



Vibratory Equipment

VGf 6020



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 **TEREX**.MPS

Cedarapids® Vibratory Equipment

VG F6020 Grizzly Feeder

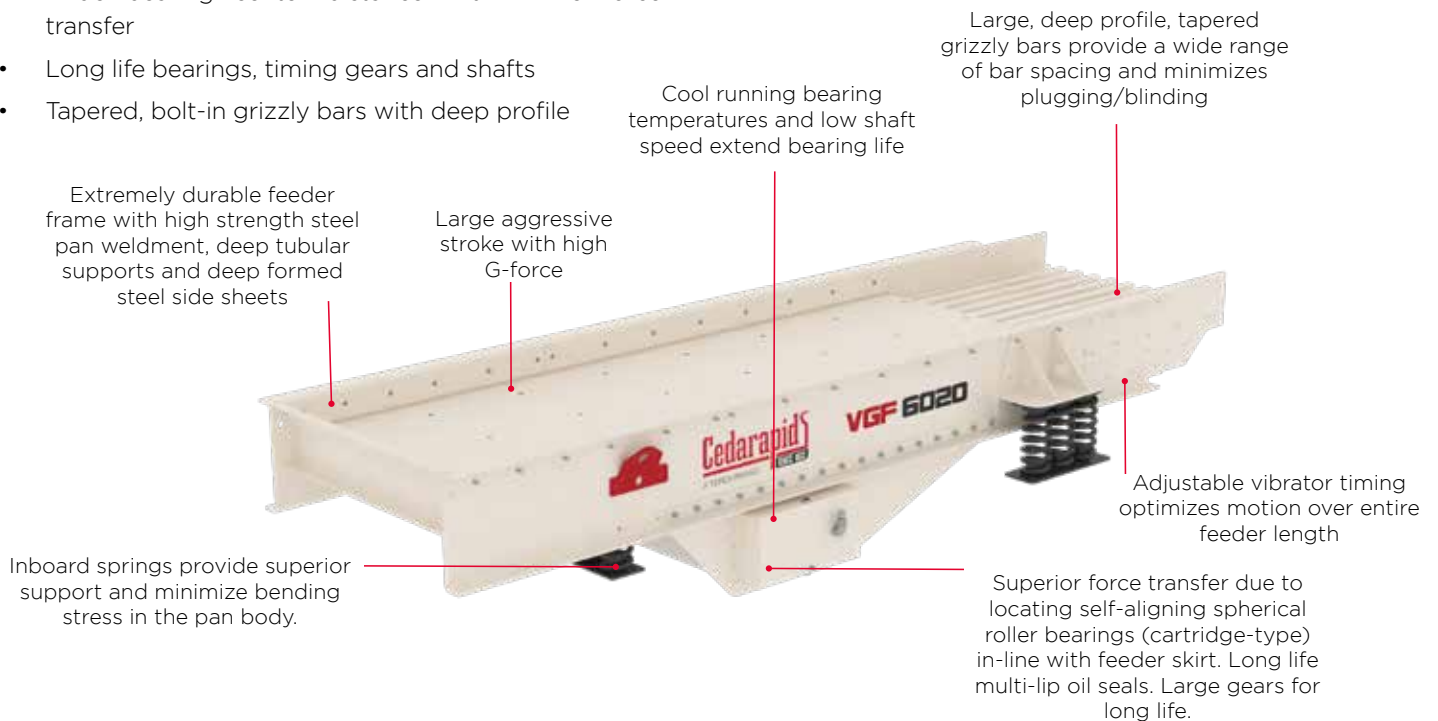
The Cedarapids VGF6020 vibrating grizzly feeder provides high production and long service life in a wide range of rigorous applications. The feeder design allows for better crushing equipment utilization. The large stroke produces high throughput tonnage with superior material separation at the grizzly. You get the most out of your primary crusher by feeding only what needs to be crushed. Overall operating costs are decreased, strengthening your return on investment.

Highlights

- Large stroke high agitation motion results in a high capacity feeder with superior grizzly separation
- High strength to weight ratio maximizes stroke and production
- Deep formed sides and tubular pan support matrix maximize structural strength
- High strength AR steel, replaceable feeder pan liner
- Wide bearing center distance with in-line force transfer
- Long life bearings, timing gears and shafts
- Tapered, bolt-in grizzly bars with deep profile

Standard Features

- Welded steel box
- Bolt-on AR side liners and pan liners
- Tubular reinforced feeder pan
- Outboard front springs and inboard rear spring mounting locations
- Spring supports bolted to feeder box
- Vibrator unit huck-bolted to feeder box
- Unbalanced, counter-rotating vibrator unit shafts
- Spherical self-aligning roller bearings
- Adjustable timing gear concentrates vibration at feed end, centrally or discharge end
- Oil-bath lubrication
- Versatile bolt-together grizzly assembly with adjustable bar spacing and angle tip
- Tapered, heavy-duty, abrasion resistant grizzly bars horizontally mounted





Rugged Construction

The high strength to weight structural design of the Cedarapids VGF6020 handles both portable and stationary applications. High strength steel in the pan and deep side sheets improves the overall strength of the entire feeder weldment. The rugged feeder can handle the most rigorous shot-rock applications generally reserved for special heavy-duty feeders.

Large Stroke Vibrator

A large 9/16" (14.3mm) stroke and uniform motion over the entire feeder length provides for excellent feeding capability. This adds to the overall efficiency of the feeder by stratifying the bed of material to assure superior separation through the grizzly.

To minimize stress within the drive, the spherical roller bearings are aligned with the feeder skirt providing direct force transfer from the vibrator shafts to the feeder frame. The oil flow control keeps bearing temperatures cooler and the large gear circumference increases gear life. All of these design features mean long service life and high efficiency.

Optional Equipment

- Sloped grizzly at 8° decline; one 5' (1524 mm) section
- Sloped set-back grizzly at 8° decline; one 5' (1524 mm) section
- Finger grizzly; two 2'6" (762 mm) sections
- For other grizzly bar profiles consult factory
- Banded V-belt drive with motor sheave
- Motor pivot base (40hp) with HD rubber torsion element and 3/4" thick steel motor base plate

Adjustable Grizzly

The adjustable bolt-together grizzly section provides for optimum "fit" between grizzly side sheets and feeder frame. The rear grizzly bar support is bolted directly into the pan support for added strength and rigidity.

The VGF6020 design is available with a 60" (1524 mm) grizzly section in a flat or sloped arrangement.

The grizzly bars are extra deep with an accentuated taper. This deep profile combined with the taper minimizes plugging and blinding. The bolt-in bars allow for a wider range of bar spacing to better match the crusher setting in any given application.

Portability

The VGF6020 Grizzly Feeder can be found on the Cedarapids CRH5064 HSI Crusher Plant, bringing the benefits of the rugged construction, large stroke vibrator and adjustable grizzly to a portable plant.



CRH5064

Featuring a 60" x 20' VGF Grizzly Feeder

Cedarapids® Vibratory Equipment

VG6020 Grizzly Feeder

Model	Motor Size	Width (mm)	Length (mm)	Pan Length (mm)	Bearings	Weight
VG6020-15	40 hp (30 kW)	60" (1524)	20' (6096)	15' (4572)	100 mm	14,200 lbs (6,441 Kg)

Specifications		
Feeder pan and side liners	1/2"	12 mm
Standard grizzly	5'	1524 mm
Sloped grizzly	5'	1524 mm
Sloped set-back grizzly	5'	1524 mm
Finger grizzly	2 x 2'-6"	2 x 762 mm

Capacity*	TPH	tonnes
60" (1067 mm)	575 - 1150	522 - 1043

*Note: Approximate capacity through grizzly is 5 tph x square foot of grizzly area x nominal opening. Calculations based on 100 lb/ft³ material weight.

Example: 42" feeder, 60" grizzly, 4" nominal opening.
5 tph x 17.5 sq ft grizzly area x 4" nominal opening = 350 tph.

This capacity will vary greatly from shot rock to gravel.

Specifications	100 mm bearing
Speed Range	500 - 800 rpm
Horsepower	40 hp (30kW)

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Failure to follow the appropriate Operator's Manual when using our equipment or failure to act responsibly may result in serious injury or death.

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