

TECHNICAL DATA SHEET

# TC150

## RADIAL TELESCOPIC CONVEYOR



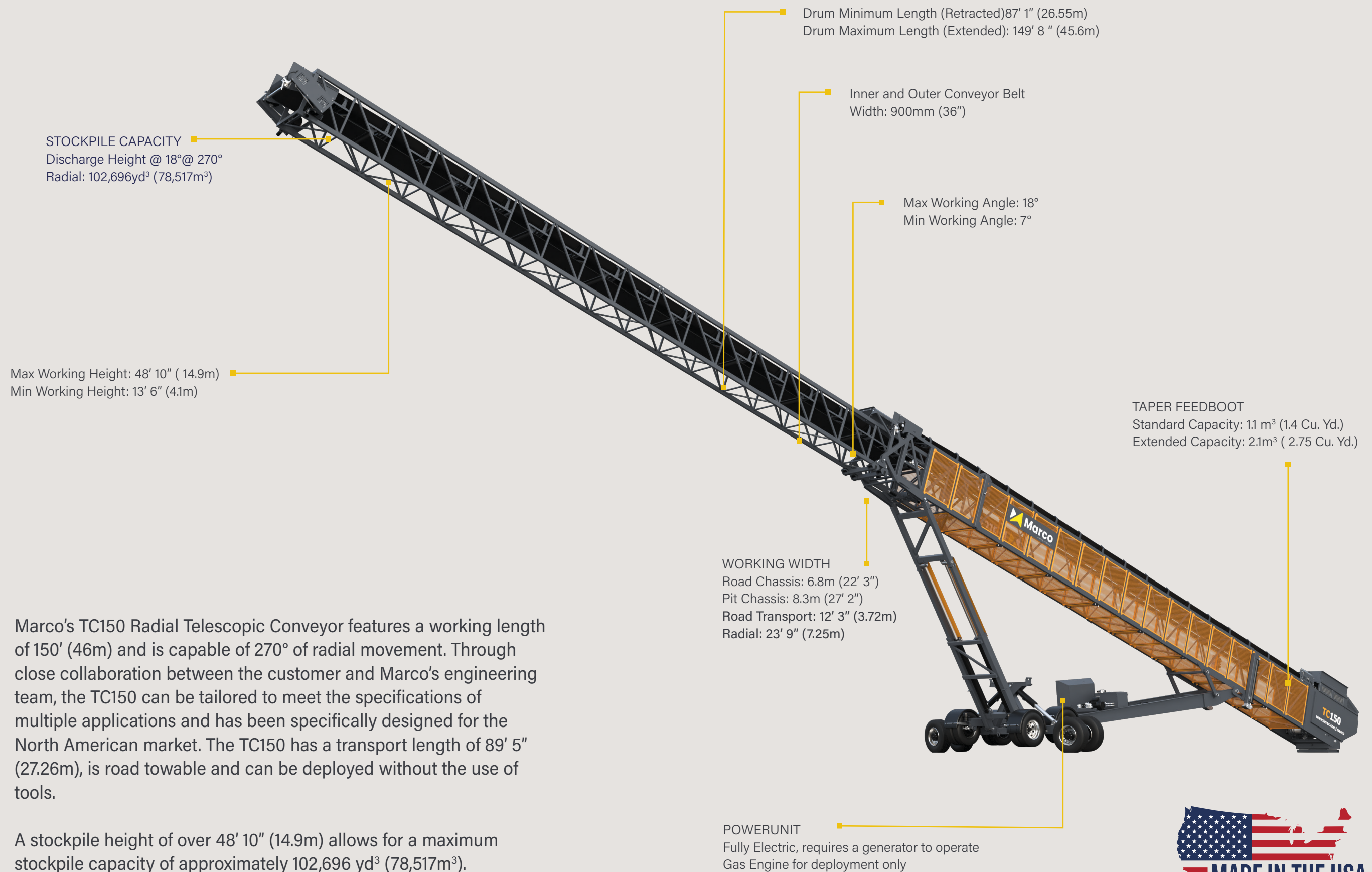
**Marco**®  
A TEREX BRAND



# OVERVIEW TC150

Marco's TC150 Radial Telescopic Conveyor features a working length of 150' (46m) and is capable of 270° of radial movement. Through close collaboration between the customer and Marco's engineering team, the TC150 can be tailored to meet the specifications of multiple applications and has been specifically designed for the North American market. The TC150 has a transport length of 89' 5" (27.26m), is road towable and can be deployed without the use of tools.

A stockpile height of over 48' 10" (14.9m) allows for a maximum stockpile capacity of approximately 102,696 yd<sup>3</sup> (78,517m<sup>3</sup>).



FEEDBOOT DEADBOX

Standard Capacity	1.1 m <sup>3</sup> (1.4 Cu. Yd.)
Feed In Width	1500mm (4' 10")
Extended Capacity	2.1m3 ( 2.75 Cu. Yd.)
Extended Feed In Width	1820mm (5' 11")
Minimum Feed In Height	2450mm (8' 1")
Extended Minimum Feed In Height	2950mm (9'8")

CONVEYORS

Inner Conveyor	
Width	900mm (36")
Belt Centres	24.25m (79' 6")
Belt Type (Plain/Chevron)	Plain
Belt Spec	220 PIW 2-PLY 3/16" X 1/16"
Drive Drum Diameter	16" (427mm)
Tail Drum Diameter	14" (356mm)
Max Belt Speed of Conveyor	2.6 m/min
Motor Size & type	2 x 11KW
Outer Conveyor	
Width	900mm (36")
Belt Centres	26.55m (87' 1 ")
Belt Type (Plain/Chevron)	Plain
Belt Spec	220 PIW 2-PLY 3/16" X 1/16"
Drive Drum Diameter	16" (427mm)
Tail Drum Diameter	14" (356mm)
Max Belt Speed of Conveyor	2.1 m/sec
Motor Size & type	1 x 30KW
Operating Angle	7-18°

WEIGHT

Total Weight (STD) (kg)	29,500kg (64,310lbs)
Axle Weight (Transport)	19,760kg (43560 lbs)
Kingpin Weight	9,410 kg (20,745 lbs)
Maximum Tonnage	1000 TPH
Maximum Feed Size	100mm (4") based on 30 degree surcharge

OPTIONS

Upgrade to 1000TPH
Pull Cord Emergency Stop
Feedboot Liners: 6mm Mild Steel
Feedboot Liners: 6mm Wear Plate (AR400)
Feedboot Liners: 12mm Wear Plate (AR400)
Feedboot Liners: 20mm rubber
Conveyor Fitted With Chevron Belt EP315/3 Ply x 3+1.5 Covers
Conveyor Fitted With Heavy Duty Plain Belt EP500/4 Ply x 8+2 Covers
Working Lights
Belt Weigher
Radio Remote
Low level Grease points for Inner Conveyor and Outer conveyor
Self Aligning Rollers

GENERAL

Road Trasportable - Machine fully Assembled in USA
Emergancy Stops x5
Twin Radial Wheel Drive
Underguard Length Of Outer Section
Outer Conveyor side guards
Lorry mount Kit - CW 5.5HP deployment engine, Hydraulic jacking legs, Hyd kingpin swivel
Hydraulic Raise /lower Raidal powered by 11kw Electric motor.
Conveyor head drum bearing automatic greasing cartridge
Hydraulic Winch for telescopic action
Hydraulic Tank Capacity 265 L

STOCKPILE CAPACITIES

Discharge Height @ 18° Conical Stockpile Full extension	
0° radial	7,065 m <sup>3</sup> (9,241 yd <sup>3</sup> )
30° radial	15,004 m <sup>3</sup> (19,624 yd <sup>3</sup> )
60° radial	22,943 m <sup>3</sup> (30,008 yd <sup>3</sup> )
90° radial	30,882 m <sup>3</sup> (40,392 yd <sup>3</sup> )
120° radial	38,821 m <sup>3</sup> (50,776 yd <sup>3</sup> )
1500 radial	46,760 m <sup>3</sup> (61,160 yd <sup>3</sup> )
1800 radial	54,700 m <sup>3</sup> (71,545 yd <sup>3</sup> )
2700 radial	78,517 m <sup>3</sup> (102,696 yd <sup>3</sup> )
Variable Speed (Y/N)	Yes (via Pulley Change)

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.



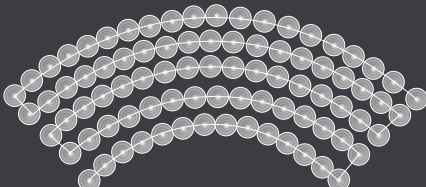
Standard Conveyor



Standard Radial



Inline Windrow



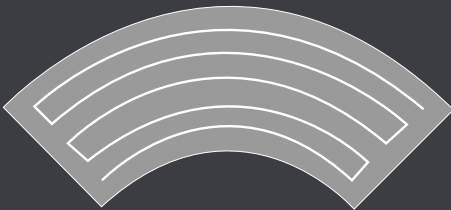
Radial Conical



Radial Windrow

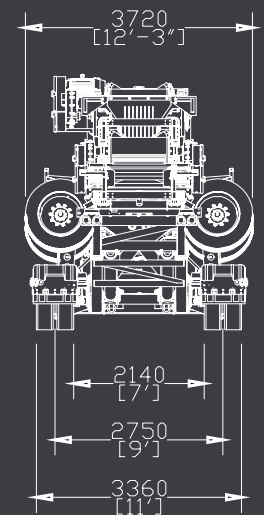
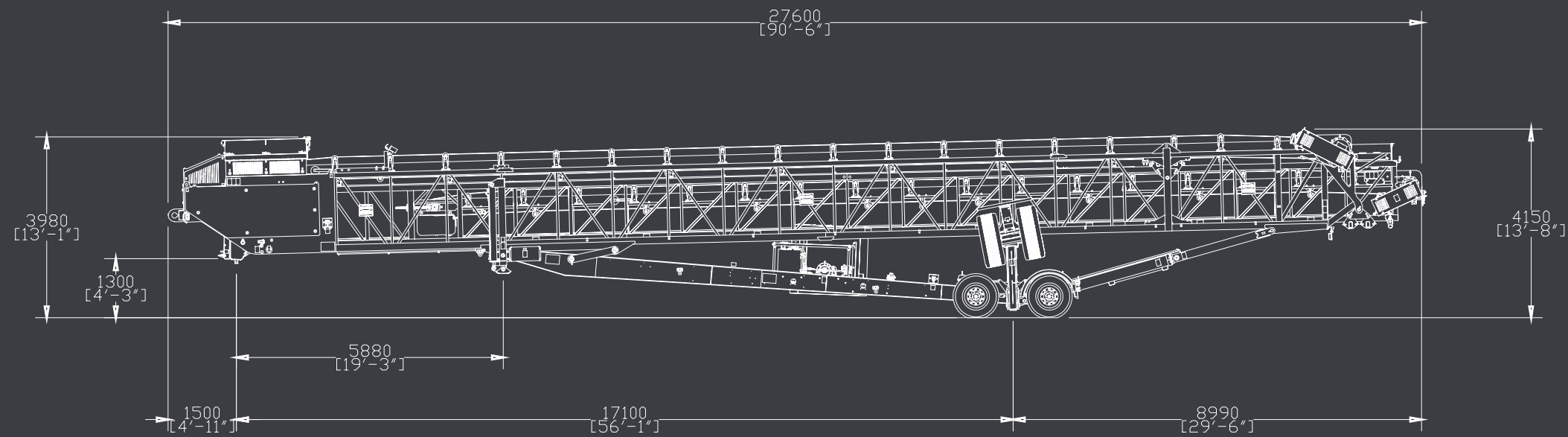
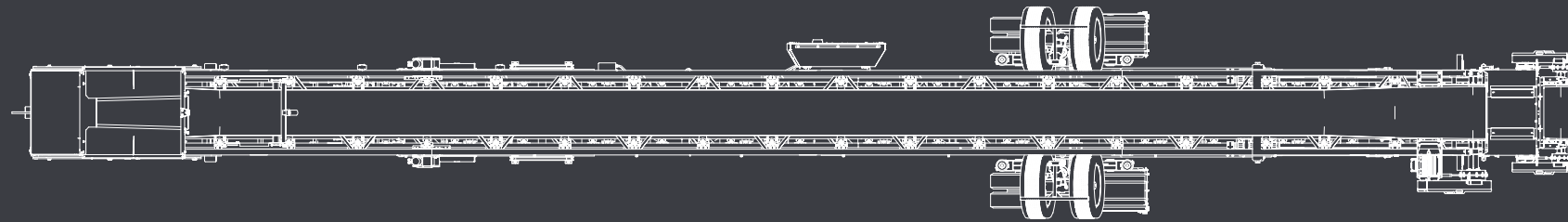


Inline Conical



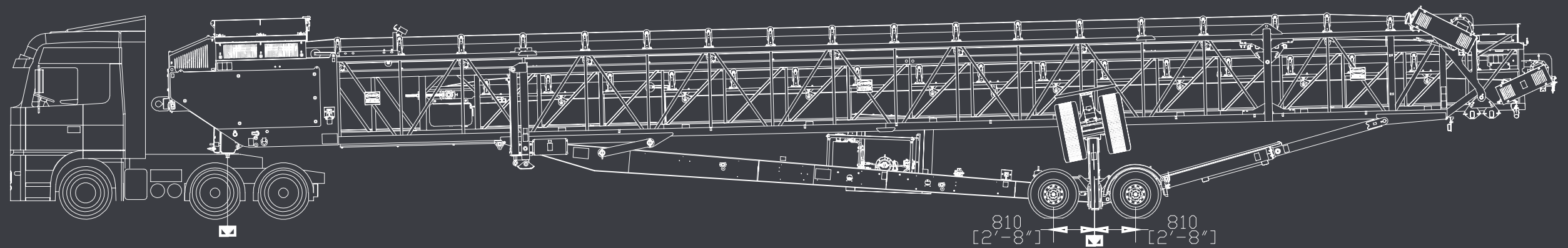
Radial Windrow Flat Top

# TRANSPORT





# TRANSPORT



9410KG / 20745LBS  
 ACTING AT FIFTH  
 WHEEL

19760KG / 43560LBS  
 ACTING AT TRANSPORT  
 WHEELS

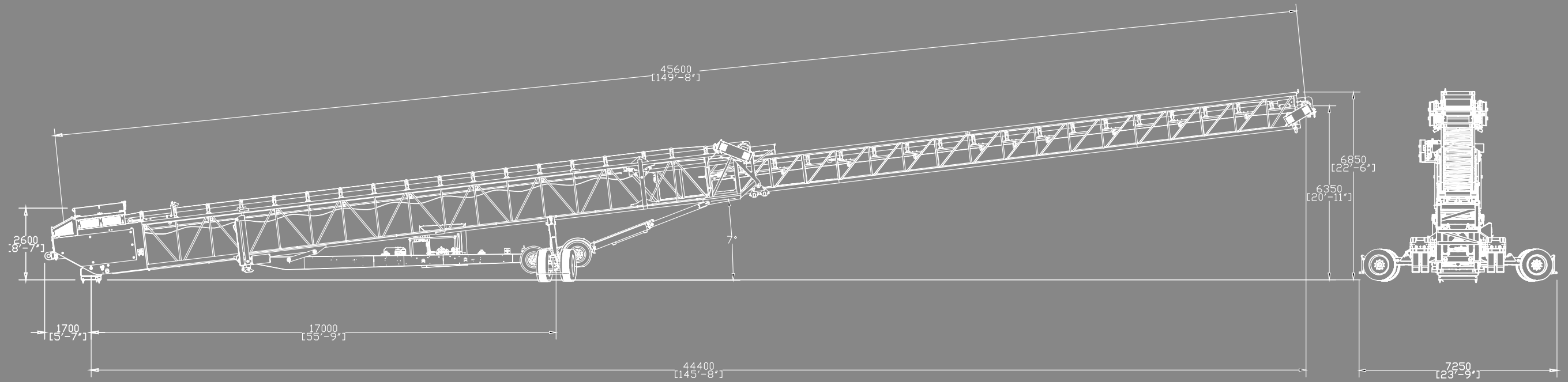
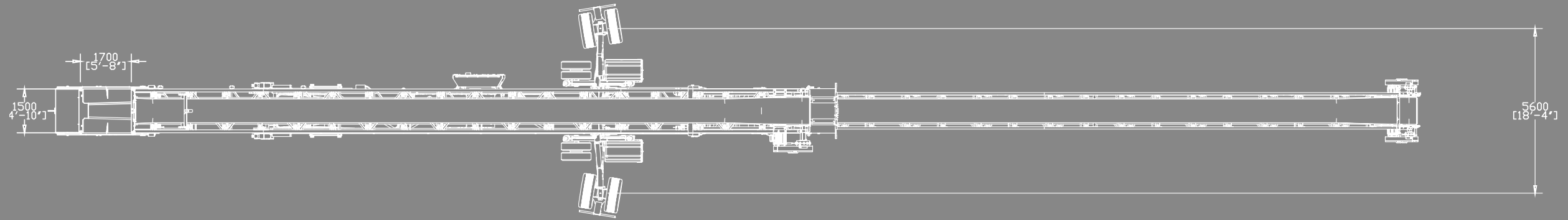
9880KG / 21780 LBS  
 PER AXLE

TC150

DIMENSIONS

# WORKING

## Minimum Height



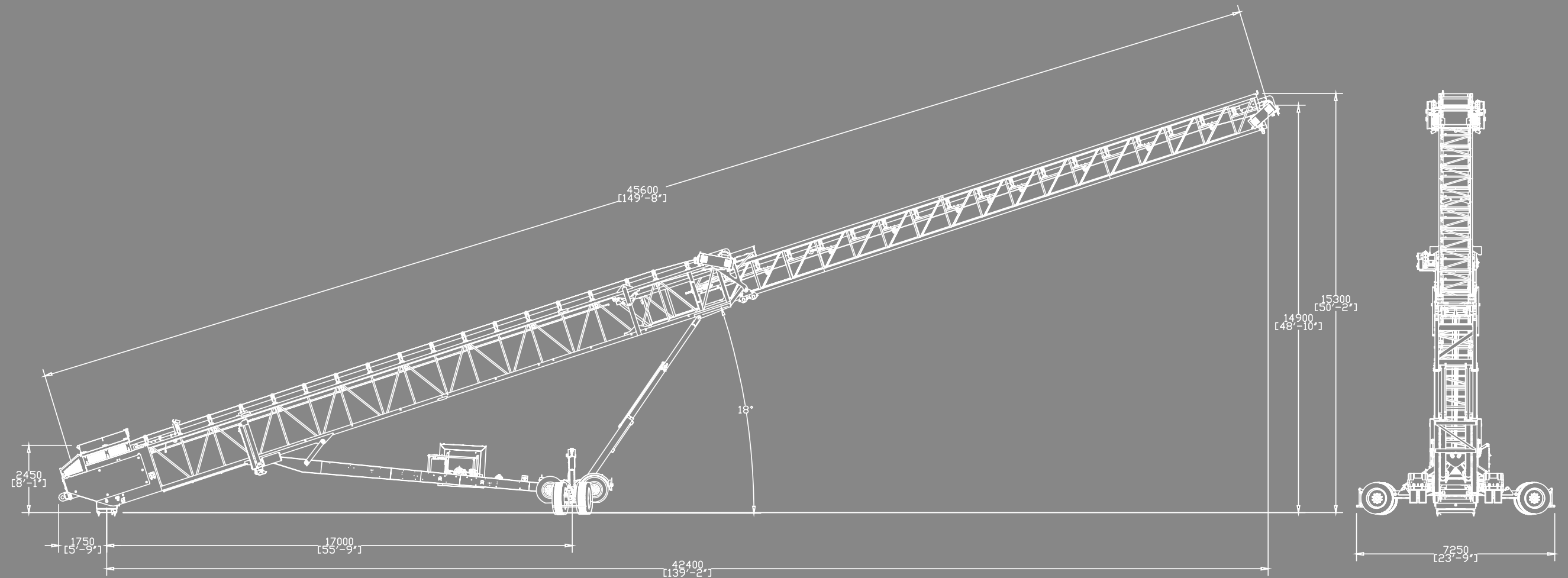
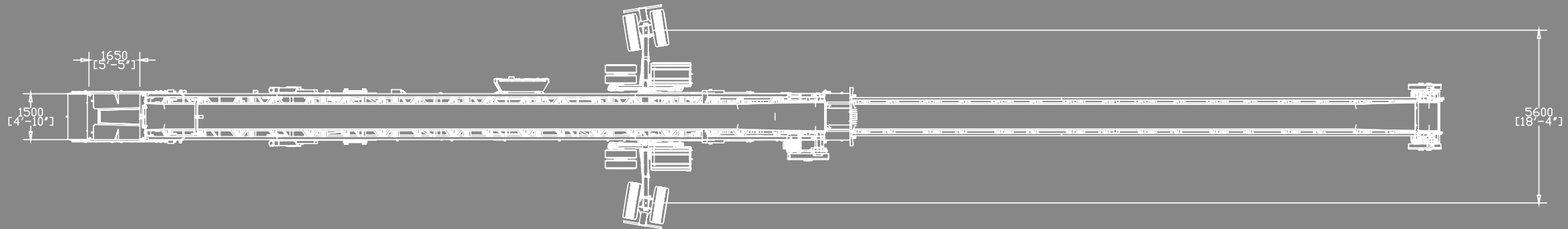
**DIMENSIONS**

**TC150**

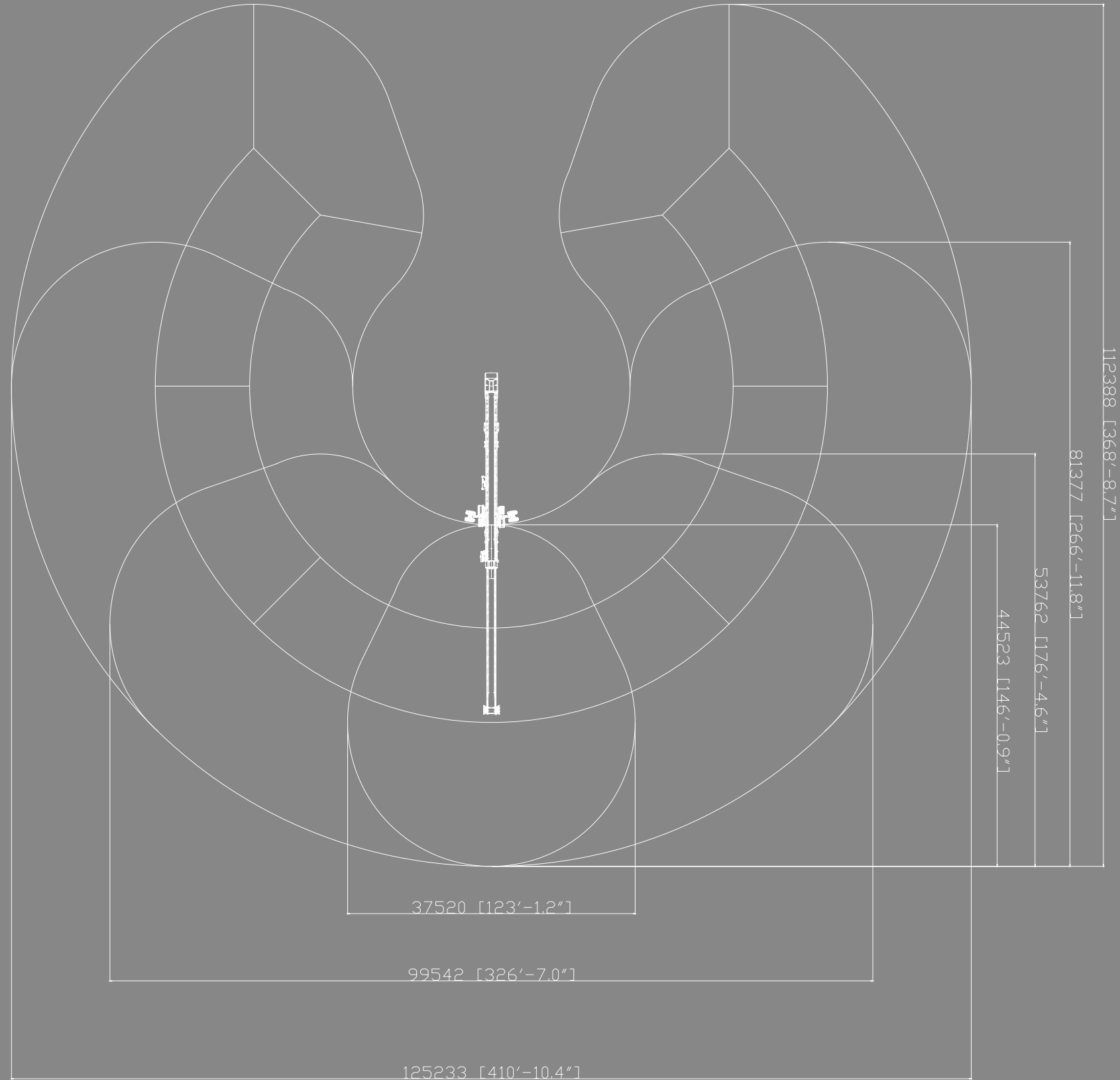


# WORKING

## Maximum Height



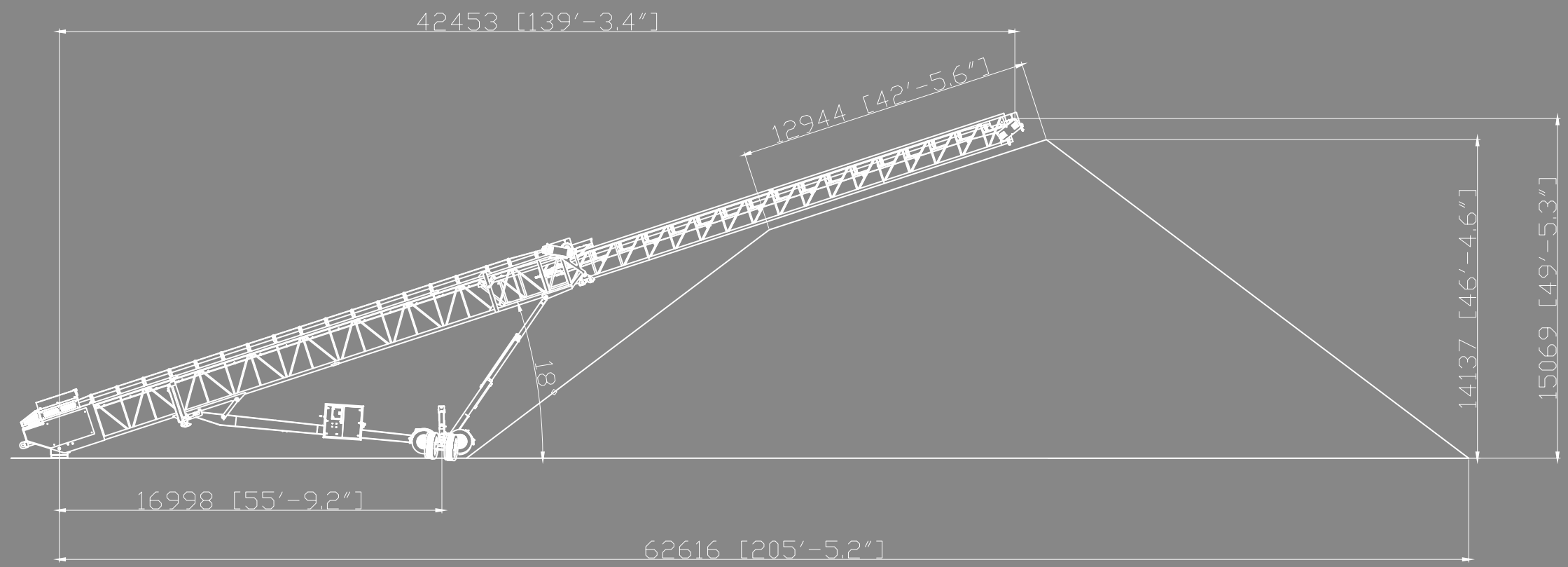
## WORKING





WORKING

Stockpile



RADIAL DEG	VOLUME (m3)	VOLUME (ynds3)	MASS (Tonnes)	MASS (Ton)
0	7065	9241	11304	12434
90	30882	40392	49411	54352
180	54700	71545	87520	96272
270	78517	102696	125627	138190

DIMENSIONS

TC150



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Published and Printed in June 2025. All machines are CE Approved.

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