

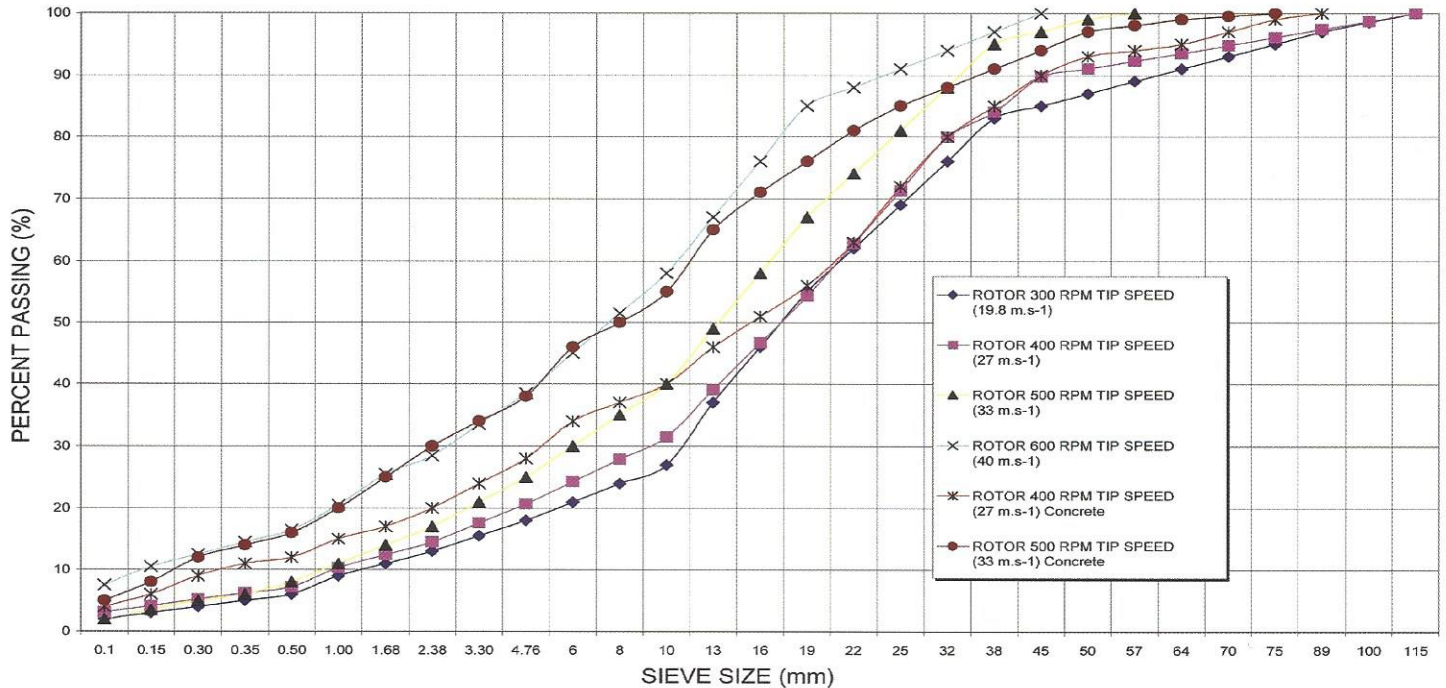
**I-1312 | Complete Crushing, Screening, Washing & Recycling Solutions**



Impact Crusher  
**I-1312**

# Crusher Capacity Charts

I-1312 STANDARD CURVES, FOR APRON SETTINGS OF 2" & 1" RESPECTIVELY, FOR LIMESTONE & RECYCLED CONCRETE.



The above curves show approximate gradation for various sizes of secondary impactors at various speeds. The numbers on each curve are the rotor rpm and tip speed, in m.s<sup>-1</sup>, displayed for each curve. The chart is based on average limestone and apron settings of 2" and 1" respectively. Gradation will vary depending on particle size of feed, rate of feed, hardness of rock and natural breaking characteristics.

| SIEVE SIZE (mm) | ROTOR 300 RPM TIP SPEED (19.8 m.s <sup>-1</sup> ) | ROTOR 400 RPM TIP SPEED (27 m.s <sup>-1</sup> ) | ROTOR 500 RPM TIP SPEED (33 m.s <sup>-1</sup> ) | ROTOR 600 RPM TIP SPEED (40 m.s <sup>-1</sup> ) | ROTOR 400 RPM TIP SPEED (27 m.s <sup>-1</sup> ) Concrete | ROTOR 500 RPM TIP SPEED (33 m.s <sup>-1</sup> ) Concrete |
|-----------------|---------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 0.1             | 2.0                                               | 3.1                                             | 2.0                                             | 7.5                                             | 4.0                                                      | 5.0                                                      |
| 0.15            | 3.0                                               | 4.1                                             | 3.5                                             | 10.5                                            | 6.0                                                      | 8.0                                                      |
| 0.30            | 4.0                                               | 5.2                                             | 5.0                                             | 12.5                                            | 9.0                                                      | 12.0                                                     |
| 0.35            | 5.0                                               | 6.2                                             | 6.0                                             | 14.5                                            | 11.0                                                     | 14.0                                                     |
| 0.50            | 6.0                                               | 7.2                                             | 8.0                                             | 16.5                                            | 12.0                                                     | 16.0                                                     |
| 1.00            | 9.0                                               | 10.3                                            | 11.0                                            | 20.5                                            | 15.0                                                     | 20.0                                                     |
| 1.68            | 11.0                                              | 12.4                                            | 14.0                                            | 25.5                                            | 17.0                                                     | 25.0                                                     |
| 2.38            | 13.0                                              | 14.5                                            | 17.0                                            | 28.5                                            | 20.0                                                     | 30.0                                                     |
| 3.30            | 15.5                                              | 17.6                                            | 21.0                                            | 33.5                                            | 24.0                                                     | 34.0                                                     |
| 4.76            | 18.0                                              | 20.7                                            | 25.0                                            | 38.5                                            | 28.0                                                     | 38.0                                                     |
| 6               | 21.0                                              | 24.3                                            | 30.0                                            | 45.0                                            | 34.0                                                     | 46.0                                                     |
| 8               | 24.0                                              | 27.9                                            | 35.0                                            | 51.5                                            | 37.0                                                     | 50.0                                                     |
| 10              | 27.0                                              | 31.5                                            | 40.0                                            | 58.0                                            | 40.0                                                     | 55.0                                                     |
| 13              | 37.0                                              | 39.1                                            | 49.0                                            | 67.0                                            | 46.0                                                     | 65.0                                                     |
| 16              | 46.0                                              | 46.7                                            | 58.0                                            | 76.0                                            | 51.0                                                     | 71.0                                                     |
| 19              | 55.0                                              | 54.3                                            | 67.0                                            | 85.0                                            | 56.0                                                     | 76.0                                                     |
| 22              | 62.0                                              | 62.8                                            | 74.0                                            | 88.0                                            | 63.0                                                     | 81.0                                                     |
| 25              | 69.0                                              | 71.3                                            | 81.0                                            | 91.0                                            | 72.0                                                     | 85.0                                                     |
| 32              | 76.0                                              | 79.9                                            | 88.0                                            | 94.0                                            | 80.0                                                     | 88.0                                                     |
| 38              | 83.0                                              | 84.0                                            | 95.0                                            | 97.0                                            | 85.0                                                     | 91.0                                                     |
| 45              | 85.0                                              | 89.7                                            | 97.0                                            | 100.0                                           | 90.0                                                     | 94.0                                                     |
| 50              | 87.0                                              | 91.0                                            | 99.0                                            |                                                 | 93.0                                                     | 97.0                                                     |
| 57              | 89.0                                              | 92.3                                            | 100.0                                           |                                                 | 94.0                                                     | 98.0                                                     |
| 64              | 91.0                                              | 93.5                                            |                                                 |                                                 | 95.0                                                     | 99.0                                                     |
| 70              | 93.0                                              | 94.8                                            |                                                 |                                                 | 97.0                                                     | 99.5                                                     |
| 75              | 95.0                                              | 96.1                                            |                                                 |                                                 | 99.0                                                     | 100.0                                                    |
| 89              | 97.0                                              | 97.4                                            |                                                 |                                                 | 100.0                                                    |                                                          |
| 100             | 98.5                                              | 98.7                                            |                                                 |                                                 |                                                          |                                                          |
| 115             | 100.0                                             | 100.0                                           |                                                 |                                                 |                                                          |                                                          |

Capacities may vary depending on type of material, gradation of material, feed method, moisture, bulk density, clay content and fracture characteristics for the material.

Les capacités dépendent du type, de la classification, mode d'alimentation, du taux d'humidité, de la densité de déchargement et de la quantité de la glaise et peuvent donc varier.

Die Produktionsmengen sind abhängig von Aufgabegut, Klassierung, Aufgabearbeit, Feuchtigkeitsgehalt, Schüttdichte, Lehmanteil und können daher schwanken.

Las capacidades dependen de tipo de carga, clasificación, modo de alimentación, grado de humedad, densidad de la carga, cantidad de arcilla y pueden variar.

Le capacità dipendono dal tipo del materiale, classificazione, modo di alimentazione, grado di umidità, densità in mucchio e percentuale di argilla e possono variare.



### **Key Features**

- ▶ High output and reduction ratio
- ▶ Rapid set-up time
- ▶ Easily transported
- ▶ Unequalled durability and simplified maintenance
- ▶ Advanced electronic control system

### **Options include**

- ▶ By-pass conveyor
- ▶ Overband magnet
- ▶ Belt weigher
- ▶ Radio remote control
- ▶ Wheeled bogie
- ▶ Deutz BF6M 2015 CP 300kW (402hp) @2100rpm
- ▶ 4 Bar Rotor

### **Caractéristiques**

- ▶ Production élevée et fort pourcentage de réduction
- ▶ Mise en service rapide
- ▶ Transport facile
- ▶ Longévité opérationnelle et simplicité de maintenance exceptionnelles
- ▶ Système de contrôle performant

### **Options**

- ▶ Convoyeur des stériles
- ▶ Séparateur magnétique
- ▶ Système de pesée
- ▶ Radiocommande
- ▶ Dolly
- ▶ Deutz BF6M 2015 CP 300kW @ 2100rpm
- ▶ Rotor à 4 battoirs

### **Hauptmerkmale**

- ▶ Hoher Durchsatz - Hoher Zerkleinerungsgrad
- ▶ Kurze Rüstzeit
- ▶ Einfacher Transport
- ▶ Lange Standzeiten und einfache Wartung
- ▶ Hochentwickelte elektronische Brechersteuerung

### **Sonderausstattung**

- ▶ Abzugsband für Vorabsiebung
- ▶ Überbandmagnet
- ▶ Bandwaage
- ▶ Funkfernsteuerung
- ▶ Dollyeinheit
- ▶ Deutz BF6M 2015 CP 300kW @ 2100rpm
- ▶ Rotor mit 4 Schlagleisten



- ◀ Standard tracked unit on low loader
- ◀ Version standard sur chenilles transportable sur porte engin
- ◀ Standard Tiefladertransport
- ◀ Unidad de la oruga standard sobre góndola
- ◀ Versione su cingoli (standard) sul semirimorchio



## Características

- ▶ Excelente reducción con los más altos rendimientos
- ▶ Breve tiempo de preparación
- ▶ Fácilmente transportado
- ▶ Larga duración y mantenimiento simple
- ▶ Control electrónico avanzada

## Opcionales incluidos

- ▶ Cinta de precibado con by-pass
- ▶ Separador magnético
- ▶ Dispositivo de pesado en cinta
- ▶ Radiotelemando
- ▶ Sistema bogie de ruedas
- ▶ Deutz BF6M 2015 CP 300kW @ 2100rpm
- ▶ 4 barrones en el rotor

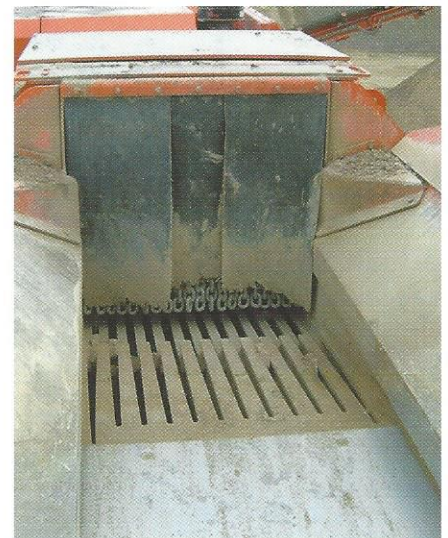


## Caratteristiche principali

- ▶ Eccellente rapporto di riduzione con elevate produzioni
- ▶ Rapidità di set-up
- ▶ Facilità di trasporto
- ▶ Manutenzione minima e semplice
- ▶ Sistema di controllo elettronico ultima generazione

## Opzioni

- ▶ Nastro laterale di by-pass
- ▶ Separatore magnetico a nastro
- ▶ Pesa a nastro
- ▶ Radiocomando
- ▶ Assale bogie
- ▶ Deutz BF6M 2015 CP 300kW @ 2100rpm
- ▶ Rotore a 4 martelli



- ◀ Optional wheeled and tracked bogie arrangement
- ◀ Option : Version chenilles avec dolly amovible
- ◀ Dolly Transportsystem (optional)
- ◀ Opcional el carrillo de ruedas y orugas
- ◀ Versione gommata e su cingoli con assale bogie (optional)

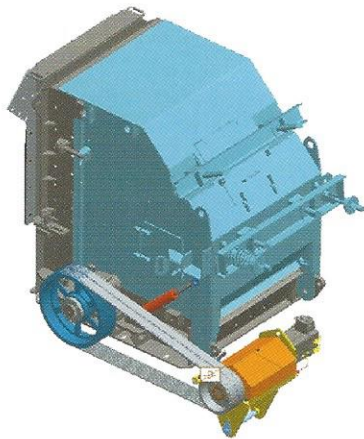
| MANUAL PLANT MODE |                 |
|-------------------|-----------------|
| Crusher Pressure  | 0 BAR           |
| MAGNET            | STOPPED         |
| MAIN CONVEYOR     | STOPPED         |
| SIDE CONVEYOR     | STOPPED         |
| CRUSHER           | STOPPED         |
| FEEDER            | STOPPED         |
| FEEDER SPEED %    |                 |
| 0 50 100          |                 |
| ESC               | RAISE MAIN TAIL |
| LOWER MAIN TAIL   | FEEDER START    |



- ◀ Advanced electronic control system
- ◀ Système de contrôle performant
- ◀ Hochentwickelte elektronische Brechersteuerung
- ◀ Control electrónico avanzada
- ◀ Sistema di controllo elettronico ultima generazione



# Impact Crusher I-1312



## Impact Chamber

- ▲ Cedarapids 5048LP Impact Chamber
- ▲ Hydrostatic Drive
- ▲ Inlet Opening 1100 x 1240mm (43" x 48")
- ▲ Rotor Size 1270 x 1220mm (50" x 48")
- ▲ Hydraulically assisted apron adjustment

## Chambre de concassage

- ▲ Chambre de concassage Cedarapids 5048LP
- ▲ Entraînement hydrostatique
- ▲ Ouverture d'alimentation de 1100 x 1240mm
- ▲ Dimensions du rotor 1270 x 1220mm
- ▲ Réglage hydraulique de l'ouverture

## Brechraum

- ◄ Brechkammer Cedarapids 5048LP
- ◄ Hydraulischer Antrieb
- ◄ Einlauföffnung 1100 x 1240mm
- ◄ Rotorabmessungen 1270 x 1220mm
- ◄ Hydraulische Brechspaltverstellung

## Cámara de trituración

- ◄ Cámara de trituración Cedarapids 5048LP
- ◄ Accionamiento hidráulico-hidroestático
- ◄ Boca del Molino 1100 x 1240mm
- ◄ Dimensiones del rotor 1270 x 1220mm
- ◄ Paladares ajustables hidráulicamente

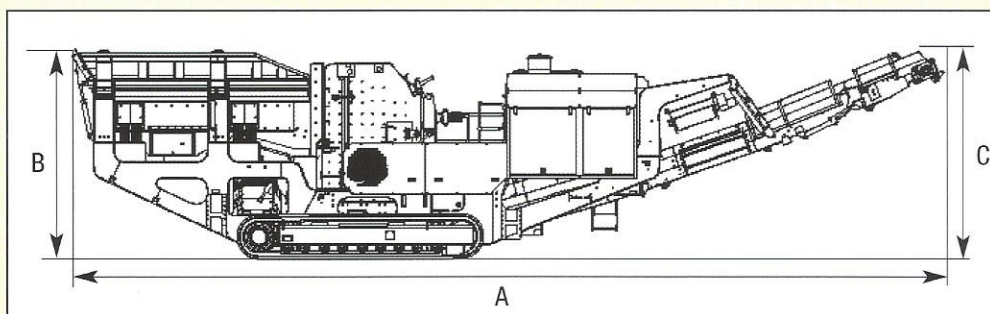
## Camera di frantumazione

- ◄ Camera di frantumazione Cedarapids 5048LP
- ◄ Azionamento idraulico
- ◄ Apertura di alimentazione 1100 x 1240mm
- ◄ Dimensioni rotore 1270 x 1220mm
- ◄ Regolazione idraulica della corazza mobile interna

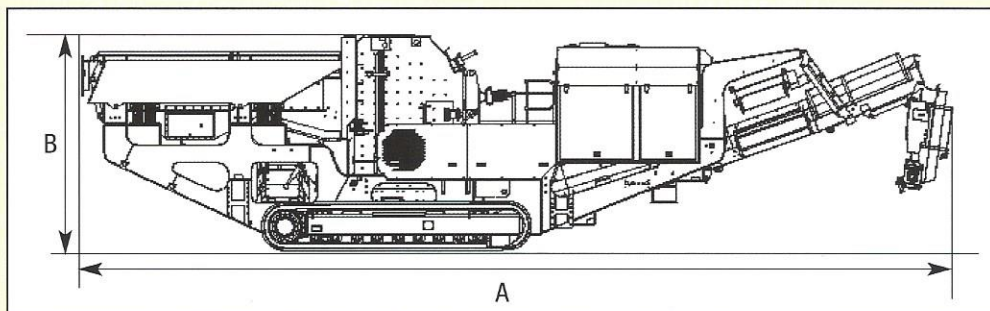


## Technical Specifications

|                   |                                        |
|-------------------|----------------------------------------|
| Hopper Capacity:  | 9m <sup>3</sup> (11.7yd <sup>3</sup> ) |
| Rotor Size:       | Ø 1270 x 1220mm (50" x 48")            |
| Engine Type:      | CAT C13 328kW (440hp)@ 2100rpm         |
| Product Conveyor: | 1000mm (40") Ripstop belt              |
| By-pass Conveyor: | 650mm (26") 3 Ply                      |
| Portability:      | Track Mounted                          |
| Weight:           | 47 tonnes (51.7 US)                    |



I-1312 Impact Crusher in Working Position



I-1312 Impact Crusher in Transport Position

## I-1312 Working Position

- A: 16.2m (53' 2")
- B: 3.80m (12' 7")
- C: 3.65m (12' 0")
- Width: 4.26m (14' 0") with by-pass conveyor

## I-1312 Transport Position

- A: 14.8m (48' 6")
- B: 3.65m (12' 0")
- Width: 2.90m (9' 6")



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All specifications subject to change without prior notification.

Der Hersteller behält sich vor, alle Angaben ohne vorherige Mitteilung zu ändern.

Toute spécifications susceptible d'être changée sans notice préalable.

Todas las especificaciones estan sujetas a cambio sin previo aviso.

Tutte le specifiche sono indicative e passibili di modifiche senza preavviso.

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