

TECHNICAL SPECIFICATION

TSR 40 (125ft) TRACKED RADIAL TELESCOPIC STACKER



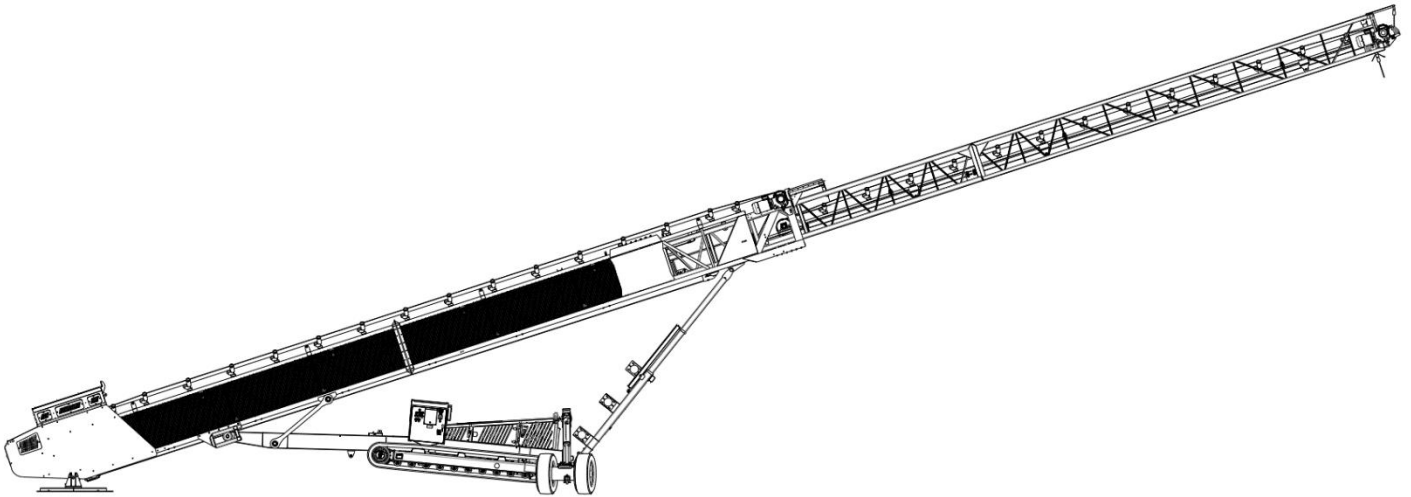
TSR40



Telestack[®]
Mobile Bulk Material Handling

Feb-24

TSR 40 – TRACKED RADIAL TELESCOPIC STACKER



The Tracked Radial Telescopic Stacker offers a unique material handling solution for the Quarrying, Mining, and Rail Transportation industries and can also be utilised in Ports & Inland Terminals for Ship/Barge Loading and Unloading. The radial, telescopic and luffing features allows the operator full control when stockpiling a range of materials whilst eliminating segregation, degradation, contamination, and compaction of material. The innovative design allows for up to **+30%** larger stockpile capacity when compared to conventional fixed length conveyor systems.

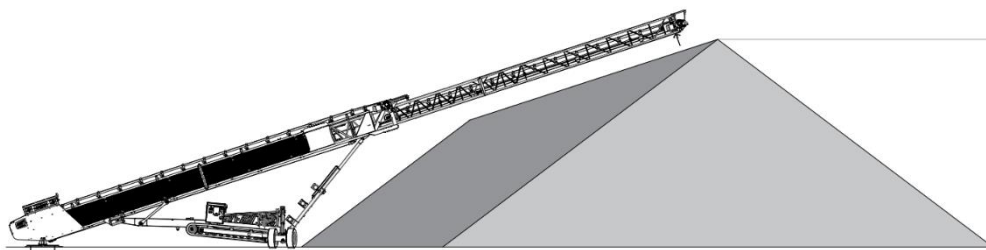
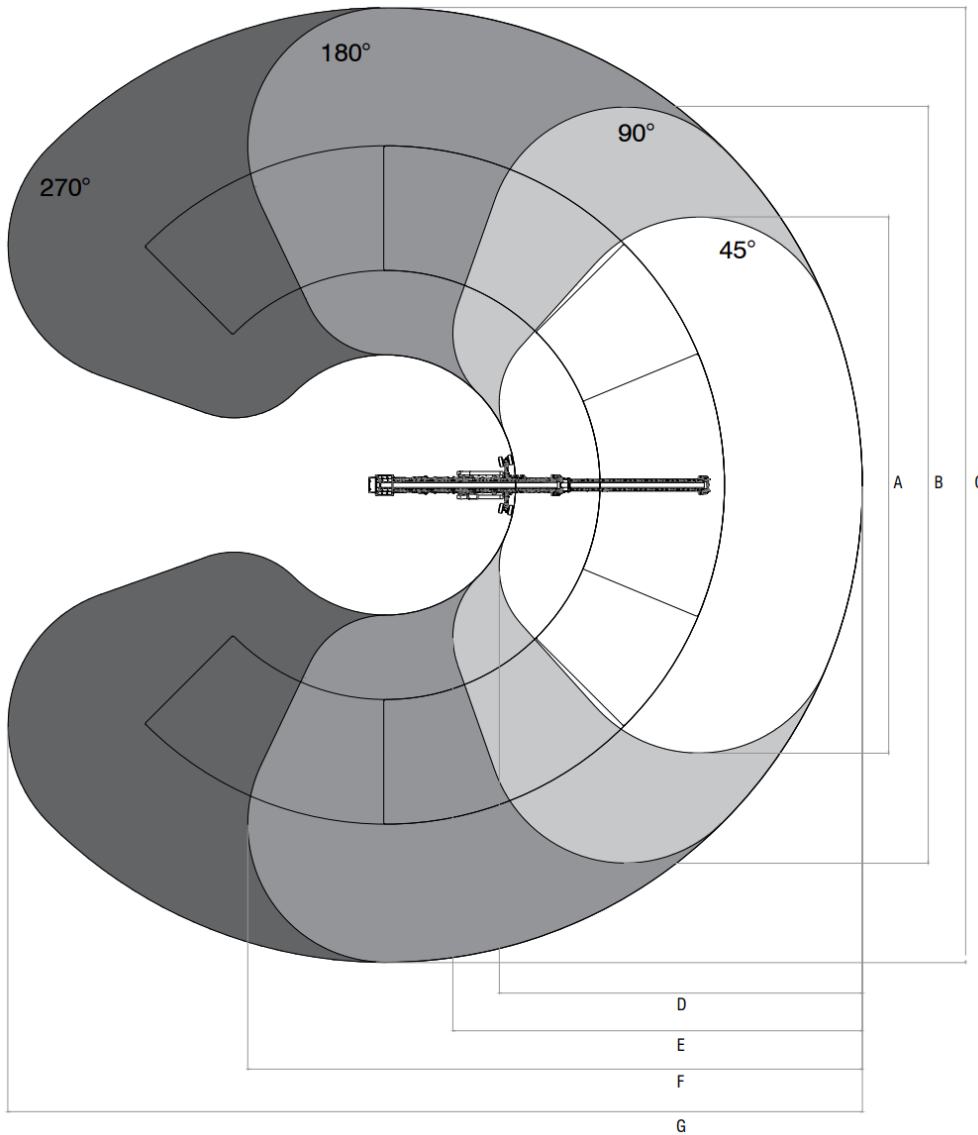
TYPICAL APPLICATIONS

- Stockpiling (Automatically) from secondary crushers and screens
- Stockpiling crushed stone, sand and gravel, mineral ores
- Stockpiling construction and demolition waste, top soil, coal, grain etc
- Receiving crushed material and stockpiling safely over a quarry face/bench
- Working as part of a mobile system on short to medium term projects
- Ship loading directly to vessels
- Loading directly to trucks or rail wagons
- Telescopic mobile link conveyor

KEY FEATURES

- **RORO – ‘Site to Site’ Transport easily via Ro-Ro designed Radial Telescopic conveyor**
- Conveying material reduces dust levels, noise levels and carbon footprint
- Conveying material eliminates the high cost of dump truck or shovel haulage and is the most cost-efficient and environmentally sound method of material transfer
- Increased production capacities
- Lower capital investment
- Flexible and reliable mobile material handling equipment
- Reduced labour and operator costs
- Eliminate segregation, degradation, contamination, and compaction
- Minimal civils’ and planning permission required as it is mobile equipment
- Paint specification, Cream: RAL 7032, Red: RAL 3001
- Options available

STOCKPILING CAPABILITIES



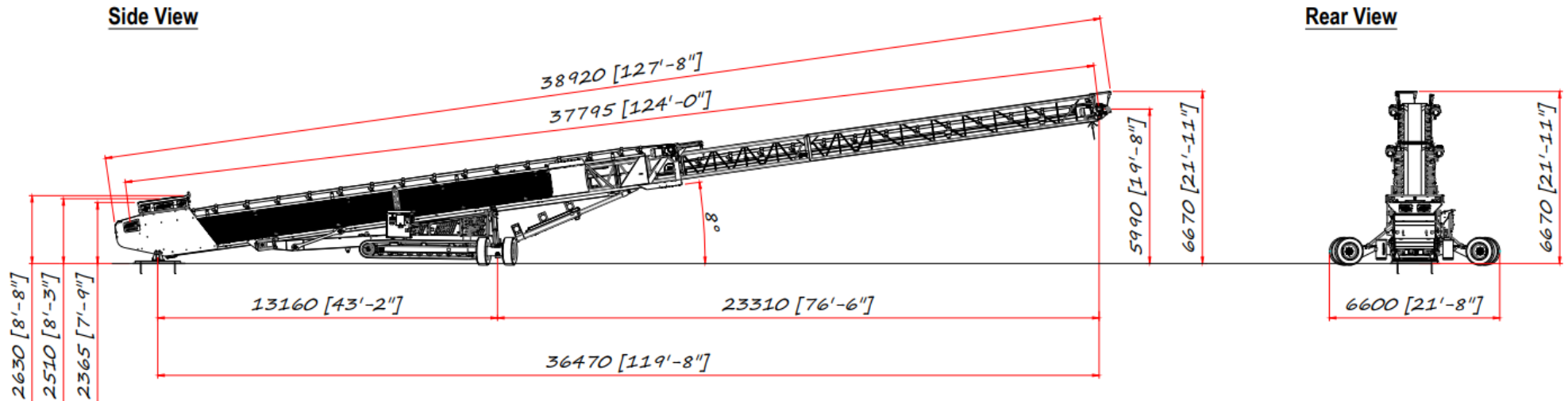
Using the telescopic feature enables the user to stockpile up to **30%** more than conventional fixed boom radial stacking conveyors.

All stockpiling capacities shown are calculated based on 18° operation angle, and material, with bulk density of 1.6 T/m³ (100 lb/ft³), and stockpile angle of repose 37°.

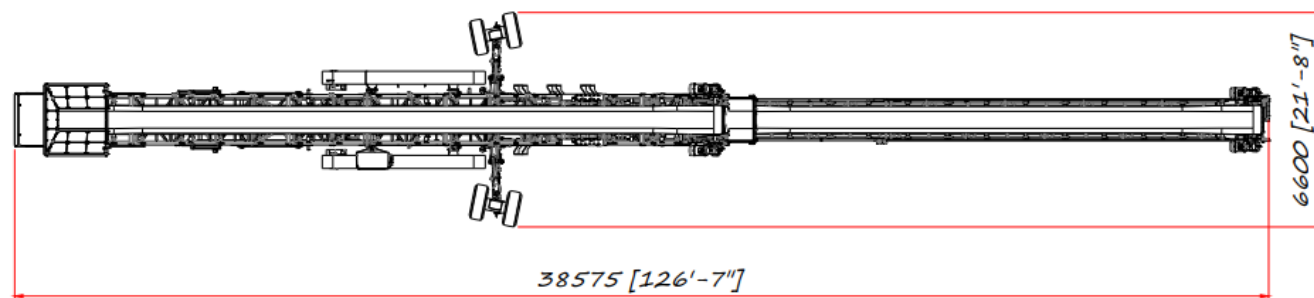
Detail	Stockpile Dimensions	
	Metric	Imperial
A	58.6m	192' 1"
B	82.6m	271'
C	104.3m	342' 3"
D	39.7m	130' 4"
E	44.8m	147'
F	67.2m	220' 8"
G	93.5m	306' 7"
H	11.4m	37' 4"

	Stockpile Capacity (Volume)		Stockpile Capacity (Mass)	
	m ³	yd ³	Tonnes	Ton
0°	3,531	4,618	5,650	6,228
45°	9,757	12,762	15,611	17,208
90°	16,125	21,091	25,800	28,440
180°	28,862	37,750	46,179	50,904
270°	41,598	54,408	66,557	73,366

WORKING DIMENSIONS – Fully Lowered



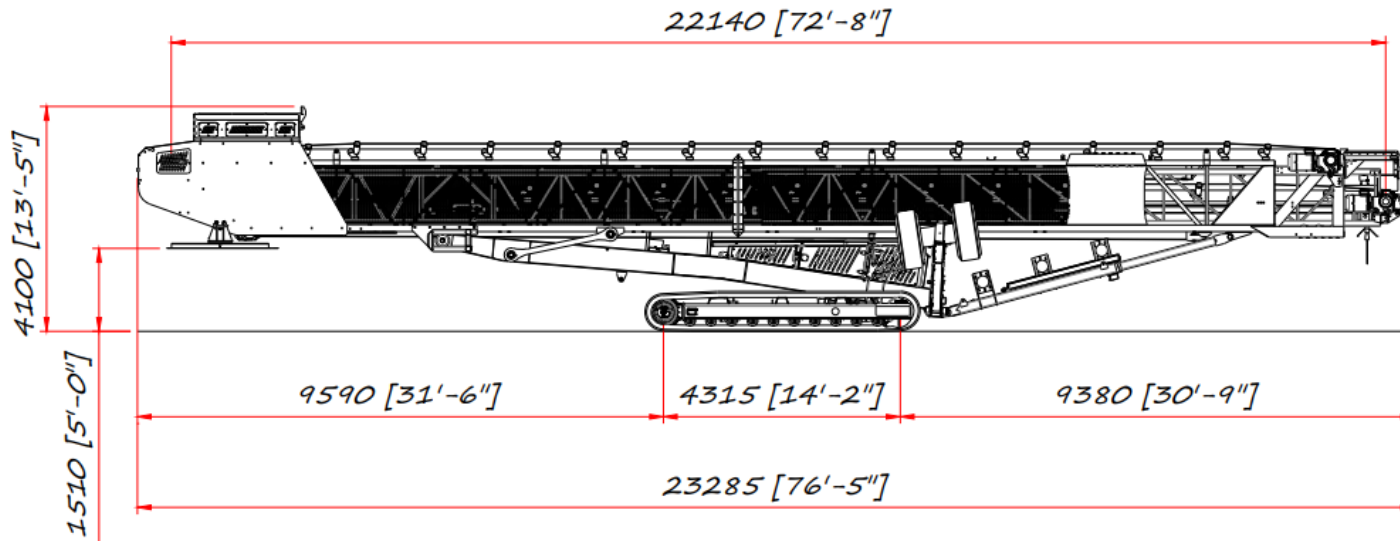
Plan View



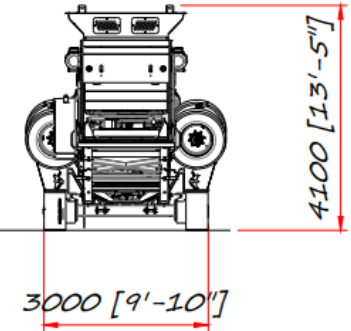
	Metric	Imperial
Overall Length	38.6m	126' 7"
Machine Working Length (8°)	36.5m	119' 8"
Discharge Height (8°)	6.0m	19' 8"
Feed in Height (Rear)	2.5m	8' 3"
Operating Width	6.6m	21' 8"

TRANSPORT DIMENSIONS – SITE TRANSPORT (Radial wheels mounted)

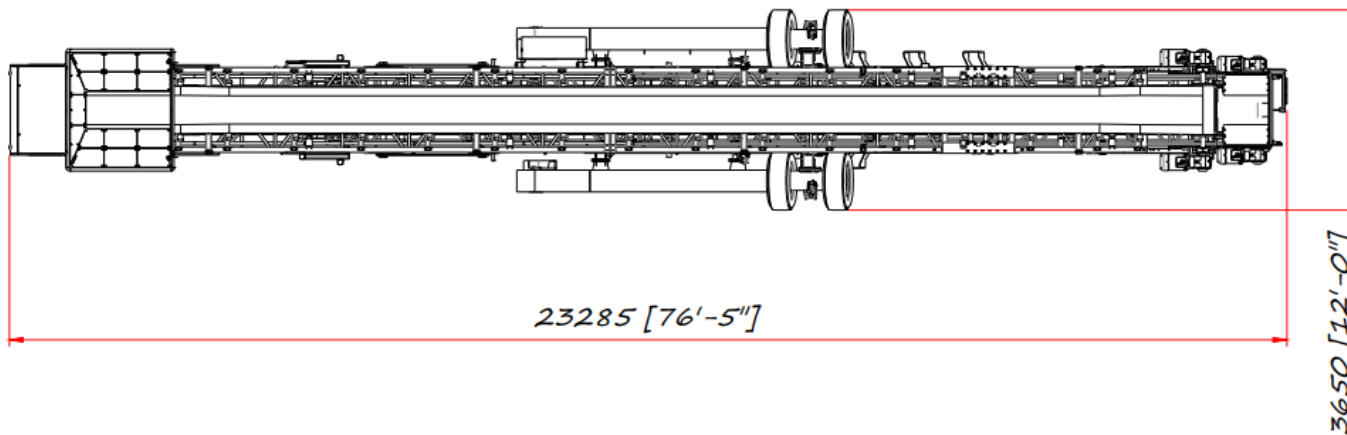
Side View



Rear View



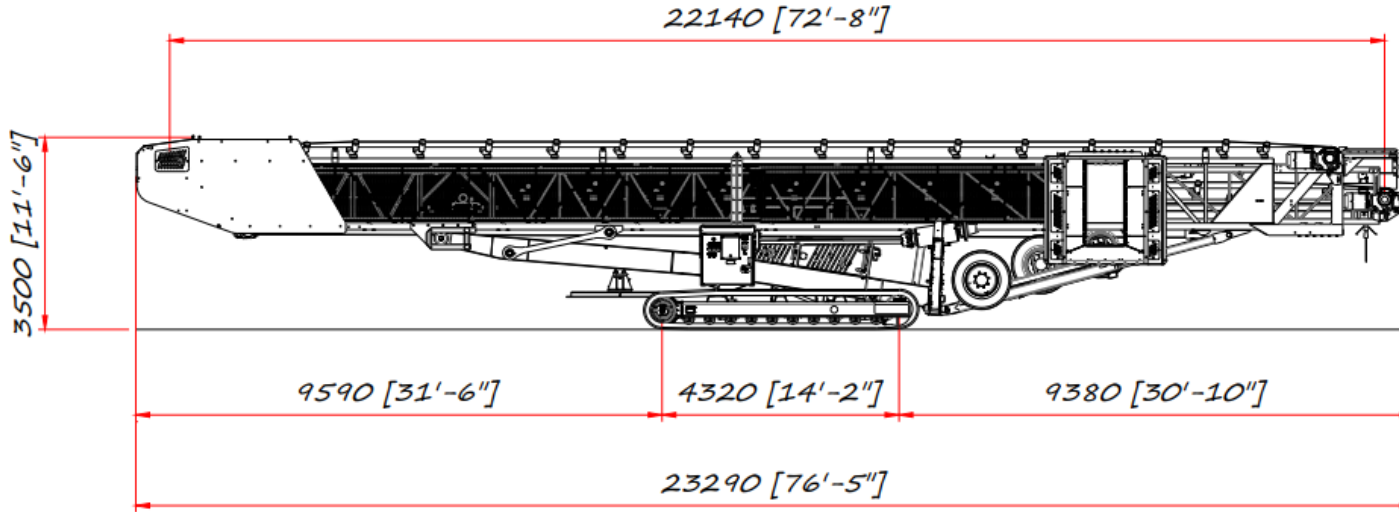
Plan View



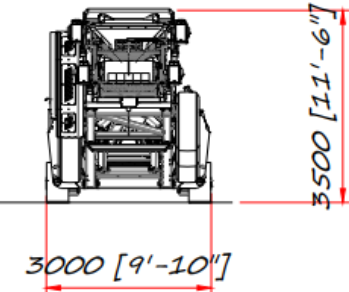
	Metric	Imperial
Transport Length	23.3m	76' 5"
Transport Width	3.7m	12'
Transport Height	4.1m	13' 5"
Overall Weight	32 Tonnes (Approx)	70,548 lbs (Approx)

TRANSPORT DIMENSIONS – SITE TO SITE TRANSPORT (Radial Wheels removed)

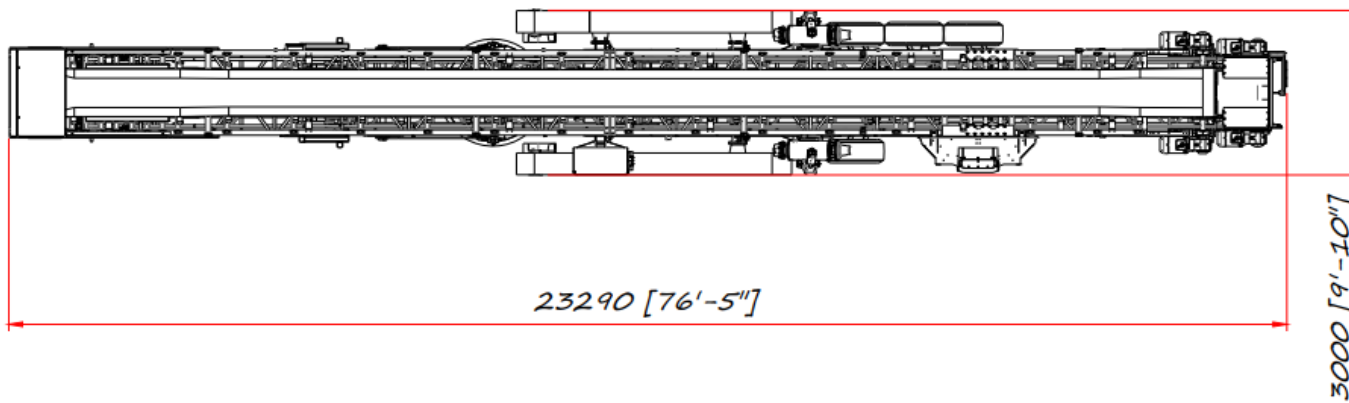
Side View



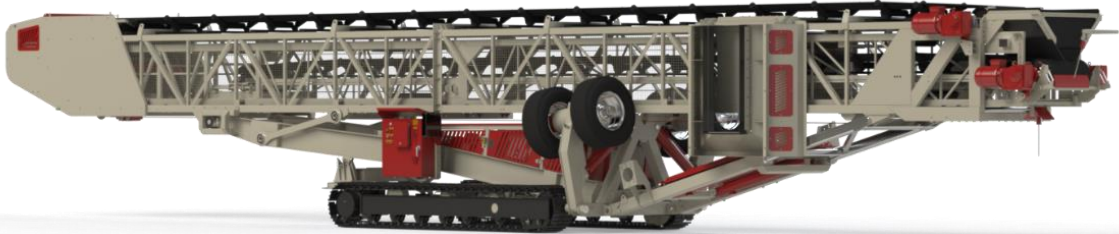
Rear View



Plan View



	Metric	Imperial
Transport Length	23.3m	76' 5"
Transport Width	3.0m	9' 10"
Transport Height	3.5m	11' 7"
Overall Weight	32 Tonnes (Approx)	70,548 lbs (Approx)



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**THE
POWER
TO MOVE
MATERIALS**

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