

TECHNICAL DATA SHEET



TC 80

TRACKED CONVEYOR



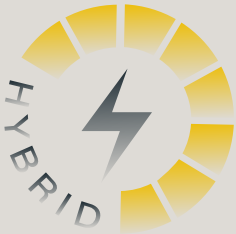
TC 80 TRACKED CONVEYOR

OVERVIEW

Total Weight	16,750kg (36,927bs)
Transport	Length 11.88m (38' 11")
	Height 2.88m (9' 5")
	Width 2.25m (7' 4")
Working @ 24o	Length 21.4m (70' 3")
	Height 10.23m (33' 7")
	Width 2.25m (7' 4")
Power Unit	Tier 3: Deutz D2011 L04I 36.4kW (48hp) or, Tier 4F: Deutz TD 2.9 L04 45kW (60hp) or, Stage V: Deutz TD 2.9 L4 45kW (60hp)

FEATURES & BENEFITS

- High capacity up to 500tph (551 US tph).
- Maximum feed size up to 150mm (6").
- Eliminates the need for wheeled loaders to create stockpiles - reduces labour and maintenance costs.
- Eliminates the need for handling material multiple times - reduces labour and maintenance costs.
- Improved material quality due to reduced compaction, degradation, segregation and contamination.
- Can accept loads from multiple sources.
- Multiple hopper options available depending on required capacities and operators loading methods or application.
- Rapid set up time and manoeuvrability around site.
- Reduced fuel consumption due to reduced reliance on wheeled loaders.
- Reduced wear on wheeled loaders where a conveyor is utilised.
- Hydraulic folding head section.
- Tensioned polyurethane belt cleaner.
- Hydraulic feed in height adjustment.
- Hydraulic fold over for transport.
- Rosta scraper.
- 40 degree rollers.
- Variable speed conveyor via engine speed.
- Feedboot with removable 6mm steel wear liners.



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FEEDBOOT	
Standard Feedboot Capacity:	0.6 m³ (0.8yd³)
Feed in Width:	1300mm (4' 3")
Extended Feedboot Capacity:	1.6m³ (2.1yd³)
Extended Feed in Width:	1850mm (6' 1")
Standard Min Feed Height @24°:	1336mm (4' 6")
Extended Min Feed Height @24°:	1634mm (5' 4")
TRACKS	
Shoe Width:	400mm (1' 4")
Sprocket Centre:	4000mm (13' 1")
Gradability:	30°
Speed:	0.9km/h
Speed High:	1.6km/h

DISCHARGE CONVEYOR	
Width:	1050mm (42")
Belt Centres:	22.8m (74' 10")
Belt Type:	Plain
Belt Spec:	EP400 3 4+2
Drive Drum Dia:	286mm (11.3")
Tail Drum Dia:	270mm (10.6")
Max Belt Speed:	136m/m
Motor Size:	800cc
Operating Angle:	5° - 25°
Discharge Height @18°:	8.34m (27' 4")
Stockpile Capacity @18° & 37° Angle of Repose:	1070m3 (1399 Cu.Yd)
Discharge Height @28°:	10.41m (34' 1")
Stockpile Capacity @28° & 37° Angle of Repose:	2080m³ (2721 Cu.Yd)
Variable Speed:	Yes via engine speed

POWER UNIT & HYDRAULICS	
Engine (Tier 3):	Deutz D2011 L041
Power Rating:	36.4kW (48hp)
RPM:	2200rpm
Crankshaft Pump:	27/27
Engine (Tier 4F):	Deutz TD 2.9 L04
Power Rating:	45kW (60hp)
RPM:	2200rpm
Crankshaft Pump:	27/27
Engine (Stage V):	Deutz TD 2.9 L4
Power Rating:	45kW (60hp)
RPM:	2200rpm
Crankshaft Pump:	27/27
Diesel Tank Capacity:	200L (53 US GAL)
Hydraulic Tank Capacity:	260L (69 US GAL)

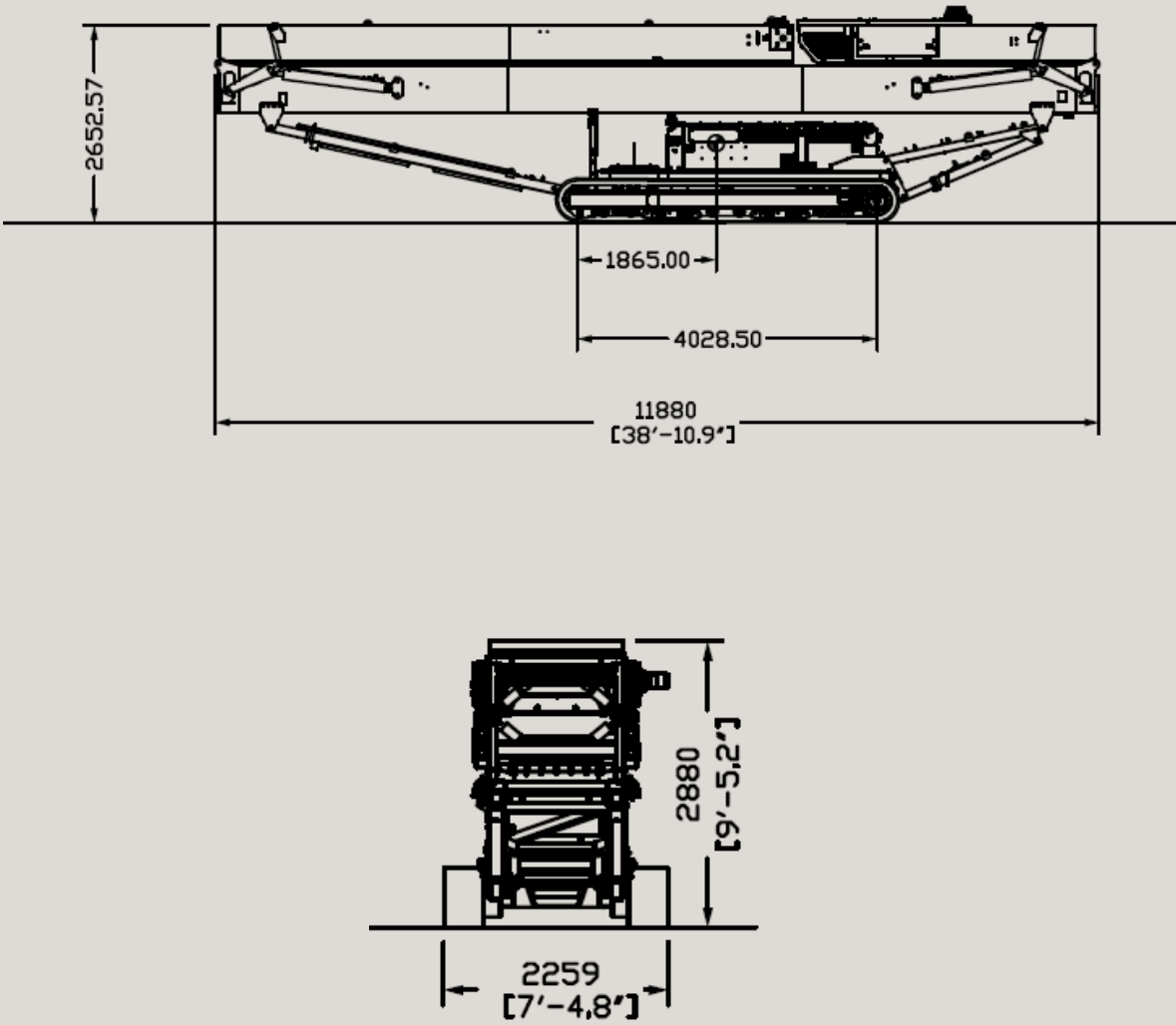
OPTIONS:
6mm AR400 steel wear feedboot liners
20mm rubber wear feedboot liners
Feedboot extension c/w steel wear liners
Feedboot extension c/w 20mm rubber wear liners
Feedboot extension c/w 6mm AR400 steel wear liners
Impact bed at feedboot area
Impact rollers at feedboot area
Large capacity biomass hopper (including landing legs and full length impact bed)
Blade type / primary scraper
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
Conveyor under guard length of mid-section
Conveyor head drum guarding
Conveyor dust covers
Conveyor water dust suppression (spray bar only)
Conveyor full length skirting rubber
Powerunit c/w hydraulic oil, Century 100 - (Recommended for ambient temperatures between +15 to +50°C)
Radio remote control for tracking only
Pull cord emergency stop to control panel side or non-control panel side
Overband magnet option complete with hydraulic kit and support frames
Twin hydraulic drive discharge conveyor
Hybrid complete with electric drive conveyor
Twin electric drive 2 x 11kW motors (400tph max) - hydraulic conveyor drive removed
Anti-rollback flaps



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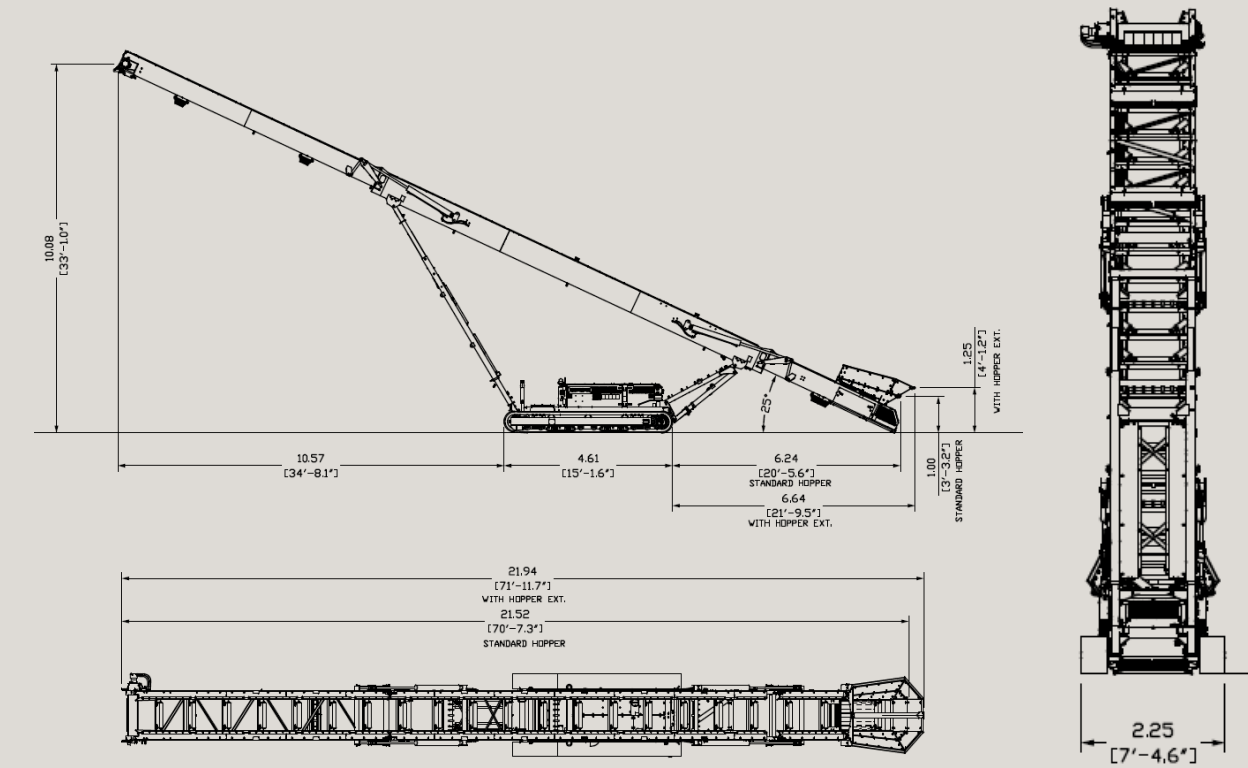


TRANSPORT

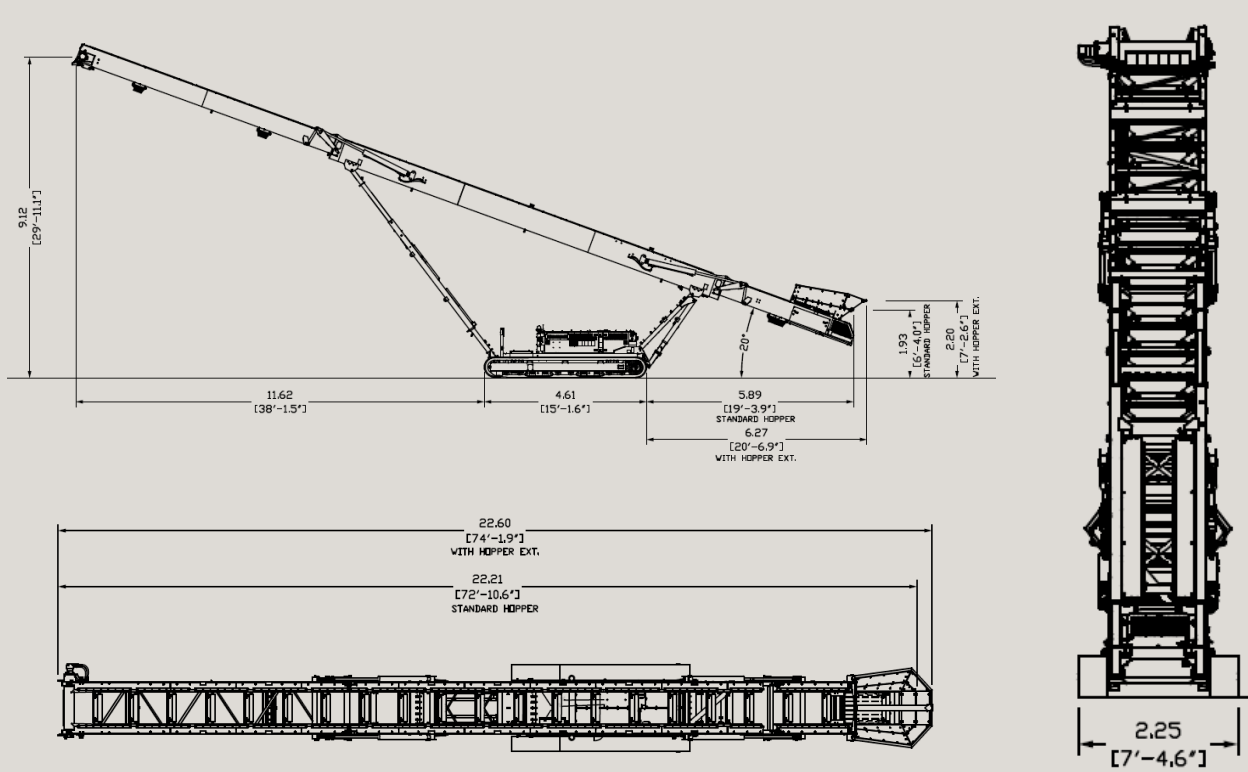


WORKING

(LOW FEED WITH HOPPER EXTENSION)



(HIGH FEED WITH HOPPER EXTENSION)





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WARRANTY

At Marco, we stand behind the quality and craftsmanship of our products. Each Marco product comes with a comprehensive warranty designed to provide you with peace of mind. We are committed to ensuring your satisfaction with Marco products. If you have any questions or concerns regarding your warranty coverage, please don't hesitate to reach out to us.

Thank you for choosing Marco.

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