TECHNICAL
SPECIFICATION



TCW 52

RADIAL TELESCOPIC CONVEYOR

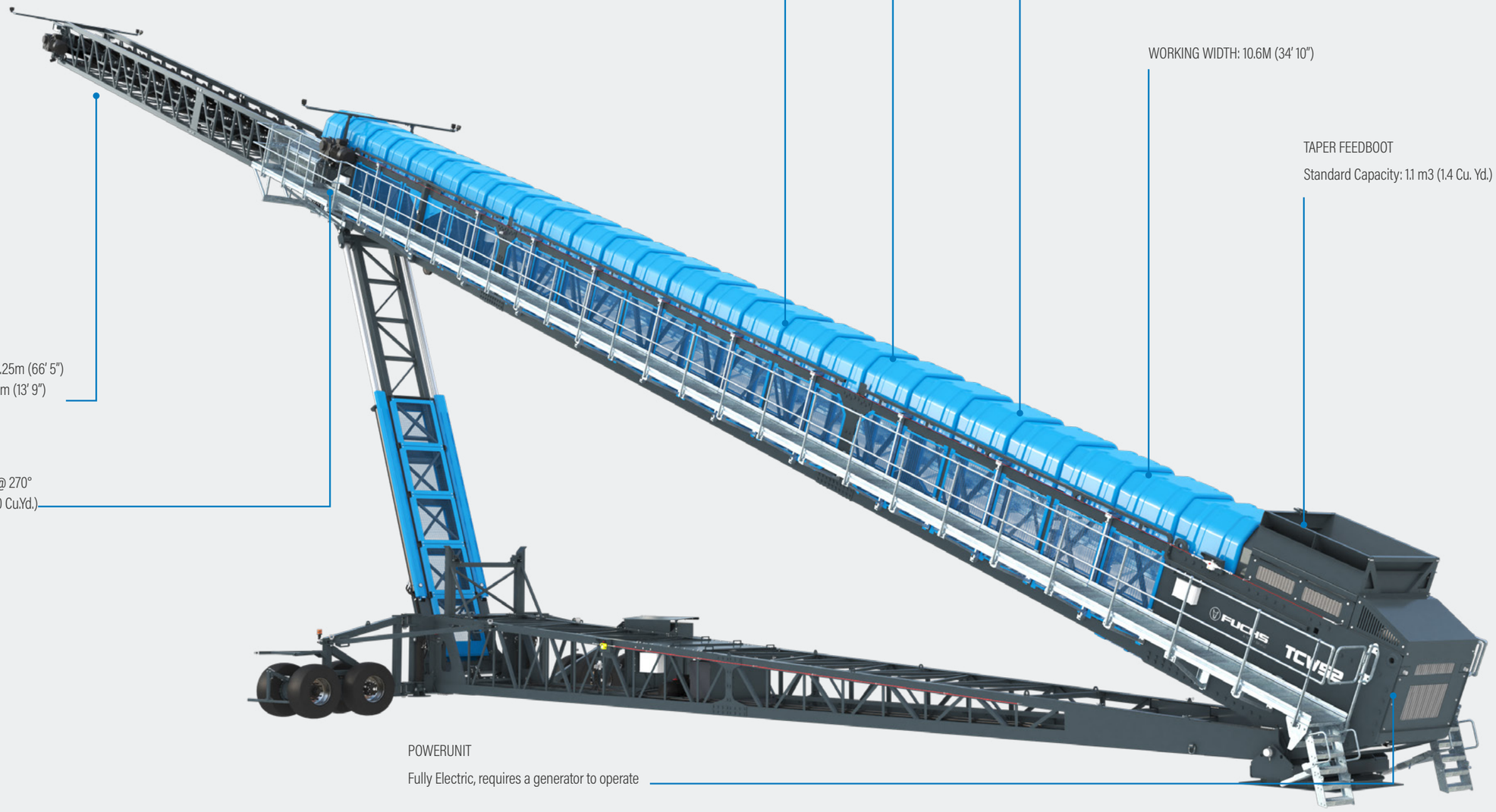
FUCHS PORT LINE

TCW 52 RADIAL TELESCOPIC CONVEYOR

Fuchs TCW 52 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 TCW 52 provides a heavy-duty solution to bulk material handling.

The TCW 52 stockpiling telescopic conveyor is suited to a wide variety of applications including mining, quarrying, ship loading and heap leaching.



TCW 52 RADIAL TELESCOPIC CONVEYOR

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 - 18º

WEIGHT

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

TRANSPORT DIMENSIONS

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

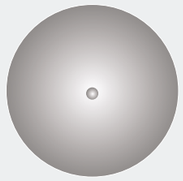
STOCKPILE CAPACITIES

Radial Deg	Volume (m^3)	Volume ($yrds^3$)
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.



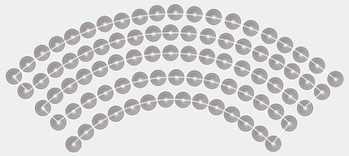
STANDARD CONVEYOR



STANDARD RADIAL



INCLINE WINDROW



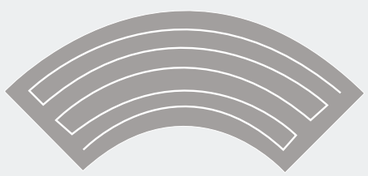
RADIAL CONICAL



RADIAL WINDROW



INCLINE CONICAL

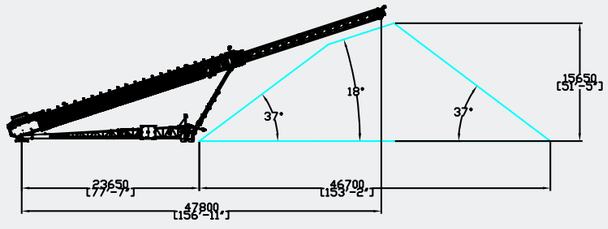


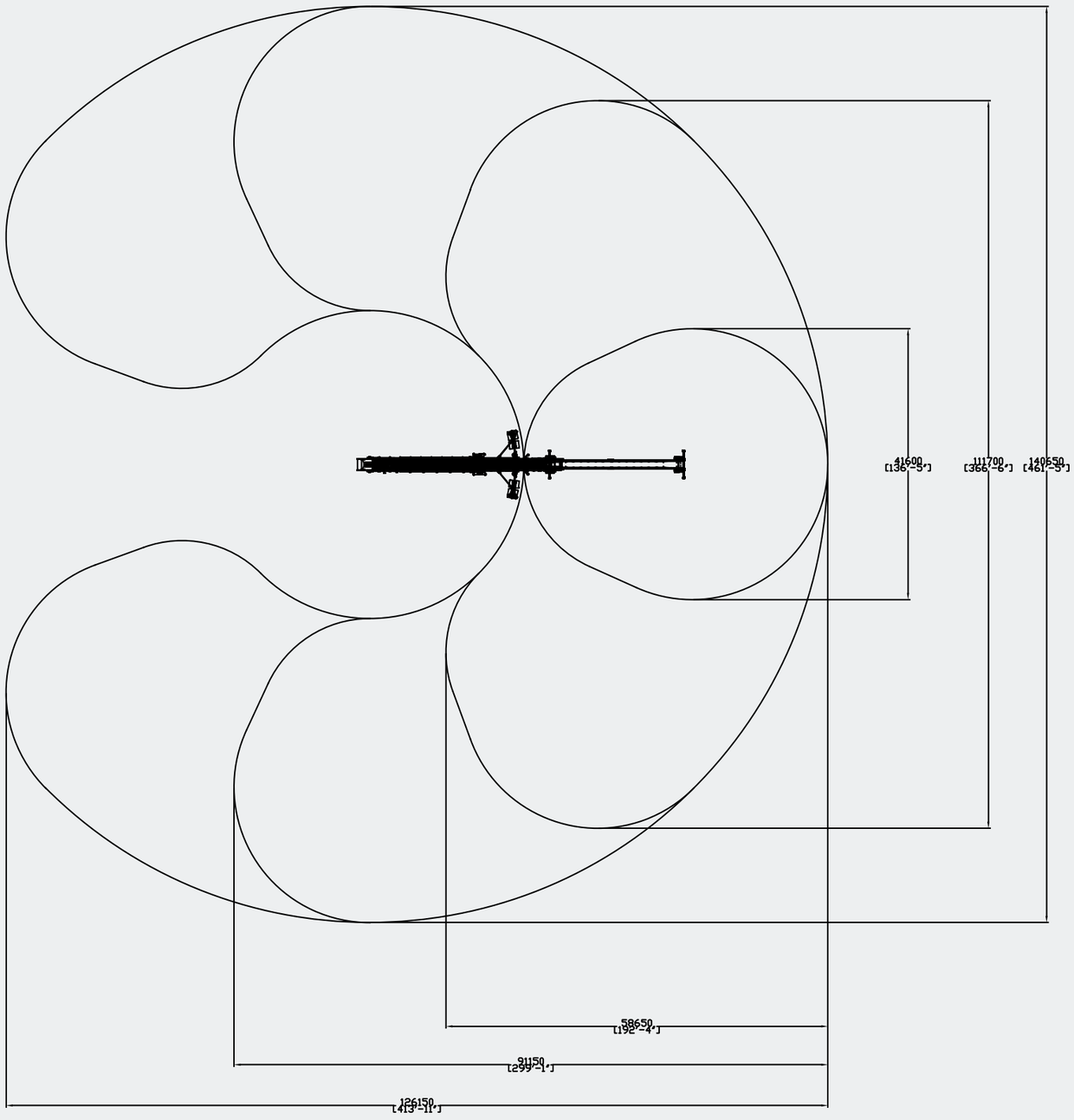
RADIAL WINDROW FLAT TOP

DIMENSIONS

APPROX. STOCKPILE CAPACITY
MATERIAL DENSITY: 1600kg/m3

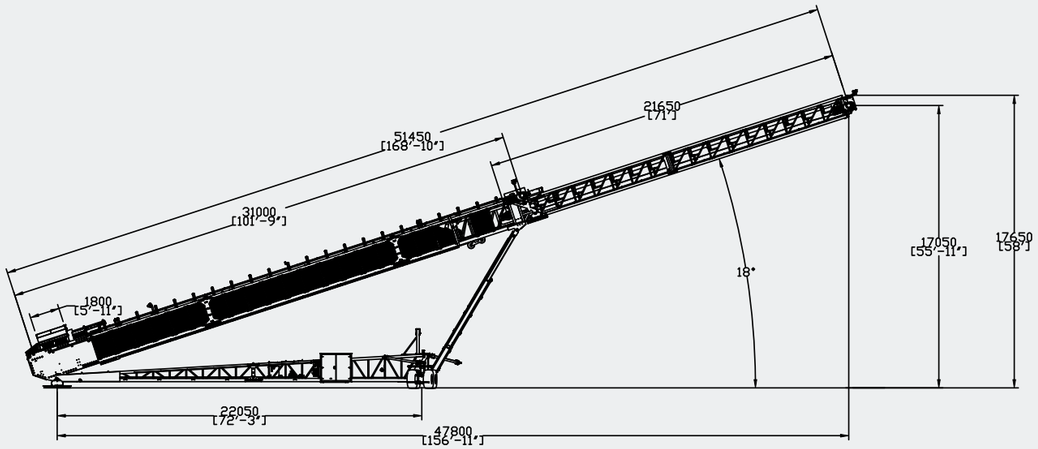
RADIAL DEG	VOLUME (m3)	VOLUME (yrds3)	MASS (Tonnes)	MASS (Ton)
0	7858	10278	12573	13830
30	17252	22565	27603	30364
60	26645	34850	42632	46895
90	36038	47136	57661	63427
120	45431	59422	72690	79959
150	54825	71708	87720	96492
180	64218	83994	102749	113024
270	92397	120851	147835	162619

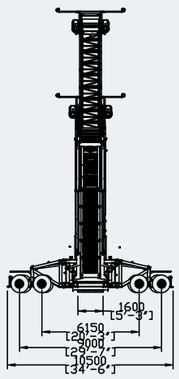




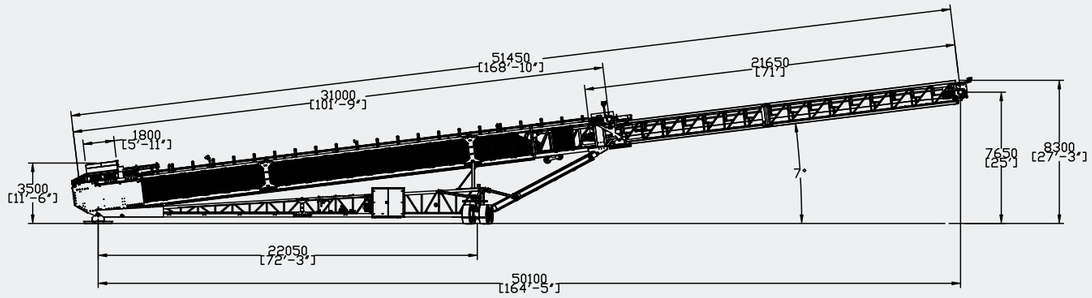
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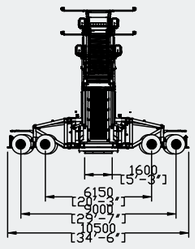
MAXIMUM HEIGHT





MINIMUM HEIGHT





FUCHS PORT LINE

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