

V-2050

IMPACT CRUSHER



V-2050
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V-2050

The Terex® Finlay V-2050 is a high capacity tracked Rock on Rock (ROR) vertical shaft impactor. The high velocity rock on rock crushing process produces a superior high specification product in quarrying and mineral processing industries with excellent overall plant throughput capacity.

This impressive machine is built around the field-proven Canica V-2050 chamber that features a new patent pending hydraulically controlled dual flow system. The heart of the VSI is the 6 port heavy duty closed rotor especially suited to more abrasive applications and minimises wear costs.

STANDARD FEATURES

ENGINE:

Tier 2 (Equivalent):- Caterpillar C18 ACERT 571kW (765hp) (Engines are available to meet EPA emission standards under CFR 1039.625)

VSI:

Terex 2050 VSI with Dual Flow system

Heavy duty 6 port closed rotor

Cascade - rock on rock

Direct cone drive via wet clutch

HOPPER / FEEDER:

Fixed hopper c/w wear resistant liners

Belt width: 1.2m (48")

Metal detector c/w metal contaminants purge system

MAIN CONVEYOR:

Belt width: 1.2m (48")

Dust Covers

CLIMATE SPEC:

Standard oils (Recommended for ambient temperatures between -5 to +30°C)

DUST SUPPRESSION:

Piped for dust suppression c/w spraybars

ELECTRICAL:

Emergency stops

Hand held track control set with connection lead

T-Link Telemetry System fitted c/w 3 years data subscription

GENERAL:

Safety guards in compliance to machinery directive

One auxiliary drive

Main conveyor

- ▶ Belt Width: 1.2m (48")
- ▶ Belt Spec: Plain
- ▶ Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- ▶ Impact bars and wear resistant liners at feed point
- ▶ Stockpile capacity: 69.4m³ (90.8yds³) @ 40°

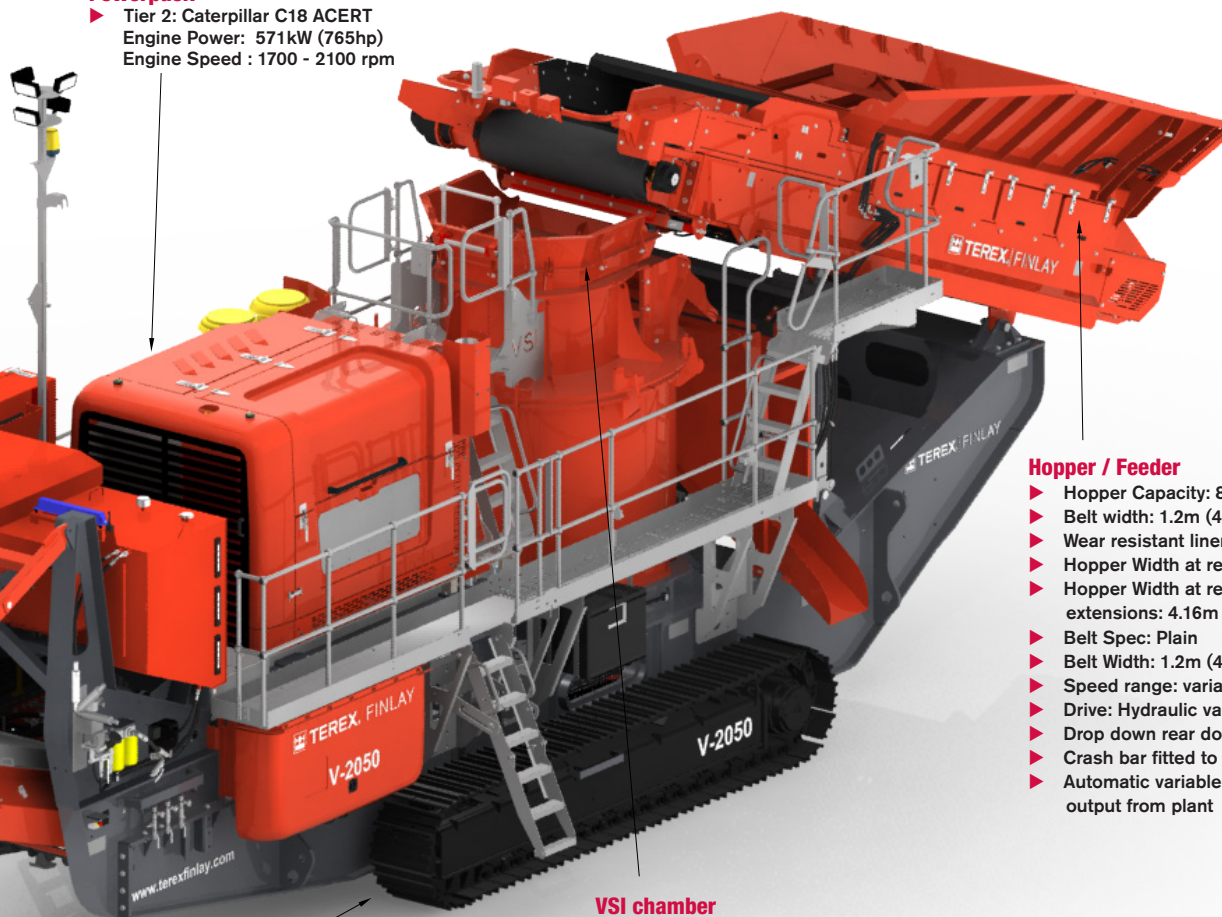
Features:

- ▶ The crushing chamber's rock shelf is easily accessed through the side door, which also helps speed up maintenance checks on the rotor.
- ▶ Metal detection system on feed belt with 'auto-stop' protects the chamber from tramp metal and the purge system removes contaminants from the machine.
- ▶ Fuel efficient direct drive transmission via a clutch.
- ▶ Advanced variable speed control settings for producing a quality aggregate.



Powerpack

- Tier 2: Caterpillar C18 ACERT
- Engine Power: 571kW (765hp)
- Engine Speed : 1700 - 2100 rpm



Hopper / Feeder

- Hopper Capacity: 8m³ (10.4yd³)
- Belt width: 1.2m (48")
- Wear resistant liner plates
- Hopper Width at rear: 2.5m (8' 2")
- Hopper Width at rear with optional hopper extensions: 4.16m (13' 8")
- Belt Spec: Plain
- Belt Width: 1.2m (48")
- Speed range: variable, 0 - 43 m/min (0 - 141 ft/min)
- Drive: Hydraulic variable speed drive via gearbox
- Drop down rear door for auxiliary crusher feed
- Crash bar fitted to reduce impact load on feed conveyor
- Automatic variable speed conveyor ensures maximum output from plant

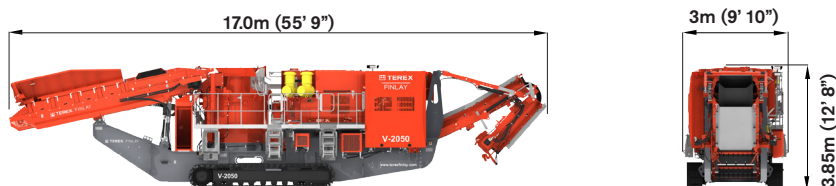
VSI chamber

- Terex Canica 2050 Dual Flow
- Variable speed control settings for producing a quality aggregate
- Drive arrangement: Direct drive via clutch and belts
- Rock on Rock configuration
- Six part rotor
- Hydraulically adjustable choke to regulate rotor throughput
- VSI configuration shaft/rotor speed range:
1340 - 1655 rpm (465 pcd pulley) Standard
1120 - 1390 rpm (390 pcd pulley) Application specific option

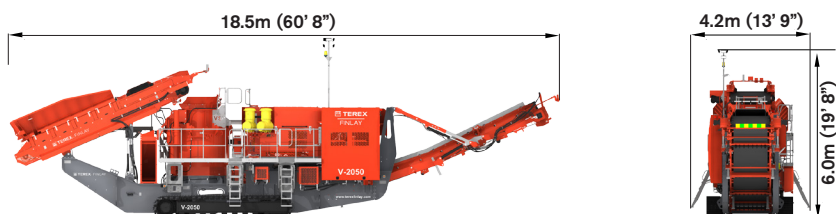
Undercarriage

- Shoe Width: 500mm (20")
- Sprocket Centres: 3.80m (12' 6")
- Tracking Speed: 1.2 km/h
- Gradeability: 25°

Transport Dimensions



Working Dimensions



Machine weight: 45,940kg (101,280lbs)*
*With optional hopper extensions

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