to 1.0
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

## PH 67HD

### PORT HOPPER



#### Overview

Hopper Aperture	6.7m x 6.7m
Machine height	10,028m
Hopper capacity	60m <sup>3</sup> (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

## PH 70

### PORT HOPPER



#### 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

*Image shown*

In-line Tow Chassis configuration

Removable Tow bar Suitable for applications with restricted Quay widths

## PH 75

### PORT HOPPER



#### Overview

Hopper Aperture	7.5m x 7.5m
Machine height	9.570m
Hopper capacity	60m <sup>3</sup> (Below Grid)
Mobility	Fixed Towable
Discharge	Hydraulic Slide
Power	Plug in & Onboard Genset
Material Density Range	0.5 to 1.0

*Image shown*

Fixed Tow Chassis configuration

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