



NFJ1175

Tracked Mobile Jaw Crusher

Technical Specification



Fujian South Highway Machinery Co., Ltd. (NFLG)



Product introduction

NFLG NFJ1175 is a high performance and powerful tracked mobile jaw crusher. NFJ1175 ensures optimal yield in many applications due to the integrated NFLG® JW1175 jaw chamber with heavy-duty vibrating grizzly feeder. With the compact size, quick installation, ease of conveyance and maintenance make the NFJ1175 ideal for quarrying, mining, blasting and recycling applications.

The tracked mobile jaw crusher NFJ1175 is mainly used for crushing and processing medium to high hardness and medium to high abrasive materials such as granite, basalt, and gravel. The onboard diesel engine supports track walking and equipment folding, JW series high-performance jaw crusher, and the powerful vibration feeder. Its maximum throughput capacity in rock processing applications reaches 475 tph.




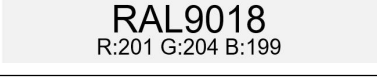
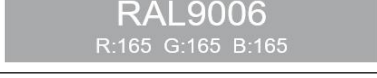
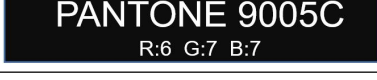





Tracked Mobile Jaw Crusher NFI1175

Version 1.0-2023/6/14

Specification

Weight	Standard	51300kg
	Overband magnet (optional)	1000kg
	By-pass conveyor (optional)	1200kg
Transport Dimensions	Length	14785mm
	Width	2958mm
	Height	3553mm
Working Dimensions	Length	16228mm
	Width (with By-pass conveyor)	4105mm-4907mm
	Height	4596mm
Crusher Type	Single toggle jaw crusher	JW1175
Drive Mode		Diesel engine - Hydrostatic drive
Paint Color		Main frame, auxiliary frame, horn frame and other components
		Handrails, fences, lifting tools and other components
		Telescopic outer pipe, cylinder and other moving parts
		Main device color
		Stairs, treads (galvanized or gray silver paint)
		Motors, pumps, reducers, motors, bearing seats
		Energy saving label
	Other purchased parts	Original color of purchased parts



Functions and Features:

- JW series high performance jaw crusher chamber, specially developed for mining, quarry, construction solid waste recycling
- The whole machine adopts hydraulic folding design, which can realize the fast switching between the working state and the transportation state
- With the function of overload feed back, it can avoid downtime
- Maximum throughput up to 475tph.
- Hydraulic folding receiver hopper with wedge fastening system
- High strength wear resistant feeding system
- Heavy duty vibrating grizzly feeder which the second deck can be fitted with a screen
- Increase the stroke of the swing jaw plate to enhance the crushing capacity
- Fully hydraulic closed side setting adjustment
- Improved reinforced side liners to protect the main frame of jaw chamber
- The main product conveyor discharge height 3500mm
- High-efficiency hydrostatic drive, which can support the reversal of the clearing blockages
- Wireless remote control
- Dust suppression system

Application Scenes:

It is mainly applied to primary crushing and processing of granite, diabase, andesite, basalt and other materials with medium-high hardness and medium-high abrasiveness.



Jaw chamber

Features

- Fully hydraulic closed side setting adjustment
- Bi-directional linkage bracket for even stress distribution
- Strong frame construction, no welding in critical areas
- One piece fixed jaw support
- Wear resistant jaw liner design

Type

Single toggle jaw crusher

Feeding Port Size

1070mm×762mm

Bearing

Self-aligning spherical roller bearings

Closed Side Setting Adjustment

Hydraulic adjustment

Drive Mode

Hydrostatic-Motor drive

Drive Pulley

355mm

Diameter

Jaw Chamber

1220mm

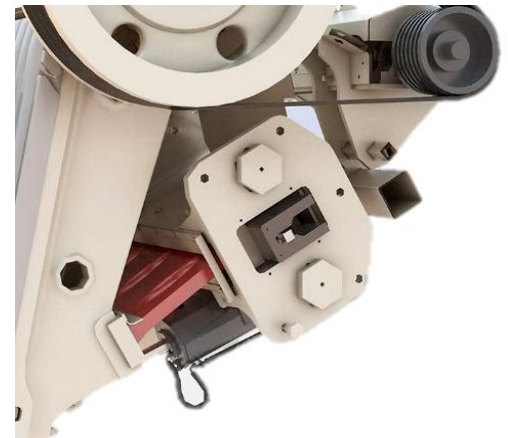
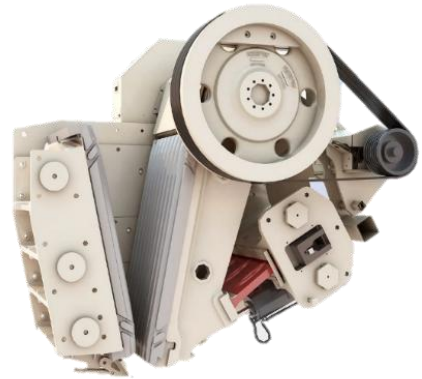
Pulley Diameter

Lubrication

Lubricated by grease

Intelligent Controls

When the crusher is overloaded, the feeder automatically stops, the crusher and conveyor still continue to work. When the load decreases, the feeder automatically restarts.



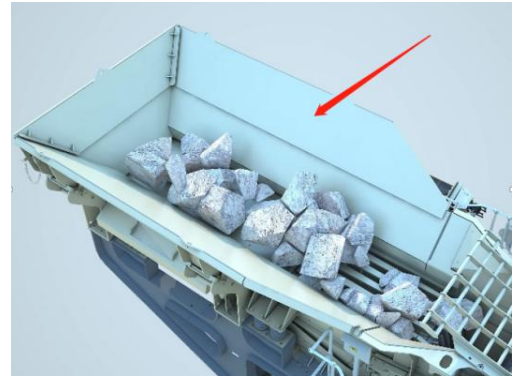
Toggle Optional

Specification	Size	CSS Range	Maximum Discharge Size
Standard Toggle	590mm	75-145mm	120-230mm
Short Toggle	570mm	105-175mm	168-280mm
Long Toggle	610mm	45-115mm	70-180mm



Hopper

Type	Fixed Hopper
Length	4300mm
Width	2780mm
Capacity	9m ³ (Standard)
Feeding Height	4000mm
Material	Wear-resistant steel plates enhance service life
Features	Optional hopper extension plate to expand capacity up to 14m ³ , hydraulic folding technology, easy to operate, fast switching between working and transporting state.



Feeder

Type	Heavy duty vibrating grizzly feeder
Length	4220mm
Width	1050mm
Drive Mode	Hydraulic motors drive
Feeding Speed	450-1000rpm
Vibration Exciter	Two high-strength eccentric casting shafts supported by spherical roller bearings, synchronized transmission through gear meshing to provide the required vibration excitation force, adjustable amplitude.
Top Deck (Grizzly)	Single-step grizzly, Length 1650mm
Grizzly Spacing	75mm (Standard) 50mm (Optional) 100mm (Optional)
Bottom Deck (Mesh)	Metal woven mesh
Screen Size	1978×1012mm
Mesh Size	38mm (Standard)



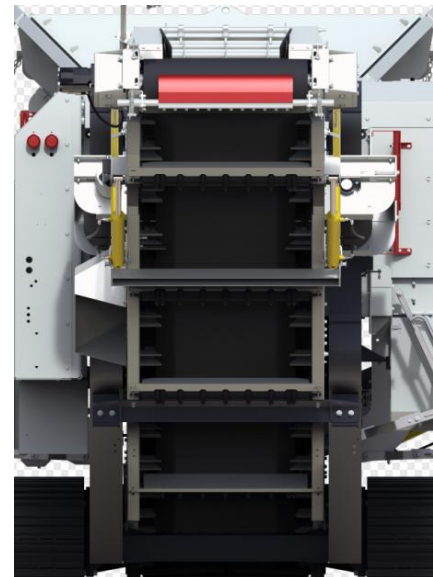
Bypass Chut

Double sided chute to discharge to the main conveyor or by-pass conveyor (if fitted). Constructed from mild steel with a manual tipping gate to guide screened material from the screen to the by-pass conveyor or main conveyor.



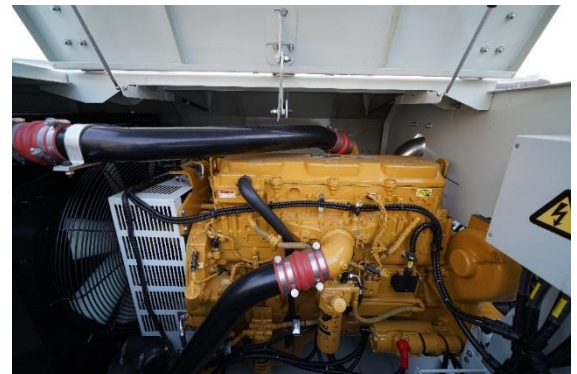
Main Conveyor

Specification	B1000-EP200-3×(8+2) -24m Circular Flat Belt With Tear Resistant
Drive Roller	293mm
Diameter	
Tail Roller	266mm
Diameter	
Roller Center	11600mm
Distance	
Discharge	3500mm
Height	
Stockpile	63m ³
Volume	
Belt Speed	2m/s
Drive Mode	Hydraulic motors drive
Tension	4 Screw adjustment at the tail and the
Device	head drum
Lubrication	Bearings are lubricated by grease



Power Unit and Hydraulic System

Engine	Caterpillar C9.3B Diesel Engine UN ECE R96 stage IIIA
Performance	250 kW (335HP) / 2200rpm
Working Conditions	Standard: -5°C to +40°C Optional: -20°C to +40°C Optional: +10°C to +45°C (Need to change low-temperature ambient oil grease) Note: For use of this equipment in other working environments, please consult NFLG.
Fuel tank	Diesel tank: 430L Hydraulic oil tank: 720L
Hydraulic Pump 1	Gear pump 46 /46 cc/rev Section 1: 46 cc/rev: Feeder Section 2: 46 cc/rev: Main conveyor
Hydraulic Pump 2	Gear pump 33 cc/rev By-pass conveyor/Overband magnet Parts folding/Jaw chamber puller
Hydraulic Pump 3	Gear pump 125/125 cc/rev Jaw chamber
Motor	Jaw chamber: 355 cc/rev Vibrating feeder: 85 cc/rev The main conveyor: 630 cc/rev By-pass conveyor: 500 cc/rev Overband magnet: 200 cc/rev Track : 90cc/rev
Features	Caterpillar diesel engine which is known as strong power, high efficiency and stability, high transmission efficiency, low failure rate





Track Moving Module

Type	Heavy track
Center Distance	3720mm
Width	500mm
Gradient	25° (Maximum)
Speed	1.66km/h (High speed)
Tension Device	Grease tension adjustment



Protection

- All motors, flywheels, pulleys and couplings are covered with wire mesh or metal housing.
- Protective devices designed and manufactured in accordance with CE and ANSI standards.
- Hinged shields mounted to the top, sides and ends of the engine



Maintenance Platform

The platform provides inspection and maintenance space with access to the engine and jaw chamber side.

All platforms are galvanized as standard and constructed from steel floor and steel skirting panels, double row handrails walkway ladders.



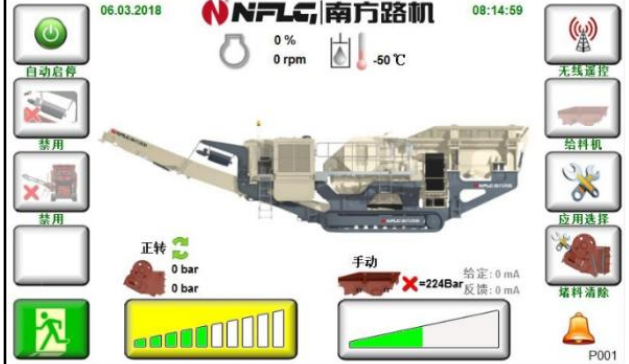
Control

PLC Control Panel

Full system diagnostics and monitoring.

The main functions of the panel control include:

- Automatic sequence start/stop
- Vibrating feeder start/stop
- Vibrating feeder speed control
- Engine speed control
- Turn on/off tracking mode
- Jaw chamber css control



Remote control

Equipped with wired and wireless remote controls to control crawler walking and auxiliary equipment operation

- Control crawler walking
- Control the start and stop of the feeder
- Control the start and stop of the whole machine

Can only be used if permitted by local policies.



Hot/Cold Climate Oils

- Cold climate oils - (recommended for ambient temperatures between -25 ~ +40°C)
- Hot climate oils - (recommended for ambient temperatures between +10 ~ +45°C)



Dust Suppression System

The pipeline with atomizing nozzles are installed above the crusher inlet and outlet, discharge area of the main conveyor, With atomizing nozzles connected to the pump via a line to provide pressurized water to the system.



Frame/Chassis

High-strength steel welded structure ensures equipment stability and easy inspection and maintenance.

**The Bottom Deck (Mesh) Of Vibrating Feeder**

Removable screens mounted on standard rubber dampening mats for use with optional by-pass conveyors

**Re-bar Deflector Plate**

In construction waste application scenarios, it can effectively bend sharp materials such as steel bars to protect the belt conveyor, with adjustable working angle (screw adjustment).

**Jaws type****■ S Teeth Jaws (Standard)**

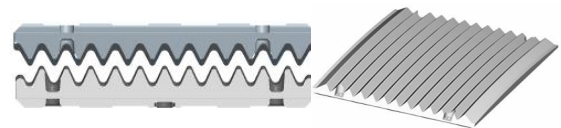
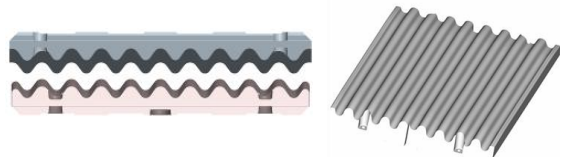
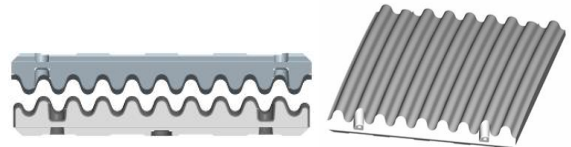
Suitable for rock, pebbles and some recycled material applications. S teeth shape make the contact area increased, which can better "grab" the material and increase the output. It is not suitable for highly abrasive materials.

■ Quarry Teeth Jaws(Optional)

Suitable for the crushing of rocks and pebbles, with long wear life, good balance between working power and extrusion stress, high wear life for materials with strong abrasiveness and high hardness, and moderate production capacity.

■ Solid Waste Recycling Jaws (Optional)

Suitable for scrap and recyclable material requiring smaller discharge openings. Good grip on smooth concrete. Not suitable for highly abrasive or high hardness materials.



Hopper Extensions (Optional)

Type	Hydraulic folding extension hopper with central support and wedge
Length	4600mm
Width	4000mm



By-pass Conveyor (Optional)

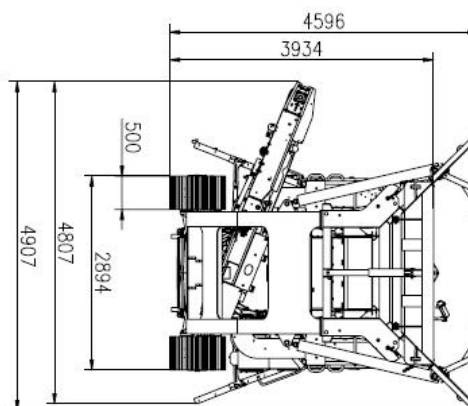
Specification	B650-EP150-3×(5+1.5)-7.5m Circular Flat Belt (Standard) B650-EP150-3×(5+1.5)-11.35m Circular Flat Belt (Extend length)
Roller Center Distance	3225mm (Standard) 5216mm (Extend length)
Drive Roller Diameter	293mm
Tail Drum Diameter	266mm
Discharge Height	2000mm (Standard) 2800mm (Extend length)
Drive Mode	Hydraulic motor drive
Belt speed	Adjustable speed
Features	The head of belt conveyor can be hydraulically folded The baffle rubber can be completely sealed to eliminate material leakage



Overband Magnet (Optional)

Type	Self-discharging permanent magnetic separator
Belt width	800mm
Roller Center Distance	1570mm
Discharge Direction	Right side discharge
Hanging Height (Above the conveyor)	250mm
Drive Mode	Hydraulic motor straightly drive





福建南方路面机械有限公司									
NFU1175I 工作尺寸									
图号		外廓尺寸(m)		标准重量(t)		额定重量(t)		倾侧重量(t)	
NFU1175		16.2*4.8*3.93		51.3		1		1.2	
运输参数								带衬履带时外廓尺寸(m)	
								16.2*4.9*4.6	
标记		处数		分 区		更改文件号		签 字	
设计						标准化			
校对						审定			
审核						批准			
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Technical drawing of the LITTON-84 crane, showing side and top views with dimensions.

Side View Dimensions:

- Overall length: 14785
- Distance from front to main body: 5491
- Distance from front to rear of main body: 4618
- Distance from front to rear of main body (including boom): 4953
- Angle of boom: 25°
- Angle of boom: 22°

Top View Dimensions:

- Overall width: 3571
- Distance from front to rear of main body: 2894
- Distance from front to rear of main body (including boom): 500

Labels:

- LITTON-84
- 000 84488

运输参数	型号	外观尺寸(m)	标称重量(t)	取放器重量(t)	侧输送带重量(t)
	NFJ1175	14.8*3.3.6	51.7	1	1.2

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Introduction to NFLG Mobile Crusher

NFLG introduced the world's most advanced mobile crusher and screen technology in 2010. After decades of research, absorption, application and re-innovation, it has become a leading company in the complete solutions of mine rock and mineral crushing, aggregate processing, pre-crushing of asphalt concrete recycling, and construction waste recycling and crushing.

NFLG's full product line includes: mobile tracked jaw crusher, mobile tracked cone crusher, mobile tracked impact crusher, mobile tracked inclined aggregate screen, mobile tracked inclined heavy-duty screen and tracked mobile horizontal screen. In addition, we also provide a full range of stationary and frame crusher and screen and solutions according to the actual needs of users.

In line with the principle of customer first, supported by decades of industry experience and perfect product series, NFLG provides users with more efficient, economical and energy-saving solutions, minimizes users' purchase costs and use costs, and improves users' return on investment by comprehensively considering the actual production needs of users, the frequency of equipment movement, the power source of the construction site, and the quality of the construction site operators.

NFLG provides not only high-quality products, but also complete pre-sales and after-sales services. The dealers and after-sales service personnel all over the country will be dedicated to serving every aspect of your operation. From the equipment selection, production process, equipment debugging, personnel training, and maintenance in the early stage, to the extension of the service life of the equipment and the reduction of the operating cost of the production line in the later stage, NFLG will make every effort to protect the efficient operation of your production line!