



TEREX® | FINLAY

TRACKED MOBILE CONE CRUSHER



 **DUALPOWER** 



C-1540 DUALPOWER
  

WORKS FOR YOU.™

C-1540 DUAL POWER

The dual powered Terex Finlay C-1540 cone crusher offers operators the flexibility to power the plant either by mains electric connection or the onboard genset powerpack configuration. Either power option presents operators with significant power, servicing and maintenance cost savings.

This energy efficient and productive machine incorporates the proven Terex® 1000 cone crusher with direct electric drive, automatic tramp relief and hydraulic closed side setting (CSS) adjustment.

The dual powered Terex Finlay C-1540 can be fitted with an optional patented pre-screen module which allows fines materials to bypass prior to being fed to the crushing chamber offering better wear rates in the crushing chamber.

The large hopper/feeder has an automated metal detection and a purge system to protect the cone and reduce downtime by removing metal contaminants via the purge chute.

Additional benefits include, rapid set up time, ease of maintenance, high reduction ratio, high output capacity and advanced electronic control system.

STANDARD FEATURES

Engine:

Tier 2 Equivalent: Scania DC9 257kW (350hp) & IE2 Electrical Motors. Alternator: 330kVA / 264kW

Stage IIIA (Tier 3) Constant Speed: Scania DC9 273kW (365hp) & IE3 Crusher Drive Electrical Motor. Alternator: 330kVA / 264kW (EU only)

Tier 4F / Stage IV: Scania DC9 257kW (350hp) & IE3 Crusher Drive Electrical Motor. Alternator: 330kVA / 264kW

Cone:

Terex 1000 Cone chamber, 1000mm (40") head diameter

Long throw eccentric, medium coarse concave (max feed size 160mm)

Direct cone drive via electric motor

Hopper / Feeder:

Hopper capacity: 5m³ (6.5yd³)

Belt width: 1.05m (42")

Metal detector

Metal contaminants purge system

Wear resistant liner plates

Main Conveyor:

Belt width: 900mm (36")

High spec scraper at head drum

Wear resistant liners at crusher discharge point

Dust Covers

General:

Galvanised catwalk c/w handrail, kick board and access ladders

Heavy duty track unit, sprocket centres 3.8m, pad width 500mm

Hand held track control set with connection lead

Safety guards in compliance to machinery directive

One auxiliary drive

Emergency stops

Piped for dust suppression c/w spray bars

Standard Oils - Recommended for ambient temperatures between -5° to +30°C



Main conveyor

- ▶ Belt Width: 900mm (36")
- ▶ Drive: Twin electric motor / gearbox combination
- ▶ Belt Spec: Plain
- ▶ Working Angle: 21°
- ▶ Discharge Height: 3.3m (10' 10")
- ▶ Impact bars and wear resistant liners at feed point
- ▶ Standard Stockpile capacity: 53.5m³ (70yds³) @ 40°

Pre-screen system (optional)

- ▶ Top deck: 1.83m x 1.22m (6' x 4')
- ▶ The pre-screen module will maximise production through the cone by removing as much fine material as possible before it enters the cone chamber. This will also reduce wear within the cone chamber

Metal Detector

Powerpack

- ▶ Tier 2 Equivalent: Scania DC9 Engine Power: 257kW (350hp) Engine Speed: 1500 rpm
- ▶ Stage IIIA Constant Speed: Scania DC9 Engine Power: 273kW (365hp) Engine Speed: 1500 rpm (EU only)
- ▶ Tier 4F / Stage IV: Scania DC9 Engine Power: 257kW (350hp) Engine Speed: 1500 rpm (1800 rpm USA)

Features:

- ▶ The plant's electrically driven power systems provide significant cost advantages and efficiencies.
- ▶ Superior performance in dusty applications and in high altitude environments.
- ▶ Optional pre-screen module maximises production and reduces wear on the chamber by removing fine material before it enters the cone.
- ▶ Metal detection system on feed belt with 'auto-stop' protects the cone from tramp metal and the purge system removes contaminants from the machine.



Cone chamber

- ▶ Terex 1000mm (40") cone chamber
- ▶ Cone Counter Shaft Speed Range: 900 rpm or 990 rpm (Depending on electric supply)
- ▶ Drive arrangement: Direct electric cone drive

Metal purge chute

Undercarriage

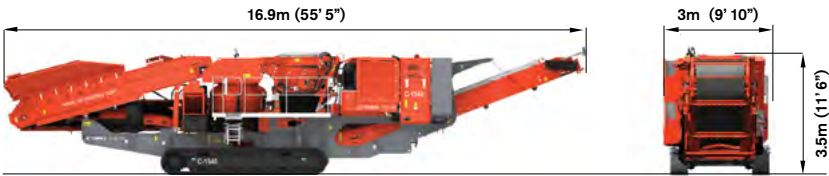
- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 3.80m (12' 6")
- ▶ Tracking Speed: 1.0km/h
- ▶ Gradeability: 25°

Hopper / Feeder

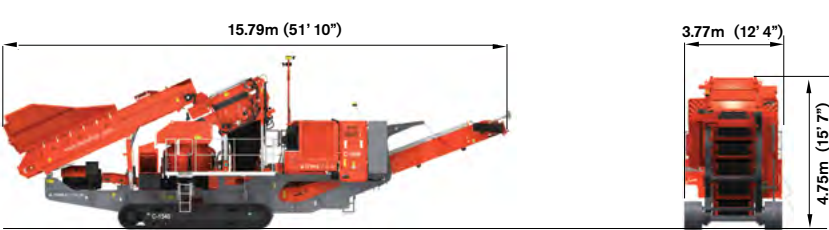
- ▶ Hopper capacity: 5m³ (6.5yd³)
- ▶ Hopper fabricated in 10mm mild steel plate with 10mm wear resistant steel liners at input point
- ▶ Hopper width at rear: 2.45m (8')
- ▶ Belt Spec: Plain
- ▶ Belt Width: 1.05m (42")



Transport Dimensions



Working Dimensions



Machine Weight: * 45,320kg (99,914lbs)
* with optional pre-screen

WORKS FOR YOU.™

Follow us on:



www.terexfinlay.com

Effective January 2015. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex GB Ltd. makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex® is a registered trademark of Terex Corporation in the USA and many other countries. Copyright 2010 Terex GB Ltd.



TEREX® | FINLAY

WORKS FOR YOU.™