

TF-50H

HIGH LEVEL FEEDER



SPECIFICATION:

Conveyor Length:		15.6m (51' 2")
Belt Width:		1050 mm (42")
Net Engine Power:	Tier 3:	CAT 4.4 - 62kW (83hp)
	Stage V:	CAT 2.2 - 55kW (74hp)
Discharge height:		7.2m (23' 8") @ 24°
Weight:		12,500kg (27,558lbs)

STRONG **HERITAGE**, STRONG **FUTURE**

 **FINLAY**[®]
A TEREX BRAND

TF-50H

HIGH LEVEL FEEDER

FEED CONVEYOR

Belt Width	1050 mm (42")
Belt Type	Plain
Belt Spec	EP 400/3 4+2
Variable Speed (Y/N)	Yes

DISCHARGE CONVEYOR

Width	1050 mm (42")
Belt Centres	15.6m (51' 2")
Belt Type (Plain/Chevron)	Plain
Belt Spec	EP400 3 4+2
Drive Drum Diameter	286mm (11.3")
Tail Drum Diameter	270mm (10.6")
Max Belt Speed of Conveyor	109MPM
Motor Size & type	500CC
Operating Angle	0 - 24°

HOPPER

Grid Opening	3855mm (12' 8") x 1995mm (6' 6.5")
Target Area (without Grid)	3468mm (11' 5") x 1438mm (4'9")
Grid Aperture	4" (108mm)
Optional Apertures	100mm (4"), 126mm (5") & 151mm (6")
Capacity (Tipping grid fitted)	3.8m ³ (4.97 Cu. Yd.)
Capacity (No tipping grid fitted)	4.2 m ³ (5.5 Cu. Yd.)
Feed in height rear without grid	2.28m (7' 6")
Feed in height with Tipping grid	2.76m (9' 1")

VIBRATING GRID

Type of Grid	3.1m x 2.45m (10'2" x 8')
Single Deck Vibrating Grid"	
Target Area	3.84M x 2.1M (12' 7" x 6'11")
Grid Opening	3.03M x2.17M (9'11" x 7' 1")
Top Deck Type	Tapered Bofur Bar
Standard Aperture	90mm tapering to 110mm (4")
Optional Apertures	110mm tapering to 130mm (5")
Bottom Deck Type	N/A
Standard Mesh Aperture	N/A
Working Angle	4°-14°
Tip Angle	43°
Feed in height rear with grid : 3560mm (13'7") @14°	3483mm (11'5") @ 12° -
Weight (kg)	5450 kg
Speed (rpm)	1050
Throw (mm)	4.5
G Force (ms-2)	2.77
Increase in Transport Height	+820mm (2' 8")

		Stockpile Capacity @ 37° Angle of Repose
Conveyor Angle (°)	Discharge Height	Conical
0°	2m (6' 5")	4m ³ (6yd ³)
14°	5m (16'5")	168m ³ (220yd ³)
16°	5.4m (17'10")	230m ³ (302yd ³)
18°	5.9m (19'4")	290m ³ (379yd ³)
20°	6.4m (19'3")	379m ³ (495yd ³)
22°	6.77m (22'3")	461m ³ (603yd ³)
24°	7.2m (23' 8")	583m ³ (762yd ³)

TANK CAPACITIES

Diesel Tank Capacity	145 L
Hydraulic Tank Capacity (T3)	300L
Hydraulic Tank Capacity (T4)	300L

TRACKS

Shoe Width (mm)	300mm (1' 0")
Sprocket Centre (mm)	3434mm (11' 3.2")
Outer Width (mm)	2292mm (7' 6.2")
Gradability (°)	39.2
Speed (KM/H) (Low)	0.8
Speed (KM/H) (High) / Or Single Speed	1.5
Track Flow (LPM @ 95% eff)	63LPM (per track)

ENGINE

T3 Engine

Engine Type and Power Rating	CAT 4.4 - 62kW (83hp)
RPM	2300rpm
Crankshaft Pump	Triple pump 29/29/19
PTO Pump	N/A

Stage V Engine

Engine Type and Power Rating	CAT 2.2 - 55kW (74hp)
RPM	2300rpm
Crankshaft Pump	Triple pump 29/29/19
PTO Pump	N/A

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GENERAL MACHINE FEATURES

Pinless Deployment
Discharge Head Drum Bearing Automatic Greasing Cartridge
External Conveyor Belt Adjustment
Engine Prestart Delay & Siren
Emergency Stops x 3

OPTIONAL EXTRAS

12ft Tipping Grid option 5" Grid Cassette
12ft Tipping Grid option 6" Grid Cassette
Integrated Fall break system bolted into hopper
12ft 1-Deck vibrating grid c/w radio control tipping bofor grid
100mm (4") top deck
Hopper upgraded to 500mm (20") extension 6.8m³ (8.9yds³)
C/W Integrated Fall Break System bolted into Hopper.
Hopper upgraded to 700mm (28") extension 7.8m³ (10.2yds³)
C/W Integrated Fall Break System bolted into Hopper.
Machine prepared hydraulically to tip a standard grid. Includes
Remote Control. NO GRID
Machine prepared hydraulically for SDVG option. Includes Hyd
flow control for discharge conv & Remote Control. NO Vibrating
Grid
Anti-Roll Back Flaps
Conveyor Fitted With Chevron Belt EP315/3 Ply x 3+1.5 Covers
C/W Beater Roller
Conveyor Fitted With Heavy Duty Plain Belt EP500 3 Ply x 5+2
Covers
High Spec Scraper Discharge Conveyor at Head Drum (only with
Plain Belt)
Discharge Conveyor Underguard Length of Mid-Section
Pull Cord E-Stop Running Length Of Conveyor
Dust Hood
Canvas Dust Covers complete with Anti-Roll Back Flaps on Dis-
charge Conveyor
Spray Bar at Head Drum on Discharge Conveyor
Full Length skirting rubber along Discharge Conveyor
Belt Weigher
Low Level Grease Lines to Head Drum
Overband Magnet on Discharge Conveyor with Hydraulic Kit and
Support Frames
Radio Remote to Stop / Start Feed Conveyor and Tracking
Radio Remote to Stop / Start Feed Conveyor, Raise / Lower Dis-
charge Conveyor and Tip Grid and Tracking
ISO 68 Hydraulic Oil - (Recommended For Ambient Tempera-
tures Between 15 - 50°)
Telemetry System c/w 3 years data subscription (Belt Weigher
Option recommended)(Unavailable for Tier 3)
Special paint colour (if different from above). RAL must be speci-
fied on order

BENEFITS

Can Accept loads from Excavator, Wheel loader, Crusher or
Screener
Reduces wear and tear on loaders by lower feed in height
Eliminates the need for double handling of material, reducing
labour and maintenance costs
Stockpiling capacity of 450TPH
Variable speed belt feeder to ensure regulated and constant
transfer of material from hopper to discharge conveyor, ideal for
blending applications.
Improved material quality reduced compaction, degradation,
segregation and contamination
Various hopper options and capacities depending on operators
loading method or application.
Rapid set up time and manouverability around site

1 FEED CONVEYOR

Belt Width: 1050 mm (42")

Belt Type: Plain

Belt Spec: EP 400/3 4+2

2 UNDERCARRIAGE

Belt Width: 300mm (1' 0")

Sprocket Centres: 3434mm (11' 3.2")

Gradeability: 39.2°

3 STOCKPILE CAPACITY

Maximum conical stockpile capacity based on 37° angle of repose: 2500 tonnes (2755 US ton).

4 DISCHARGE CONVEYOR

Conveyor length: 15.6m (51' 2")

Belt width: 1050mm (42")

Drive Drum Diameter: 286mm (11.3")

Tail Drum Diameter: 270mm (10.6")



TF-50H

HIGH LEVEL FEEDER

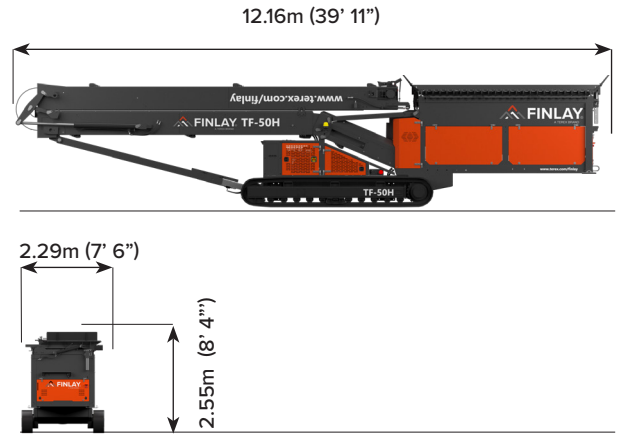
TRANSPORT DIMENSIONS

Length	12.16m (39' 11")
Width	2.29m (7' 6")
Height	2.55m (8' 4")

WORKING DIMENSIONS @24°

Length	18.2m (59' 8.7")
Width	2.29m (7' 6")
Height	7.37m (24' 2")

TRANSPORT DIMENSIONS



WORKING DIMENSION



MACHINE WEIGHT: 12,500kg (27,558lbs)



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