



# **TW 42-170**

## **Radial Telescopic Conveyor**



**REDUCED COST**



**SITE OPERATING  
EFFICIENCY**



**ENVIRONMENTAL  
CONSIDERATIONS**



**IMPROVE HEALTH  
& SAFETY**



**PRODUCT  
QUALITY**

OVERVIEW TW 42-170

ProStacks TW 42-170 Telescopic Stockpiling Conveyor has a working length of 52 metres (170ft) and can be tailored to meet our customer's needs.

Capable of 270° of radial movement and a max working angle of 18° to allow for maximum stockpile capacity.

With a stockpile height of 17 metres (58ft) and maximum stockpile capacity of 92397m3 (120851 Cu.Yd.) the TW 42-170 provides a heavy-duty solution to bulk material handling.

The TW 42-170 stockpiling telescopic conveyor is suited to a wide variety of applications including mining, quarrying, ship loading and heap leaching.

Max Working Height: 20.25m (66' 5")  
Min Working Height: 4.2m (13' 9")

STOCKPILE CAPACITY  
Discharge Height @ 18°@ 270°  
Radial: 55750m³ (72920 Cu.Yd.)

Drum Minimum Length (Retracted): 27.2m (89' 5")  
Drum Maximum Length (Extended): 42.45m (139' 3")

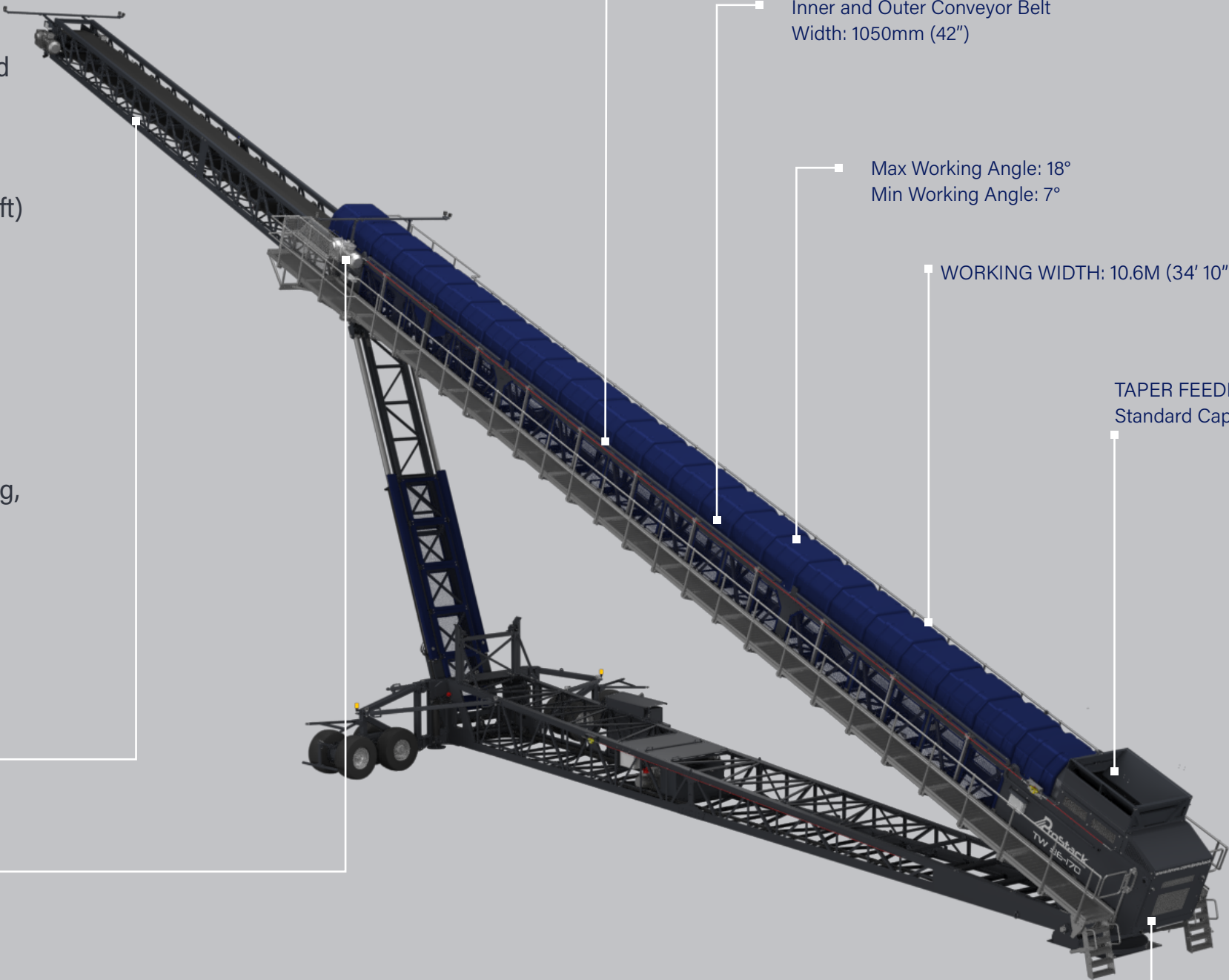
Inner and Outer Conveyor Belt Width: 1050mm (42")

Max Working Angle: 18°  
Min Working Angle: 7°

WORKING WIDTH: 10.6M (34' 10")

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

POWERUNIT  
Fully Electric, requires a generator to operate

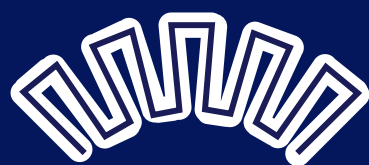




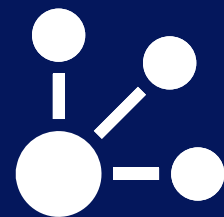
# FEATURES TW 42-170



HIGH POWERED  
CONVEYOR



AUTOMATED  
STOCKPILE  
PATTERNS



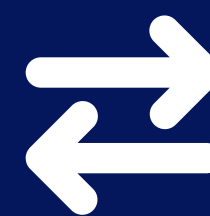
MULTIPLE  
TONNAGE  
OPTIONS



IDEAL FOR PORT  
AND TERMINAL  
APPLICATIONS



FULL ELECTRIC  
DRIVE



EASY TO  
TRANSPORT

FEEDBOOT DEADBOX	
Standard Capacity	1.55 m3 (1.4 Cu. Yd.)
Feed In Width	1648 mm (5' 4")

CONVEYORS	
Inner Conveyor	
Width	1050mm (42")
Belt Centres	21.65m (71' 0")
Belt Type (Plain/Chevron)	Plain
Belt Spec	EP400 3 4+2
Drive Drum Diameter	520 mm
Tail Drum Diameter	457 mm
Max Belt Speed of Conveyor	162 MPM
Motor Size & type	2 x 30KW
Outer Conveyor	
Width	1050mm (42")
Belt Centres	31.0m (101' 9" )
Belt Type (Plain/Chevron)	Plain
Belt Spec	EP400 3 4+2
Drive Drum Diameter	520
Tail Drum Diameter	457 mm
Max Belt Speed of Conveyor	156 MPM
Motor Size & type	2 x 37KW
Operating Angle	7 - 18°

WEIGHT	
Total Weight	56500Kg (124561 lbs)
Maximum Tonnage	1500tph
Maximum Feed Size	100mm (4") based on 30 degree surcharge

TRANSPORT
5 x High Cube Container

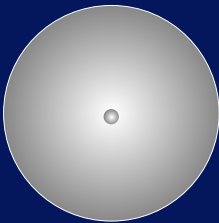
OPTIONS
Belt weigher
Pull cord E-Stop
Feedboot Lined 6mm steel liner
Feedboot Lined 6mm AR400
Feedboot Lined 12mm AR400
Feedboot Lined 20mm rubber liner
Chevron Belt
Heavy Duty Belt
Working Lights
Twin Radial Drive
Feedboot Extensions
Upgrade: Twin motors with Helical Gearbox on Inner & Outer conveyor
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
Tracked Tugger

STOCKPILE CAPACITIES		
RADIAL DEG	VOLUME (m³)	VOLUME (yrds³)
0	7858	10278
30	17252	22565
60	26645	34850
90	36038	47136
120	45431	59422
150	54825	71708
180	64218	83994
270	92397	120851

## STOCKPILE CONFIGURATIONS

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

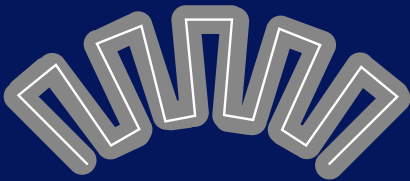
With standard conveyor producing a manual conical stockpile, 6 other automated patterns creating stockpiles as shown in below image.



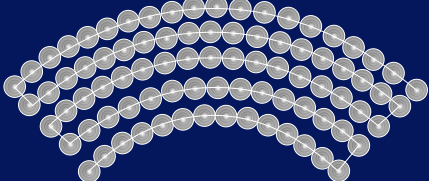
Standard Conveyor



Standard Radial



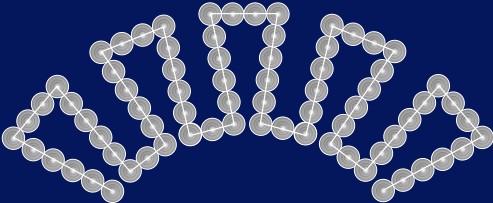
Inline Windrow



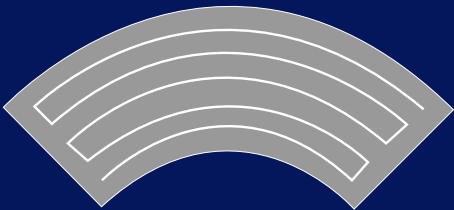
Radial Conical



Radial Windrow



Inline Conical



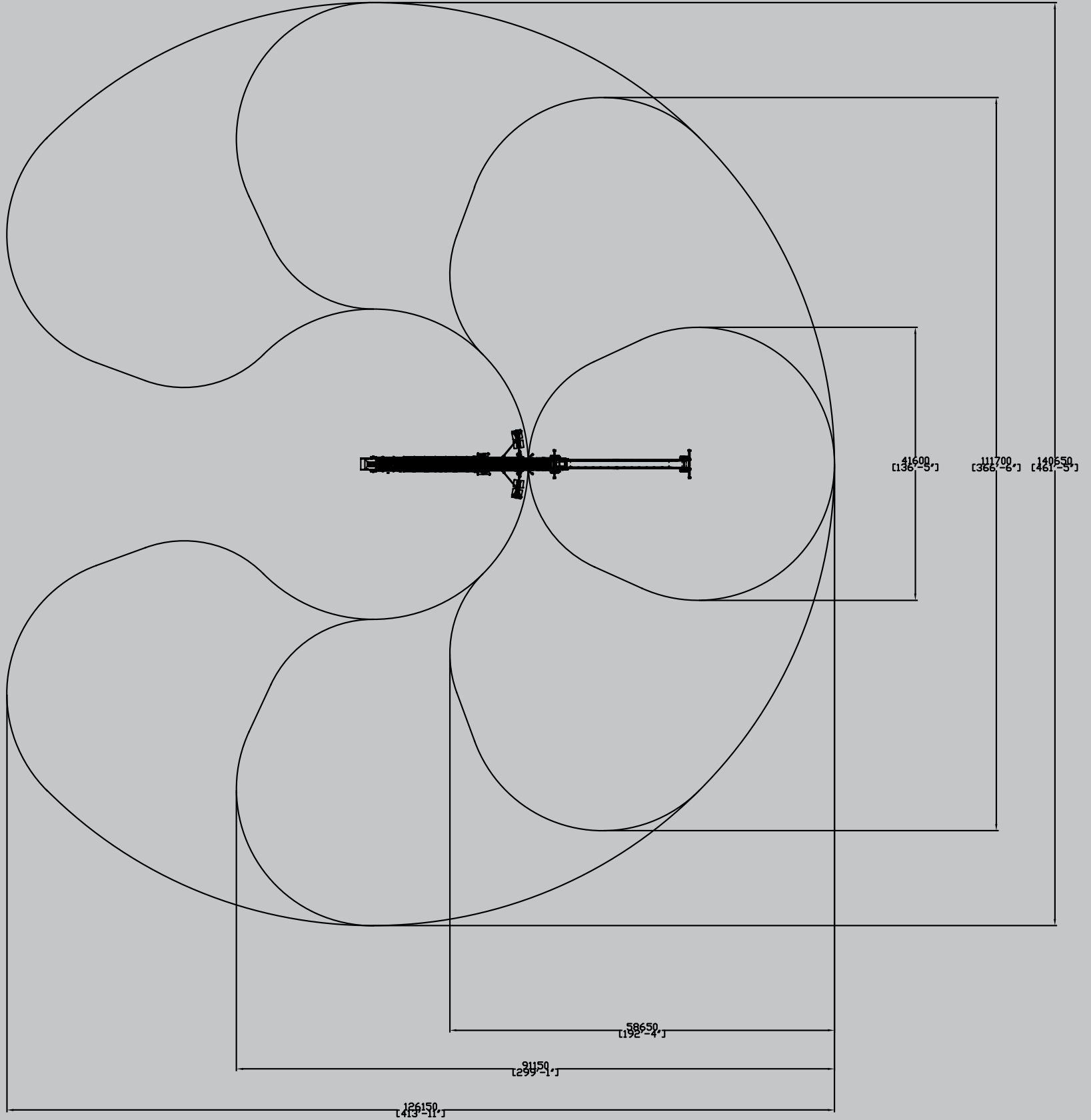
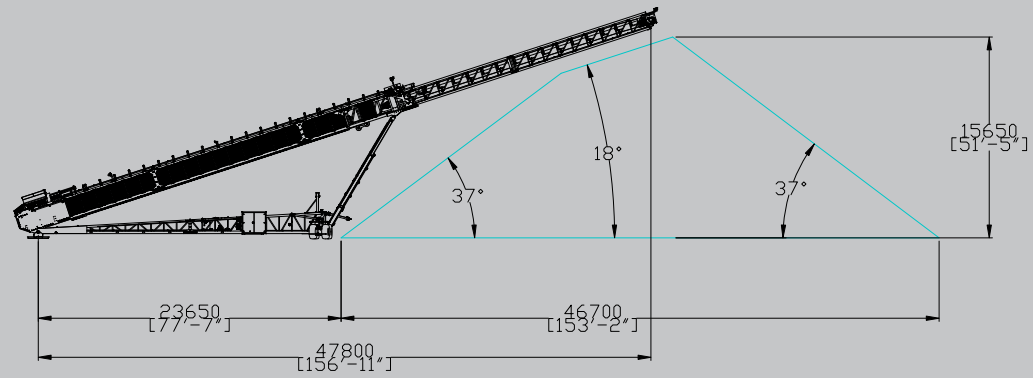
Radial Windrow Flat Top



# DIMENSIONS TW 42-170

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

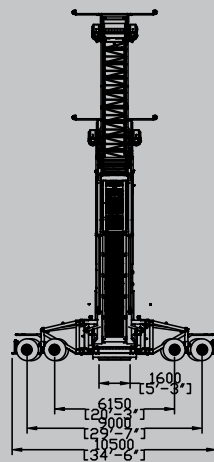
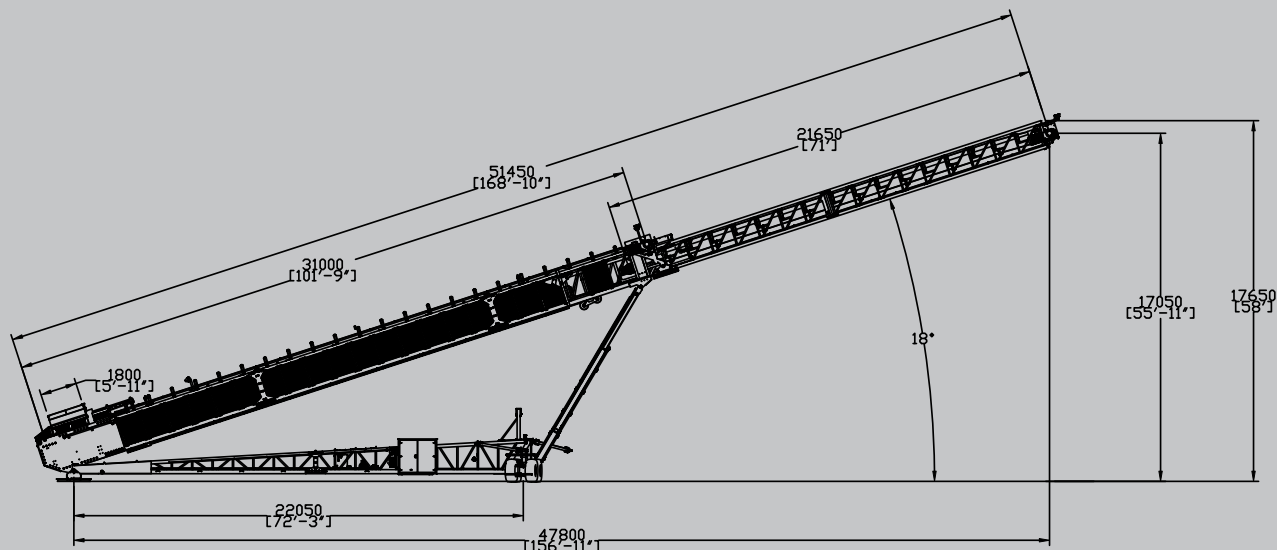
RADIAL DEG	VOLUME (m <sup>3</sup> )	VOLUME (yrds <sup>3</sup> )	MASS (Tonnes)	MASS (Ton)
0	7858	10278	12573	13830
30	17252	22565	27603	30364
60	26645	34850	42632	46895
90	36038	47136	57661	63427
120	45431	59422	72690	79959
150	54825	71708	87720	96492
180	64218	83994	102749	113024
270	92397	120851	147835	162619



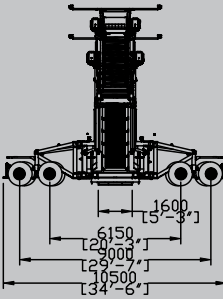
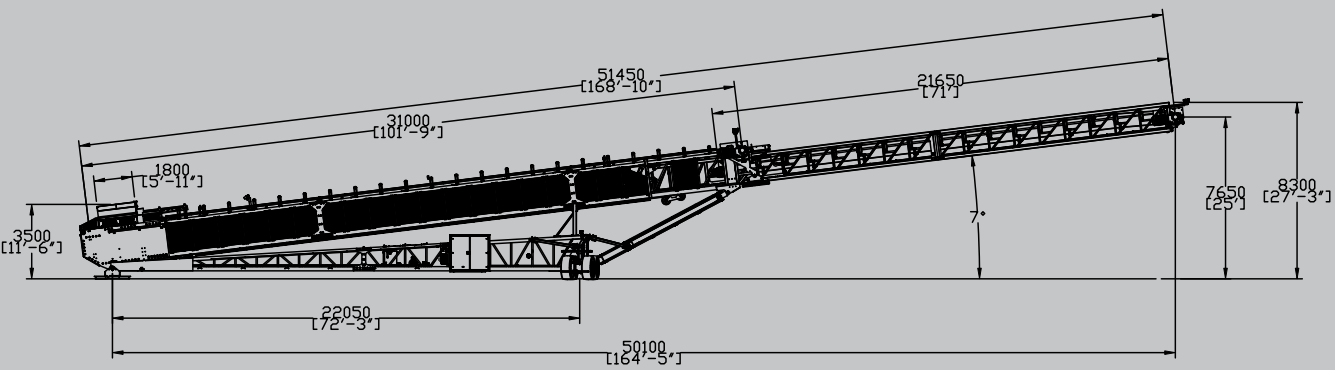
# DIMENSIONS TW 42-170

## WORKING

MAX WORKING HEIGHT



MIN WORKING HEIGHT







## FOR FURTHER INFORMATION PLEASE CONTACT:

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