



## **TW 36-140**

### **Rotating Telescopic Conveyor**



**REDUCED COST**



**SITE OPERATING  
EFFICIENCY**



**ENVIRONMENTAL  
CONSIDERATIONS**



**IMPROVE HEALTH  
& SAFETY**



**PRODUCT  
QUALITY**

# OVERVIEW TW 36-140

The TW 36-140 rotating telescopic conveyor has a working length of 140' (42 metres), 270° of radial movement and is available in multiple tonnage options - 400tph, 600tph or 800tph. The telescopic conveyor is available in pit portable or road towable variants, making the high quality machine suitable for almost all applications including ports and terminals and quarry and aggregate applications. With a stockpile height of 47' (14m) and maximum stockpile capacity of approximately 100,000 tonnes depending on material density. The TW 36-140 provides a heavy duty solution to bulk material handling.

## TONNAGES OPTIONS

- 400
- 600
- 800

Max Working Height: 14.4m (47' 2")  
Min Working Height: 4.2m (13' 9")



ROAD CHASSIS - The customer must check local regulations to ensure road worthiness.

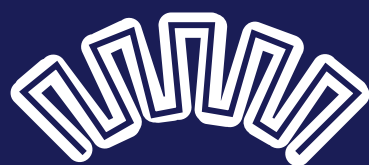




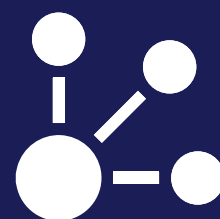
# FEATURES TW 36-140



HIGH POWERED  
CONVEYOR



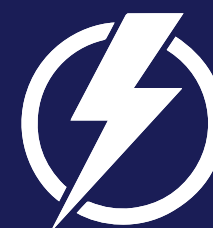
AUTOMATED  
STOCKPILE  
PATTERNS



MULTIPLE  
TONNAGE  
OPTIONS



IDEAL FOR PORT  
AND TERMINAL  
APPLICATIONS



FULL ELECTRIC  
DRIVE



EASY TO  
TRANSPORT

# TW 36-140

FEEDBOOT DEADBOX
Capacity (Standard): 1.1m³ (1.4yd³)
Feed in width: 1.6m (5’4’')
Capacity (Extended): 2.1m³ (2.75yd³)
Feed in width (Extended): 1.85m (6’11’')
Minimum feed in height: 2.85m (9’4’')
Extended minimum feed in height: 3.12m (10’3’')

DISCHARGE CONVEYOR
Maximum conveyor length: 42.45m (139’ 3’')
Minimum conveyor length: 27.2m (89’ 5’')
Belt width: 900mm (36’')
Minimum discharge height: 4.2m (13’ 9’')
Maximum discharge height: 14.4m (47’2’')
Operating angle: 6°-18°

INNER CONVEYOR
Belt centres: 18.80m (61’8’')
Belt type: Plain

OUTER CONVEYOR
Belt width: 900mm (36’')
Belt centres: 25.3m (83’)
Belt type: Plain

POWERUNIT OPTIONS
11kw motor driving tandem hydraulic pump
Hydraulic tank capacity: 265L

TRANSPORT DIMENSIONS		
	ROAD TOWABLE	PIT PORTABLE
Transport Height	4.33m (14’ 2’')	5.19m (17’)
Transport Length	27.26m (89’ 5’')	27.79m (91’ 2’')
Transport Width	3.46m (11’ 4’')	3.28m (10’ 9’')

WEIGHT
Max Weight (with full options): 27,000kg (59,525lbs)

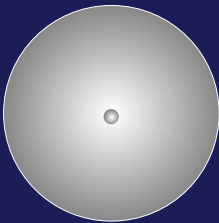
OPTIONS
Upgrade to 600tph or 800tph model
Belt weigher
Pull cord E-Stop
Feedboot Lined 6mm steel liner
Feedboot Lined 6mm AR400
Feedboot Lined 12mm AR400
Feedboot Lined 20mm rubber liner
Chevron Belt
Heavy Duty Belt
Working Lights
Twin Radial Drive
Feedboot Extensions
Upgrade: Twin motors with Helical Gearbox on Inner & Outer conveyor capable of up to 600TPH/800TPH @ 1.6T/m³
Lorry mount kit
Road transportable
Towing eye
Radio remote
Belt alignment switches
Material sensors
Belt speed sensor
Low level greasing
Dust suppression spray bar
Self-alignment troughing roller
Engine: 5.5hp deployment engine

STOCKPILE CAPACITIES	
Discharge Height @ 18° Conical Stockpile Full extension	
0° radial	4890m³ (6400yd³)
30° radial	10540m³ (13790yd³)
60° radial	16190m³ (21180yd³)
90° radial	21840m³ (28570yd³)
120° radial	27490m³ (35960yd³)
150° radial	33140m³ (43340yd³)
180° radial	38800m³ (50750yd³)
270° radial	55750m³ (72920yd³)

# STOCKPILE CONFIGURATIONS

The Terex automated telescopic action can create 30% more stockpile capacity than fixed length radial conveyors.

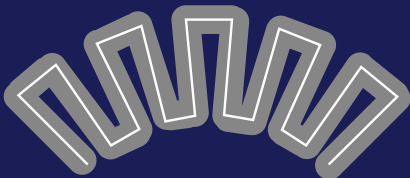
With standard conveyor producing a manual conical stockpile, 7 other automated patterns creating stockpiles as shown in below image.



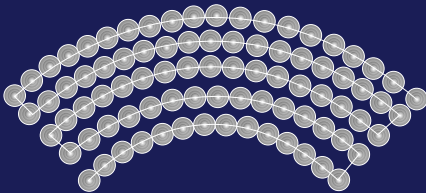
Standard Conveyor



Standard Radial



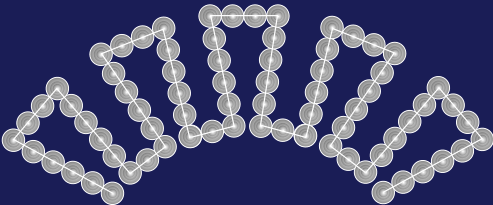
Inline Windrow



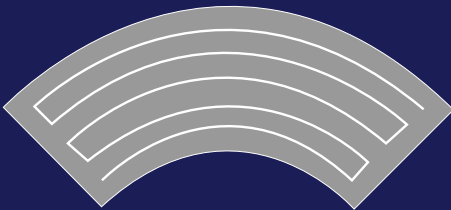
Radial Conical



Radial Windrow



Inline Conical



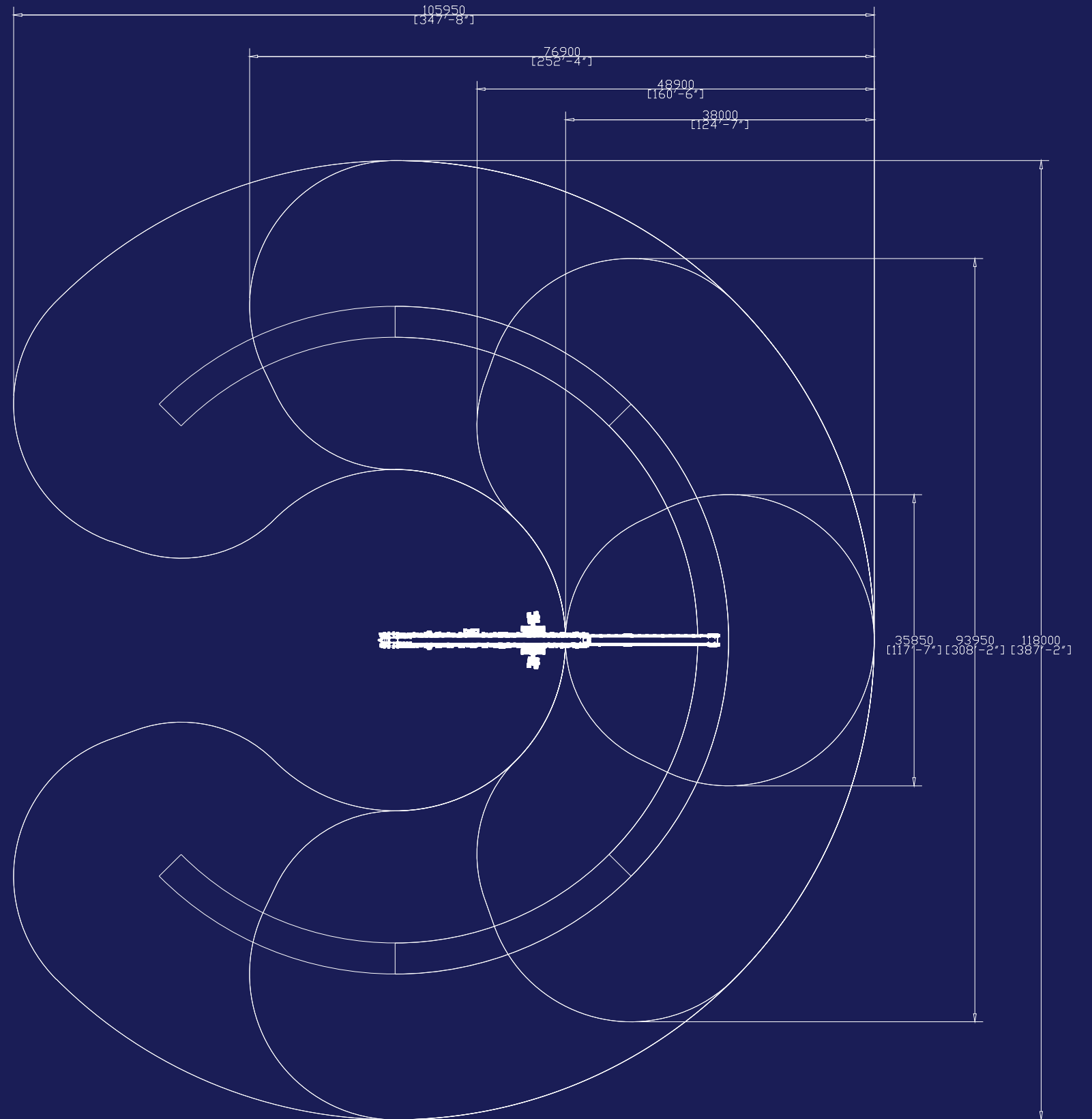
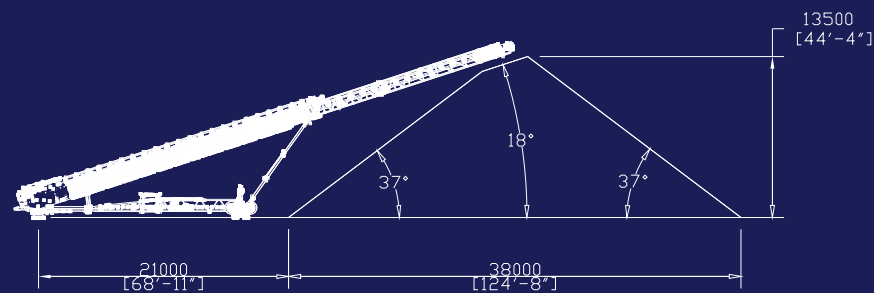
Radial Windrow Flat Top



# DIMENSIONS TW 36-140

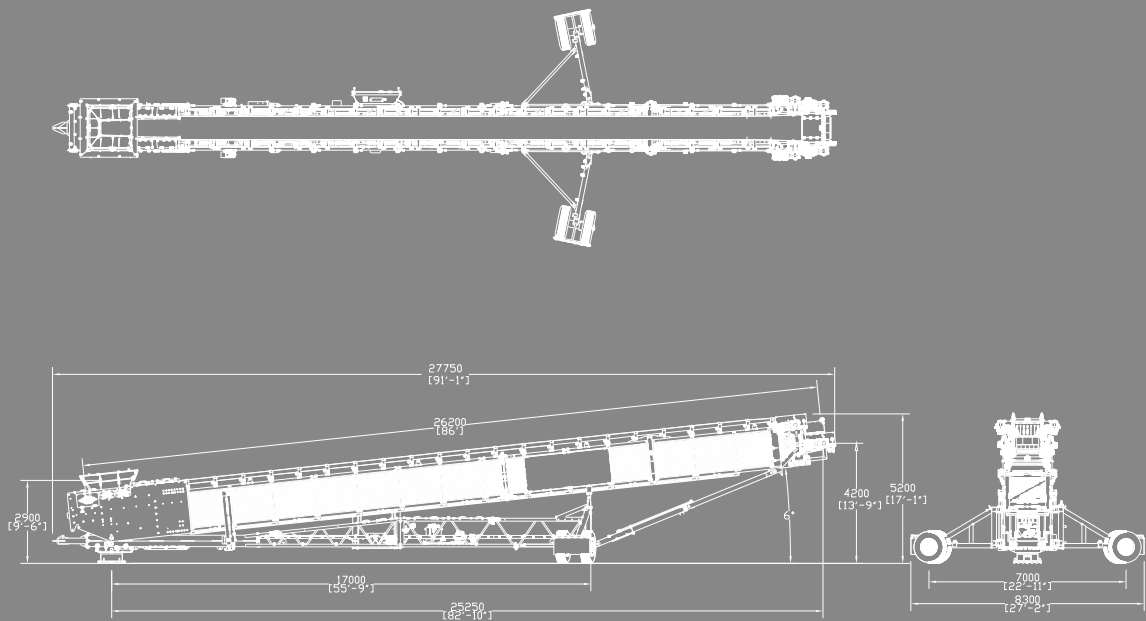
APPROX. STOCKPILE CAPACITY  
MATERIAL DENSITY: 1600kg/m<sup>3</sup>

RADIAL DEG	VOLUME (m <sup>3</sup> )	VOLUME (yds <sup>3</sup> )	MASS (Tonnes)	MASS (Ton)
0	4890	6400	7820	8620
30	10540	13790	16860	18580
60	16190	21180	25900	28550
90	21840	28570	34940	38510
120	27490	35960	43980	48480
150	33140	43340	53020	58440
180	38800	50750	62080	68430
270	55750	72920	89200	98330

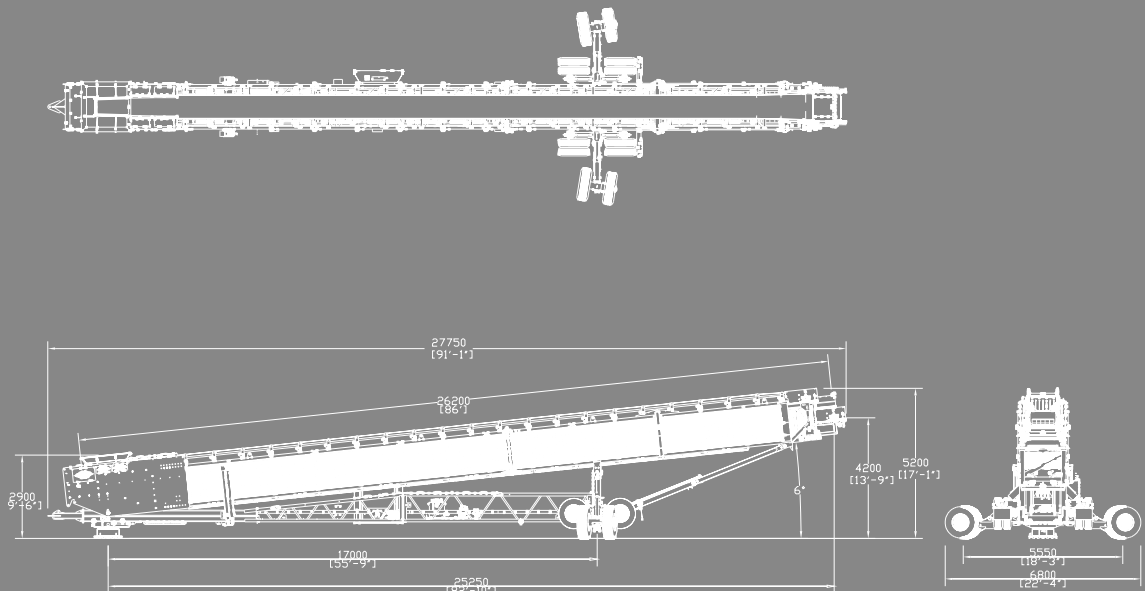


# DIMENSIONS TW 36-140

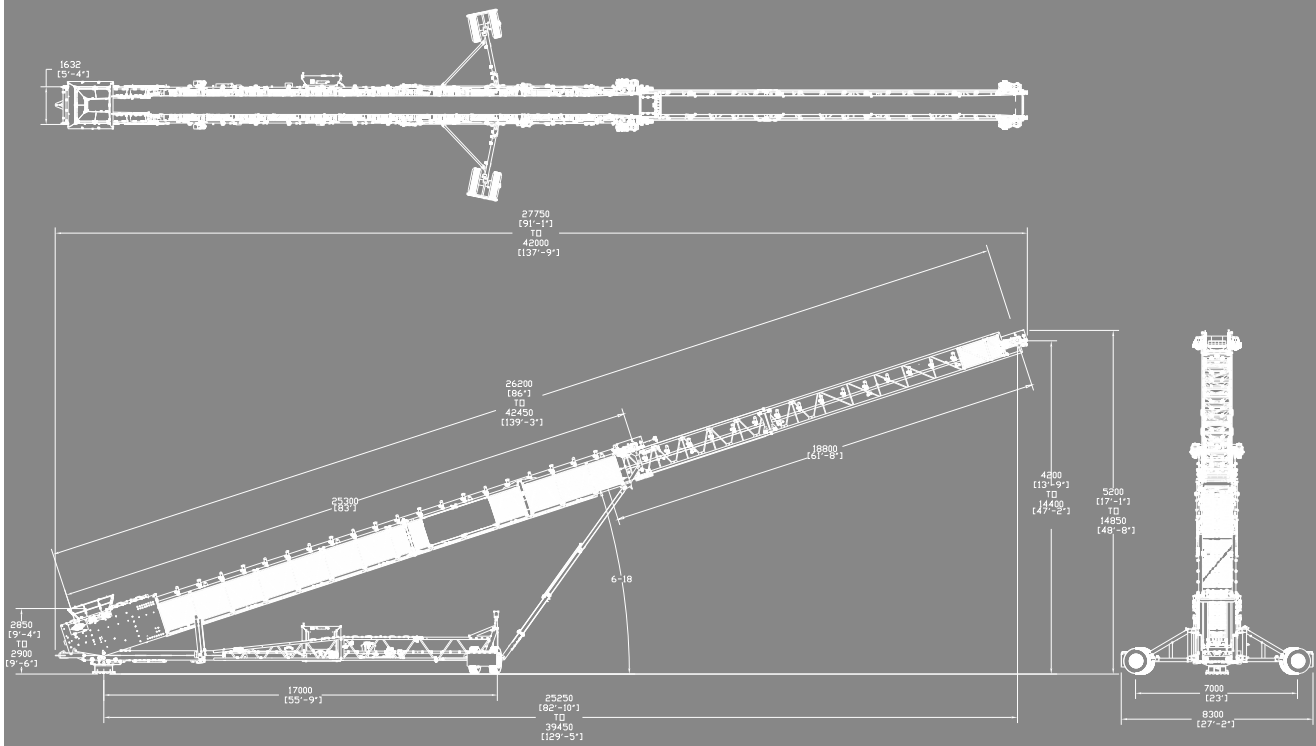
## PIT VERSION - LOWEST HEIGHT



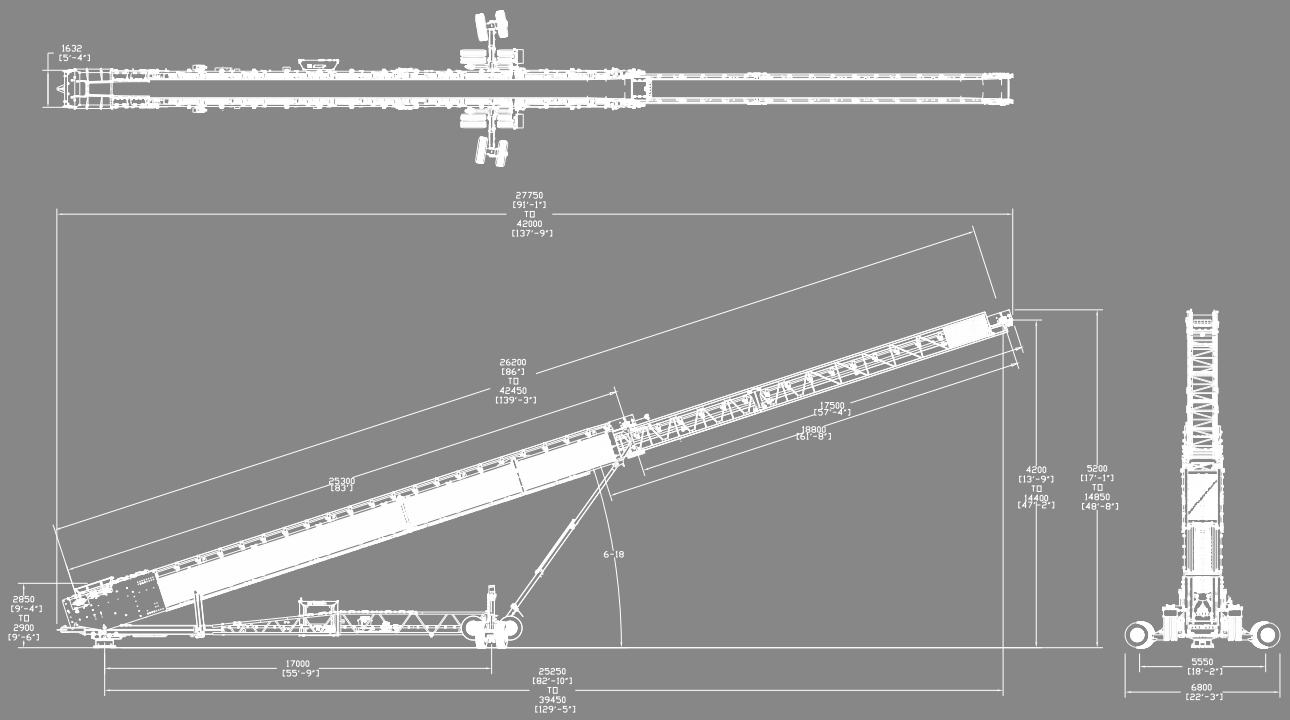
## ROAD VERSION - LOWEST HEIGHT



## MAX/MIN HEIGHT



## MAX/MIN HEIGHT







## FOR FURTHER INFORMATION PLEASE CONTACT:

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