



HF 50

High Level Feeder



REDUCED COST



SITE OPERATING
EFFICIENCY



ENVIRONMENTAL
CONSIDERATIONS



IMPROVE HEALTH
& SAFETY



PRODUCT
QUALITY

VARIANTS HF 50



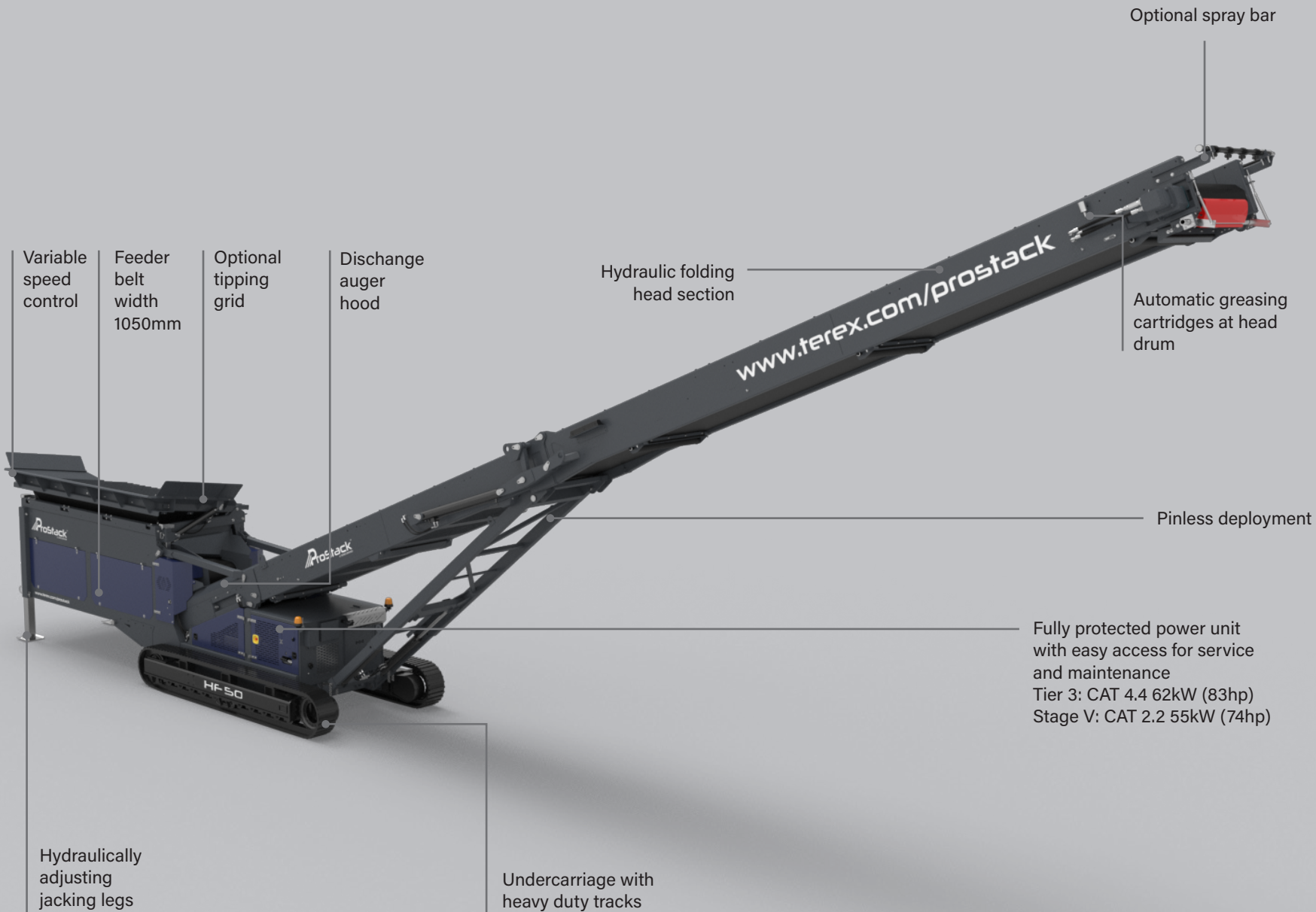
OVERVIEW

Total Weight	12,500kg (27,558bs) - Standard Unit		
Transport	Length	12.16m (39' 11")	
	Height	2.55m (8' 4")	
	Width	2.29m (7' 6")	
Working @ 24°	Length	18.2m (59' 9")	
	Height	7.37m (24' 2")	
	Width	2.29m (7' 6")	
Power Unit	Tier 3: CAT 4.4 62kW (83hp) or, Stage V: CAT 2.2 55kW (74hp)		

NOTE: Dimensions may differ slightly from sales drawings due to differences in angles / reference points.

FEATURES & BENEFITS

- High capacity up to 450tph (496 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 except loads from an excavator, wheeled loader, crusher or screener.
- 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 discharge height adjustment.
- Hydraulic fold over for transport.
- Rosta scraper.
- Discharge conveyor head drum bearing automatic greasing.
- External conveyor belt adjustment.
- Engine pre-start delay & siren.
- Emergency stops x 3.



HF 50

HOPPER & GRID		
Grip Opening:	3855mm (12’ 8”) x 1995mm (6’ 7”)	
Target Area (Without Grid):	3468mm (11’ 5”) x 1438mm (4’ 9”)	
Grid Apertures:	108mm (4”)	
Optional Grid Apertures:	100mm (4”), 126mm (5”), 151mm (6”)	
Capacity (Tipping Grid Fitted):	3.8m³ (4.97 Cu.Yd.)	
Capacity (No Tipping Grid Fitted):	4.2m³ (5.5 Cu.Yd.)	
Rear Feed In Height Without Tipping Grid:	2.28m (7’ 6”)	
Rear Feed In Height With Tipping Grid:	2.76m (9’ 1”)	

TRACKS	
Shoe Width:	300mm (1’)
Sprocket Centre:	3434mm (11’ 3”)
Outer Width:	2292mm (7’6”)
Gradability:	39.2°
Speed:	0.8km/h
Speed High:	1.5km/h
Speed High:	63Lpm (Per track)

POWER UNIT & HYDRAULICS	
Engine (Tier 3):	CAT C4.4
Power Rating:	62kW (83hp)
RPM:	2300rpm
Crankshaft Pump:	29/29/19
Engine (Tier 4F):	CAT C2.2
Power Rating:	55kW (74hp)
RPM:	2300rpm
Crankshaft Pump:	29/29/19
Diesel Tank Capacity:	145L (38 US GAL)
Hydraulic Tank Capacity:	300L (79 US GAL)

DISCHARGE CONVEYOR	
Width:	1050mm (42”)
Belt Centres:	15.6m (51’ 2”)
Belt Type:	Plain
Belt Spec:	EP400 3 4+2
Drive Drum Dia:	286mm (11.3”)
Tail Drum Dia:	270mm (10.6”)
Max Belt Speed:	109m/m
Motor Size:	500cc
Operating Angle:	0° - 24°
Discharge Height @18°:	5.9m (19’ 4”)
Stockpile Capacity @18° & 37° Angle of Repose:	290m³ (379 Cu.Yd)
Discharge Height @24°:	7.2m (23’ 8”)
Stockpile Capacity @24° & 37° Angle of Repose:	583m³ (762 Cu.Yd)
Variable Speed:	Yes

FEED CONVEYOR	
Width:	1050mm (42”)
Belt Type:	Plain
Belt Spec:	EP400/3 4+2
Variable Speed:	Yes

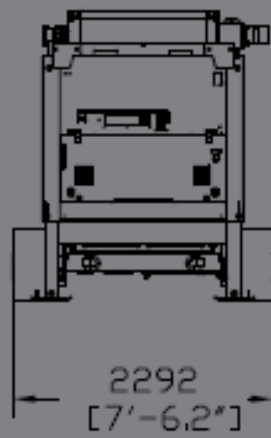
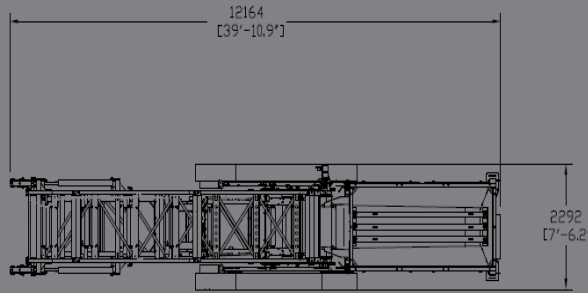
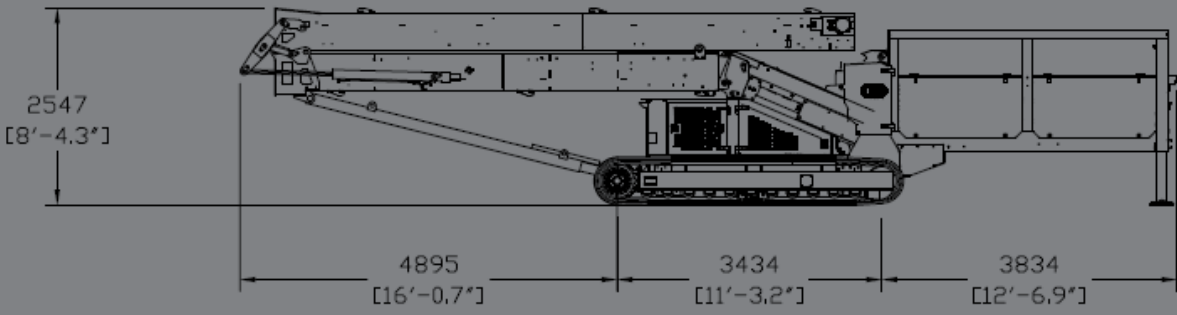
SINGLE DECK VIBRATING GRID	
Type of Grid:	3.1m x 2.45m (10’ 2” x 8’)
Grid:	Single Deck Vibrating
Target Area:	3.84m x 2.1m (12’ 7” x 6’ 11”)
Grid Opening:	3.03m x 2.17m (9’ 11” x 7’ 1”)
Top Deck Type:	Tapered Bofor Bar
Standard Aperture:	90mm tapering to 110m (4”)
Optional Apertures:	110mm - 130mm (5”)
Working Angle:	4° - 14°
Tip Angle:	43°
Rear Feed In Height:	3483mm (11’ 5”) @ 12° / 3560mm (13’ 7”) @ 14°
Weight:	5450kg (12,015lbs)
Speed:	1050rpm
Throw:	4.5mm
G Force:	2.77G
Increase In Transport Height:	+820mm (2’ 8”)

OPTIONS:
Dust hood
Canvas dust covers complete with dust hood on discharge conveyor
Full length skirting rubber along discharge conveyor
High spec head drum scraper on discharge conveyor (plain belt only)
Anti-roll back flaps
Heavy duty plain discharge belt EP500 3 Ply x 5 + 2 covers
Discharge conveyor under guard for mid-section
Spray bar at head drum
Belt weigher
Overband magnet on discharge conveyor complete with hydraulic kit and support frames
Radio remote to start / stop feeder, start / stop discharge conveyor and tracking
Radio remote to raise / lower discharge conveyor & tipping grid.
Pull cord E-Stop running the length of the conveyor
12ft tipping grid 4”, 5” or 6” grid cassette
500mm (20”) hopper extensions with fall break system in hopper
700mm (28”) hopper extensions with fall break system in hopper
Machine prepped hydraulically to tip a grid including remote control (no grid supplied)
Machine prepped hydraulically for SDVG including remote control (no SDVG supplied)
Discharge conveyor chevron belt EP315 3 ply 3 + 1.5 covers
Grade ISO 68 hydraulic oil (recommended for ambient temperatures between +15 and +50 degrees Celsius)
Grease lines to head drum

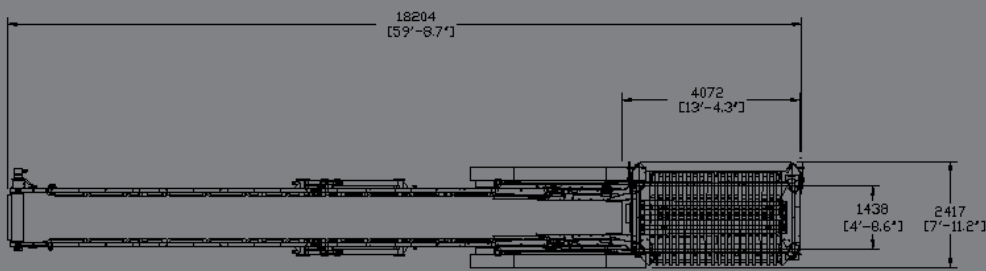
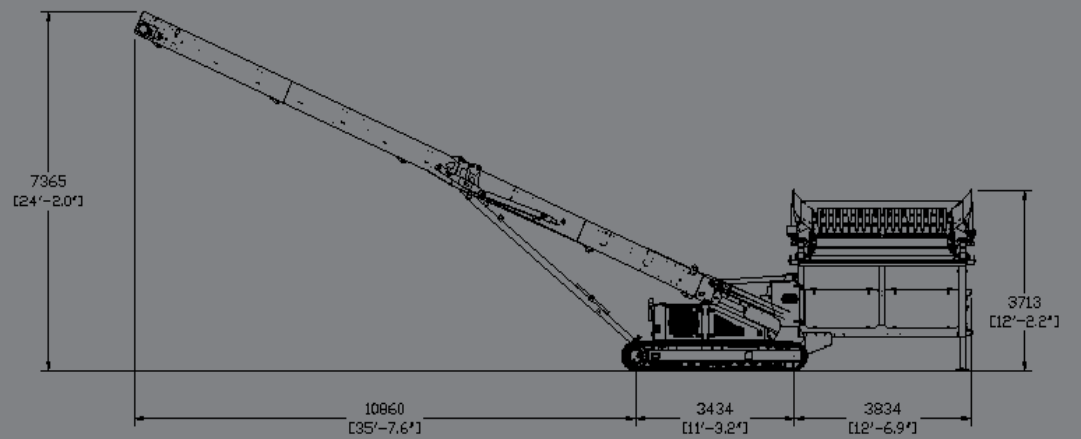


DIMENSIONS HF 50

TRANSPORT



WORKING



FOR FURTHER INFORMATION PLEASE CONTACT:

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