

**DRY BULK MATERIAL HANDLING**

**Prostack**<sup>®</sup>  
A TEREX BRAND

A large industrial conveyor belt system, branded with the Prostack logo, is shown in operation at a quarry. The conveyor is elevated and angled, discharging a stream of dark, granular material into a large pile in the foreground. The background features several large mounds of similar material under a clear blue sky with scattered clouds. The overall scene depicts a dry bulk material handling facility.

# **Product** OVERVIEW

# TABLE OF CONTENTS

Industries & Applications	3
---------------------------	---

## TELESCOPIC CONVEYORS

TW 36-140 Telescopic Conveyor	6
TW 36-150 Telescopic Conveyor	6
170 Series Telescopic Conveyor	7
190 Series Telescopic Conveyor	7

## TRACKED CONVEYORS

TC 50 Tracked Conveyor	9
TC 60 Tracked Conveyor	9
TR 60 Tracked Conveyor	10
TC 65 Tracked Conveyor	10
TC 80 Tracked Conveyor	11
TR 80 Radial Tracked Conveyor	11
WR 80 Wheeled Radial Conveyor	12
TC 100 Tracked Conveyor	12

## TRACKED FEEDERS

LF 50 Low Level Feeder	14
HF 50 High Level Feeder	14
LF 75 S Orbital Feeder	15
HF 75 High Level Feeder	16
LF 75 Low Level Feeder	16
HF 75 O Organic Feeder	17
HF 75 SO Orbital Organic Feeder	17
HF 85 High Level Feeder	18

## BULK RECEPTION FEEDERS

RF 72 Bulk Reception Feeder	20
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## PORT HOPPERS

PH 60 Port Unloading Equipment	22
PH 63HD Port Unloading Equipment	22
PH 63 Eco Port Unloading Equipment	23
PH 67 Port Unloading Equipment	23
PH 67HD Port Unloading Equipment	24
PH 70 Port Unloading Equipment	25
PH 75 Port Unloading Equipment	25



# 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.



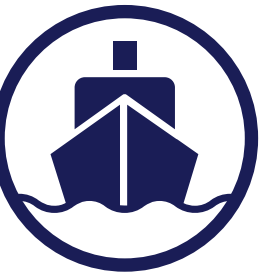
## Quarry and Aggregates

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.

### Key Applications

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



Stockpiling



Ship Loading  
& Unloading



Heap  
Leaching



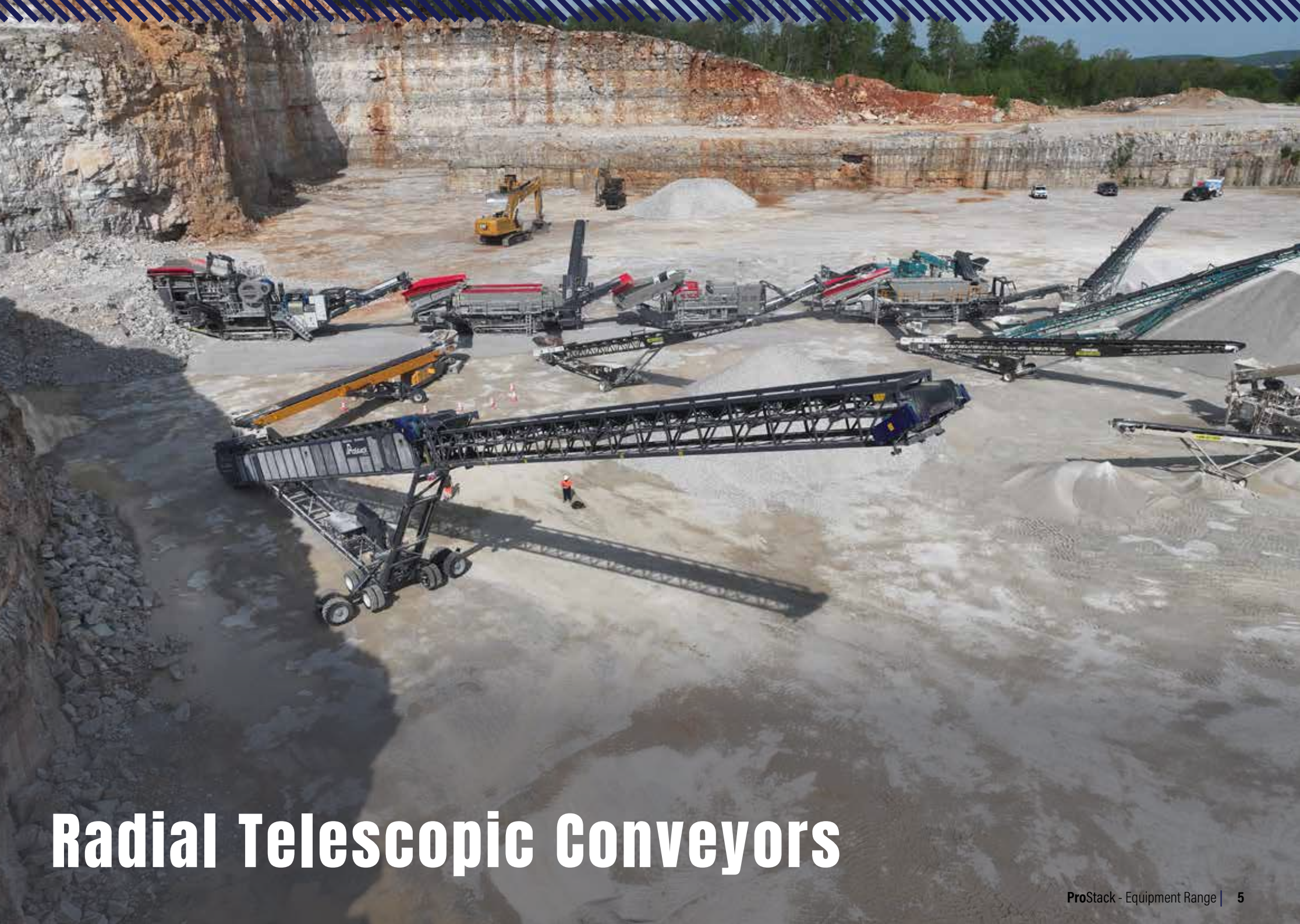
Rail Loading  
& Unloading



Port &  
Terminals



Mining



# Radial Telescopic Conveyors



# TW 36-140

## TELESCOPIC CONVEYOR

# TW 36-150

## TELESCOPIC CONVEYOR



CONVEYOR DETAILS	TW 36-140	TRANSPORT DIMENSIONS	TW 36-140
Max. Conveyor length	42.45m (139'3")	PIT PORTABLE	
Belt width	900mm (36")	Length	27.79m (91' 2")
Min. discharge height	4.2m (13'9")	Width	3.28m (10'9")
Max. discharge height	14.4m (47'2")	Height	5.19m (17')
Production capacity	0-2000tph (2204 stph)	Weight (Est.)	27,000kg (59,525 lbs)
AS4324.1 Structural Design as Standard		Containerised shipping	3 x 40ft High Cube

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

# I70 Series

## TELESCOPIC CONVEYOR

# I90 Series

## TELESCOPIC CONVEYOR



CONVEYOR DETAILS		TRANSPORT DIMENSIONS	
Max. Conveyor length		51.4m (168' 10")	
Belt width	900mm (36"), 1050mm (42") 1200mm (48")	Width	48.4m (15' 11")
Min. discharge height		7.6m (25')	
Max. discharge height		20.3m (66' 9")	
Production capacity		0-2000tph (2204 stph)	
		Length	34.7m (113' 10")
		Width	48.4m (15' 11")
		Height	69.5m (22' 10")
		Weight (Est.)	45000kgs (99208lbs)
		Containerised shipping	5 x 40ft High Cube

CONVEYOR DETAILS		TRANSPORT DIMENSIONS	
Max. conveyor length	57.9m (190' 2")	Length	35.2m (115' 8")
Belt width	1050mm (42") - 1200mm (48")	Width	4.8m (15' 11")
Min. discharge height	8.4m (27' 7")	Height	6.9m (22' 10")
Max. discharge height	22.8m (74' 9")	Weight (Est.)	56,500 kgs (124,564 lbs)
Production capacity	0-2000tph (2204stph)	Containerised shipping	5 x 40ft High Cube

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



# 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:	11.5m (37' 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	TR 60	TRANSPORT DIMENSIONS	TR 60
Conveyor length:	18.3m (60')	Length:	11.6m (38' 3")
Belt width:	900mm (36")	Width:	2.2m (7' 3")
Discharge height:	8.44m (27' 8")	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.

TC 65

TRACKED CONVEYORS



CONVEYOR DETAILS	TC 65	TRANSPORT DIMENSIONS	TC 65
Conveyor length	19.79m (64' 11")	Length	11.3m (37')
Belt width	1050mm (42")	Width	2.25m (7' 4")
Discharge height	9.1m (29'10") @ 24°	Height	2.65m (8' 8")
Max. discharge height	9.45m (31') @ 28°	Weight (Est.)	13,820kgs (30,467lbs)
Production capacity	Up to 500 TPH (551 US TPH)	Containerised shipping	1 x 40ft High Cube

TC 80

TRACKED CONVEYORS



CONVEYOR DETAILS	TC 80	TRANSPORT DIMENSIONS	TC 80
Conveyor length	22.8m (74' 10")	Length	11.88m (38' 11")
Belt width	1050mm (42")	Width	2.25m (7' 4")
Discharge height	9.9m (32' 5") @ 24°	Height	2.88m (9' 5")
Max. discharge height	10.41m (34'1") @ 25°	Weight (Est.)	16,750kgs (36,927lbs)
Production capacity	Up to 500 TPH (551 US TPH)		
		Containerised shipping	1 x 40ft High Cube

TR 80

RADIAL TRACKED CONVEYOR



CONVEYOR DETAILS	TR 80	TRANSPORT DIMENSIONS	TR 80
Conveyor length	22.9m (74' 10")	Length	15.2m (49' 10")
Belt width	1050mm (42")	Width	2.52m (8' 3")
Discharge height	9m (29' 6") @ 18°	Height	3.43m (11' 3")
Max. discharge height	10.9m (34' 9") @ 23°	Weight (Est.)	19,800kg (43,651lbs)
Production capacity	Up to 600TPH (661 US TPH)		

\* 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)

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

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



Tracked Feeders



LF 50

LOW LEVEL FEEDER

HF 50

HIGH LEVEL FEEDER



CONVEYOR DETAILS	LF 50	TRANSPORT DIMENSIONS	LF 50
Conveyor length	15.6m (51' 2")	Length	15.6m (51' 2")
Belt width	1050mm (42")	Width	2.84m (9' 4")
Max. discharge height	7.2m (23'8")	Height	3.43m (11' 3")
Production capacity	Up to 450TPH (496 US TPH)	Weight (Est.)	21,800kg (48,060lbs)
		Containerised shipping	1 x 40ft High Cube

CONVEYOR DETAILS	HF 50	TRANSPORT DIMENSIONS	HF 50
Conveyor length	15.6m (51'2")	Length	12.16m (39' 11")
Belt width	1050mm (42")	Width	2.29m (7'6")
Max. discharge height	7.2m (23'8")	Height	2.55m (8' 4")
Production capacity	Up to 450 TPH (496 US TPH)	Weight (Std.)	13,240kg (29189lbs)
		Containerised shipping	1 x 40ft High Cube

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

LF 75 S

ORBITAL FEEDER



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



HF 75

HIGH LEVEL FEEDER

LF 75

LOW LEVEL FEEDER



CONVEYOR DETAILS	HF 75	TRANSPORT DIMENSIONS	HF 75
Discharge conveyor length	22.5m (73' 10")	Length	19.5m (63' 11")
Feeder length	4.1m (13' 11")	Width	2.75m (9')
Belt width	1200mm (48")	Height	3.12m (10' 2")
Discharge height	8m (26' 3") @ 18°	Weight (Est.)	23,500kg (51,808lbs)
Max. discharge height	9.8m (32' 2") @ 24°		
Production capacity	Up to 600 TPH (661 US TPH)		

CONVEYOR DETAILS	LF 75	TRANSPORT DIMENSIONS	LF 75
Discharge conveyor length	22.5m (73' 10")	Length	19.74m (64' 9")
Feeder length	4.1m (13' 11")	Width	2.75m (9')
Belt width	1300mm (4' 3")	Height	3.35m (11')
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)		

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

HF 75 O

ORGANIC FEEDER

HF 75 SO

ORBITAL ORGANIC FEEDER



CONVEYOR DETAILS	HF 75 O	TRANSPORT DIMENSIONS	HF 75 O
Discharge conveyor length	22.5m (73' 10")	Length	19.5m (63')
Feeder length	4.1m (13' 11")	Width	2.7m (8' 8")
Belt width	1400 mm (56")	Height	3m (9' 8")
Discharge height	8.80m (28' 2") @ 18°	Weight (Est.)	24,350kg (53,682)
Max. discharge height	9.8m (32' 2") @ 24°		

TRANSPORT DIMENSIONS	HF 75 SO	CONVEYOR DETAILS	HF 75 SO
Length	22.5m (73' 10")	Discharge conveyor length	22.5m (73' 10")
Width	3.2m (10' 6")	Feeder length	4.1m (13' 11")
Height	3.63m (11' 11")	Belt width	1400 mm (56")
Weight (Est.)	29,300kg (64,595lbs)	Discharge height	8m (26' 3") @ 18°
		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.



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 m³ (1650 STPH)



PORT HOPPERS



PH 60

PORT HOPPER



Overview	
Hopper Aperture	6m x 6m
Machine height	9m
Hopper capacity	50m³ (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)	

PH 63HD

PORT HOPPER



Overview	
Hopper Aperture	6.3m x 6.3m
Machine height	13,600m
Hopper capacity	60m³ (with Filtration) 80m³ (with Filtration)
Mobility	Self Drive
Discharge	Hydraulic Slide
Power	Plug in & Onboard Genset
Material Density Range	0.75 to 1.8

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)	

PH 63 Eco

PORT HOPPER



Overview	
Hopper Aperture	6.3m x 6.3m
Machine height	13,600m
Hopper capacity	60m³ (with Filtration) 80m³ (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	
Thimle 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*

PH 67

PORT HOPPER



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*



PH 67HD

PORT HOPPER



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

PH 70

PORT HOPPER



Overview

Hopper Aperture	7m x 7m
Machine height	9.5m
Hopper capacity	60m³ (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

PH 75

PORT HOPPER



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



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