

 **TEREX** | FINLAY

# TF-50H HIGH LEVEL FEEDER



**TF-50H**

## TF-50H

The Terex® Finlay TF-50H high level feeder has been designed to maximize productivity and improve efficiency by reducing double handling and on site operational costs in a wide range of applications and feed material types.

The large hopper/feeder has a capacity of 4.2m<sup>3</sup> (5.5yd<sup>3</sup>) and can be fed directly from excavators, wheel loaders and auxiliary machines. For crushing and screening applications the machine can be used for a 'metered or controlled' feed of material.

The machine can also be used to feed auxiliary equipment, connect to additional conveyors for transferring materials and to directly load / unload ships, trucks and rail wagons.

### STANDARD FEATURES

#### ENGINE:

Tier 3 / Stage 3A Caterpillar C4.4 - 83kW (111hp)  
Stage V: Caterpillar C2.2 55kW (74hp) @2300rpm

Hydraulic Oil cooler

#### FEEDER/HOPPER:

Hydraulic adjustable jacking legs mounted under hopper side to support hopper weight

1050mm (42") EP400 3ply X 4+2 conveyor belt , Variable Speed Control

Poly Blade Spring mounted Head Scraper on Feed Conveyor Drive Drum

#### DISCHARGE CONVEYOR:

15.6 metre (51'2") Drum Centres

1050mm (42") EP400/3 Ply x 4+2 Covers

Hydraulically Raised & Lowered Discharge Conveyor

Hydraulic Fold Over for Transport

Poly Blade Spring mounted Head Scraper on Discharge Conveyor Drive Drum

#### CHASSIS:

Undercarriage with Heavy Duty Tracks (3400mm Centres, 300mm wide Shoe).

#### CLIMATE SPEC:

Hydraulic oil, ISO 46 - (Recommended for ambient temperatures between -5 to +30°C)

#### ELECTRICAL:

Emergency stops

Hand Held Track Control Set with Connection Lead

#### GENERAL:

Safety guards in compliance with machinery directive

Discharge conveyor head drum bearing gas cartridge automatic greasing

Low Level Greasing for Tail Drum

### FEATURES:

- ▶ The pinless deployment of the discharge conveyor creates a safer working environment and enables rapid on site set up and tear down.
- ▶ Hydraulic variable speed control of the feeder ensures efficient transfer from the hopper to the discharge conveyor.
- ▶ The machine features a 15.6m (51' 2") discharge conveyor that has the capacity to transfer up to 450tph (US 495tph) of material.
- ▶ Maximum stockpile capacity based on 37° angle of repose: 932 tonnes (1027 US tonnes).

#### DISCHARGE CONVEYOR:

- ▶ Conveyor Length: 15.6m (51' 2")
- ▶ Belt Width: 1050mm (42")
- ▶ Optimum working angle: 18°
- ▶ Optimum discharge height: 7.2m (23' 8")
- ▶ Stockpile capacity at optimum working angle based on 37° angle of repose: 290m<sup>3</sup> (379yd<sup>3</sup>)
- ▶ Max. working angle: 24°
- ▶ Max. discharge height: 7.2m (23' 8")
- ▶ Max Stockpile capacity based on 37° angle of repose: 583m<sup>3</sup> (762yd<sup>3</sup>)
- ▶ Hydraulic discharge height adjustment
- ▶ Optimum working angle: 18°



OPTIONAL SPRAY BAR

FOLDING HEAD SECTION

PINLESS DEPLOYMENT

POWERUNIT:

- ▶ Tier 3: Caterpillar C4.4 62kW(83hp) @2300rpm
- ▶ Stage V: Caterpillar C2.2 55kW (74hp) @2300rpm

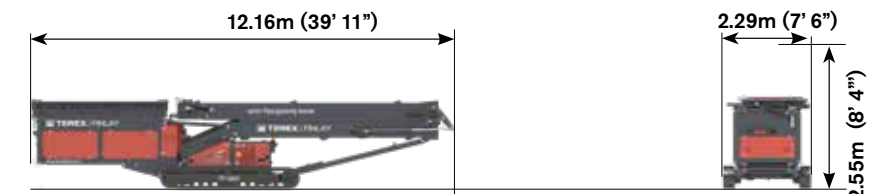
UNDERCARRIAGE:

- ▶ Undercarriage with heavy duty tracks. 3400mm centres, 300mm shoe

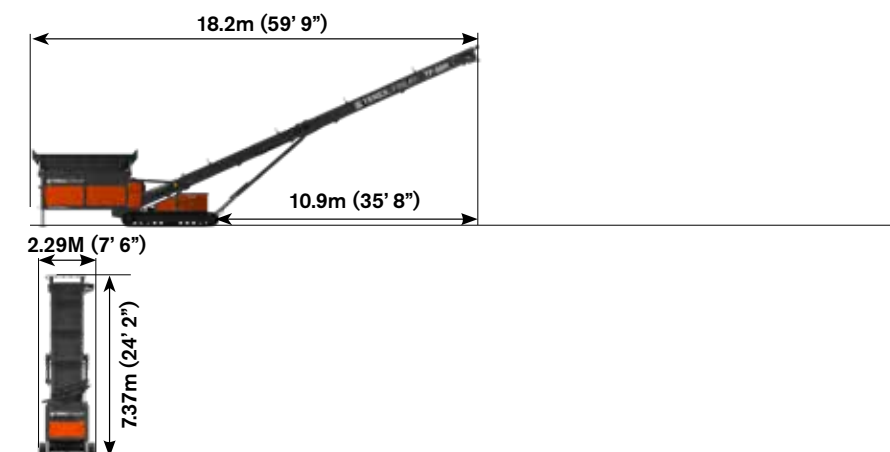
#### FEEDER/CONVEYOR:

- ▶ Capacity (No Grid): 4.2 m<sup>3</sup> (5.5yds<sup>3</sup>)
- ▶ Feed height (No Grid): 2.28m (7' 6")
- ▶ Feed in width (No Grid): 3.47m (11' 5")
- ▶ Drive: hydraulic variable speed drive via high torque gearbox
- ▶ Hydraulic adjustable jacking legs mounted under hopper side to support weight

### TRANSPORT DIMENSIONS



### WORKING DIMENSIONS



### WEIGHT

12,500kg (27,557lbs)



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## FLEET MANAGEMENT SYSTEM



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