

**TECHNICAL
SPECIFICATION**



A TEREX BRAND

TC50 ORGANICS **TRACKED CONVEYOR**



**RECORD, DISPLAY
AND ANALYSE DATA**



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TC50 ORGANICS

ELECTRIC OPTION AVAILABLE 

DIMENSIONS

Transport	Length	13.13 M (43'-1")
	Width	2.565 M (8'-5")
	Height	2.67 M (8'-9")
Working @24°	Length (Overall)	15.66 M (51'-4")
	Width	3.83 M (12'-7")
	Height (Top of Drum)	3.96 M (13'-0")
Total Weight (STD) (kg)		11,500
Maximum Tonnage		600 TPH (DEPENDENT ON MATERIAL AND BULK DENSITY)
Maximum Feed Size		150 MM (DEPENDENT ON MATERIAL AND BULK DENSITY)

FEEDBOOT

Standard Capacity	8.65 M³ (11.31 YD³)
Extended Capacity	8.65 M³ (11.31 YD³)
Standard Feed In Width	3.7 M (12'-2")
Extended Feed In Width	3.7 M (12'-2")
Standard Minimum Feed In Height @24°	2.55 M (8'-4")
Extended Minimum Feed In Height @24°	2.55 M (8'-4")
Auger Speed	110RPM
Auger Control	Flow control and directional

CONVEYORS

Width	1200MM (48")
Belt Centres	15,15 M (49'-9")
Belt Type (Plain/Chevron)	CHEVRON
Belt Spec	EP400/3PLY 3+1.5 OR EQUIVALENT
Drive Drum Diameter	376 MM (14.8")
Tail Drum Diameter	275 MM (11")
Max Belt Speed of Conveyor	2.72 M/SEC
Motor Size & type	TWIN OMV 400CC
Operating Angle	0-24°
Variable Speed (Y/N)	YES

Discharge Height @ 10°	4.04 M (13'-3")
Stockpile Capacity @ 10° & 37° Angle of Repose	121.6 M³ (159 YD³)
Discharge Height @ 12°	4.51 M (14'-9")
Stockpile Capacity @ 12° & 37° Angle of Repose	169.2 M³ (221.3 YD³)
Discharge Height @ 14°	4.97 M (16'-4")
Stockpile Capacity @ 14° & 37° Angle of Repose	226.4 M³ (296.1 YD³)
Discharge Height @ 16°	5.42 M (17'-9")
Stockpile Capacity @ 16° & 37° Angle of Repose	293.6 M³ (384 YD³)
Discharge Height @ 18°	5.87 M (19'-3")
Stockpile Capacity @ 18° & 37° Angle of Repose	373 M³ (488 YD³)
Discharge Height @ 20°	6.32 M (20'-9")
Stockpile Capacity @ 20° & 37° Angle of Repose	465.5 M³ (609 YD³)
Discharge Height @ 22°	6.76 M (22'-2")
Stockpile Capacity @ 22° & 37° Angle of Repose	570 M³ (745 YD³)
Discharge Height @ 24°	7.19 M (23'-7")
Stockpile Capacity @ 24° & 37° Angle of Repose	686 M³ (697 YD³)



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MAIN CONVEYOR

- Heavy duty head and tail drums.
- Varied angle roller sets.
- Impact bars on tail section.
- Hydraulic folding head section.
- Full side skirting.

POWER UNIT & HYDRAULICS

T3 Engine

Engine Type and Power Rating	CAT 4.4 LRC - 74KW
RPM	2400 RPM MAX
Crankshaft Pump	51cc - 20cc Tandem
PTO Pump	None

T4F Engine

Engine Type and Power Rating	CAT 2.8 TIER 4 STAGE V - 55KW
RPM	2400 RPM MAX
Crankshaft Pump	51cc - 20cc Tandem
PTO Pump	None

Stage V Engine

Engine Type and Power Rating	CAT 2.8 TIER 4 STAGE V - 55KW
RPM	2400 RPM MAX
Crankshaft Pump	51cc - 20cc Tandem
PTO Pump	None

Tank Capacities

Diesel Tank Capacity	232 LT (61 US GALLON)
Hydraulic Tank Capacity	425 LT (112 US GALLON)



TRACKS

Shoe Width (mm)	400
Sprocket Centre (mm)	2909
Speed (KM/H) (Low)	1.5
Speed (KM/H) (High) / Or Single Speed	2.7



OPTIONS

- Dual Power (Electric/Hydraulic/Diesel/Hydraulic)
- Heavy Duty 4 Ply Belt
- Chevron Belt C25
- Feedboot liners
- Cordless Remote Control Tracks

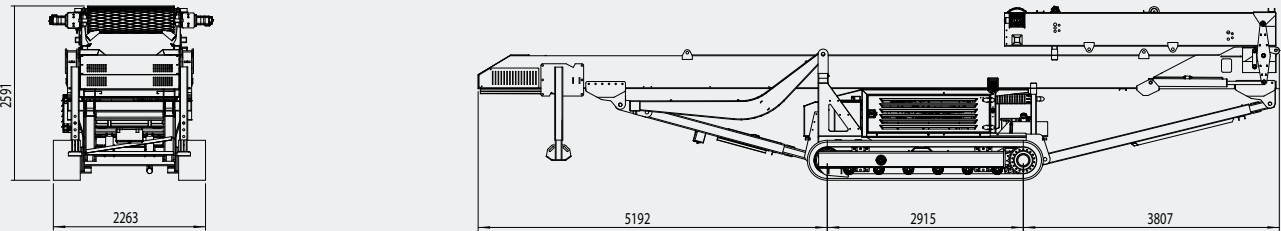
- Under Guarding Covers
- Basket guards
- Manual Jacking Leg System
- Anti Roll Back Flaps

TC50 ORGANICS

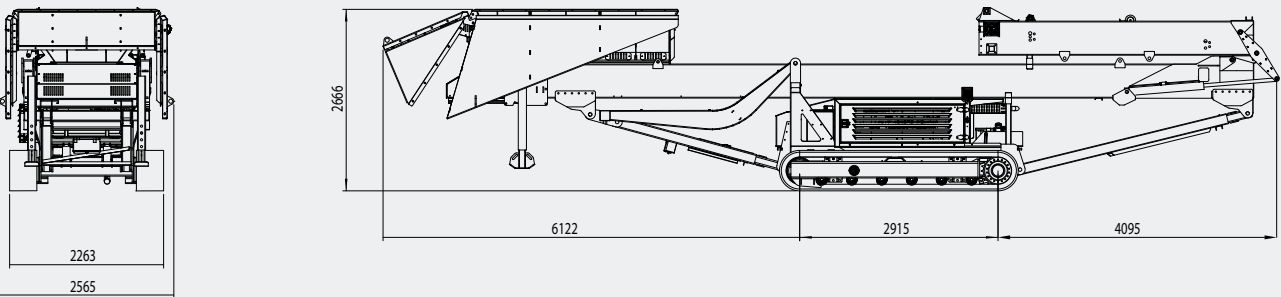
ELECTRIC OPTION AVAILABLE 

TRANSPORT

Transport Container

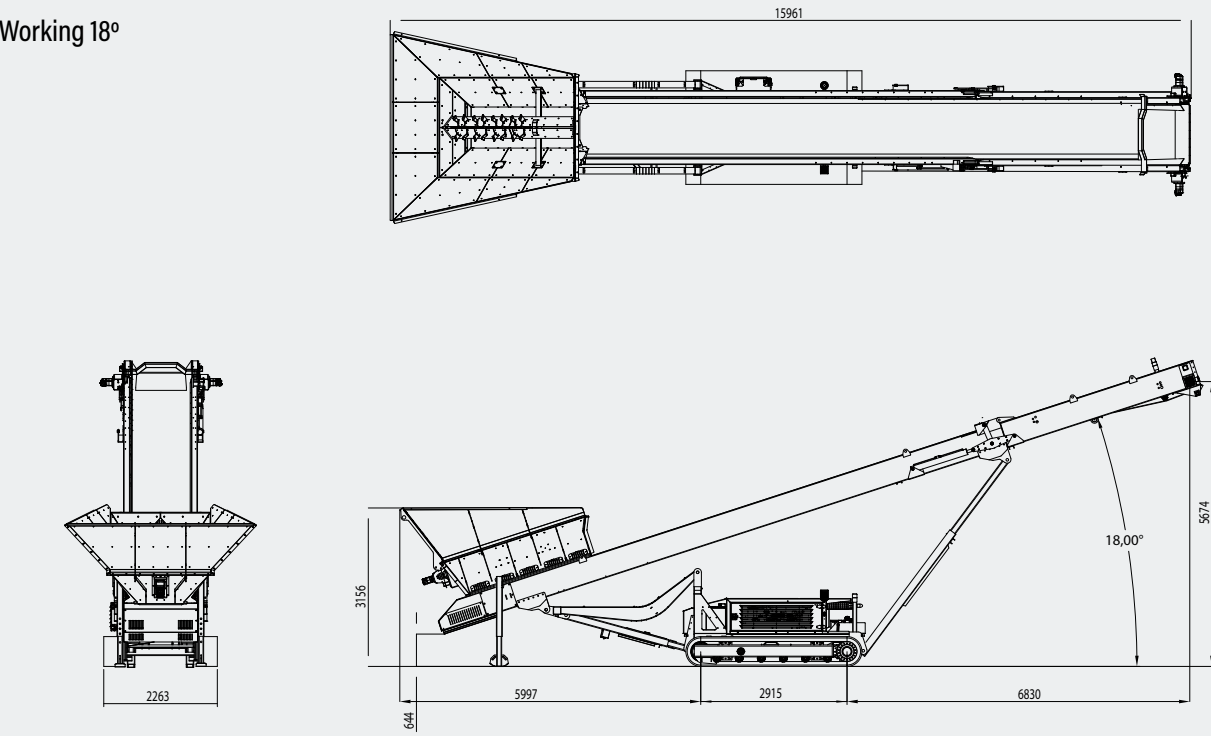


Transport Road

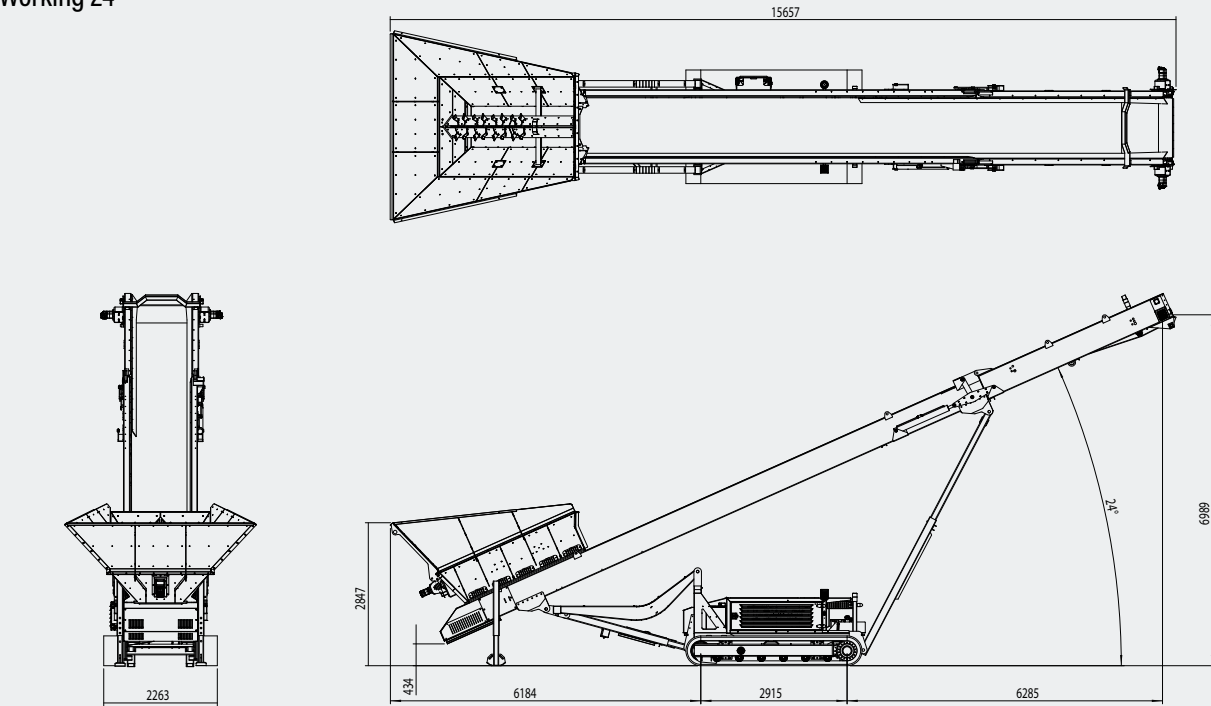


WORKING

Working 18°



Working 24°





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