



Ranger C12

Cone Crusher **Advanced Data Sheet**

Details

Manufacturer	Ranger
Model	C12
Category	Cone Crushers

Overview

The Ranger C12 is a compact, track-mounted Cone crusher designed for versatility across construction, landscaping, quarrying, and equipment rental markets. Its ease of use, transportability, and small footprint make it ideal for smaller operations needing powerful, flexible equipment.

Processed Materials

Asphalt, Concrete, Rock

Recommended Use

Best For	Crushing large quantities of rock and concrete to small size spec grade material
Good For	Crushing gravel, aggregate and asphalt
Not Built For	Hi production rates of hundreds of tones per hour. Slag (by-product of smelting ores and recycled metals)
Best Loader	Mid size to large excavator

Specifications

Size In	6.3"
Transport Size (L x W x H)	34'7" X 7'5" X 9'10"
Tank Capacity	111 gallon
Engine Power	231 hp
Ton per hour	Up to 165 tph
Feed Height	9'1"
Discharge Height	9'
Power Source	Diesel Hydraulic
Belt width	36"
Operating Weight	Up to 49,200 lb
Size Out	0.16" - 1.38"
Mobility	Mobile / Tracked
Engine Type	Volvo Penta D5
Working Size (L x W x H)	41'11" X 11'10" X 11'9"

Features

- ✓ Hydraulically folds for transport
- ✓ Ground-level controls
- ✓ Eye sensor to control feed material
- ✓ Automatic overload protection
- ✓ 36" belt width
- ✓ Hydraulic folding sides and rear hopper doors
- ✓ 4.5 cubic yard hopper capacity
- ✓ Direct drive through V-belts
- ✓ Hydraulic adjustment

Add-Ons

Dust suppression
Dust covers on main conveyor
Radio remote
Belt scales
Recirculation closed loop system
Refuelling pump
Feed hopper extensions
Automatic greasing

Frequently Asked Questions

What is the fuel consumption rate for the Ranger C12 Cone Crusher

Approximately 6 gallons per hour

What are some best practices when running a cone crusher?

Here are some best practices to consider:

- [-1-] Operate with a full chamber at constant speed (going from empty to full and back is bad)
 - [-2-] Input material at 4:1 reduction ratio as this is standard. (going higher slows production and wear mantle more)
 - [-3-] Process homogenized input material (fine and course materials should be mixed evenly, don't load different sized particles unevenly)
 - [-4-] Be careful of excessive water and wet material as it can cause issues and clog the chamber.
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