



REQUEST FOR BID  
 Date: 03/23/09  
 Bid #09-0141(A)

RETURN BY OPENING TIME TO:  
 Purchasing Division  
 RM 100 City Hall  
 411 West 1<sup>st</sup> Street  
 Duluth, MN 55802

**Asphalt Paver**

Buyer: Dennis Sears  
 Phone: 218-730-5003  
 Fax: 218-730-5922

**BID OPENING AT 2:00 PM ON Tuesday, April 14, 2009**

Note: All bids must be written, signed, and transmitted in a sealed envelope, plainly marked with the bid number, subject matter, and opening date. The City of Duluth reserves the right to split award where there is substantial savings to the city, waive informalities and to reject any and all bids. Bidder should state in proposal if bid is based on acceptance of total order. Sales tax is not to be included in the unit price. Bidder to state freight charges if, proposal is F.O.B. shipping point, freight not allowed. Low bid will not be the only consideration for award of bid. All pages must be signed or initialed by authorized bidder's representative as indicated at the bottom of the page(s) of the request for bid forms.

RETURN BID IN DUPLICATE WITH DUPLICATE DESCRIPTIVE LITERATURE  
 FOR BID RESULTS, ENCLOSE A SELF-ADDRESSED, STAMPED ENVELOPE WITH BID  
[WWW.CI.DULUTH.MN.US/CITY/SERVICES/PURCHASING](http://WWW.CI.DULUTH.MN.US/CITY/SERVICES/PURCHASING)

Designated F.O.B. Point  
 Duluth, MN

Tax: Federal Excise Tax Exemption  
 Account No. 41-74-0056 K

Item No.	Qty	U/OM	Description	Unit Price	Total Price
01	1	EA	One New 2009 Bomag Model BF815 or comparable Asphalt paver per attached specifications	_____	_____

\* Required \* Statement of Warranty and closest dealer for warranty work or issues, Statement of set-up and training.

Vendor E-mail Address \_\_\_\_\_ Freight Charges N/A

Name \_\_\_\_\_  
 Addr \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Total Bid Price \_\_\_\_\_  
 (To include any additional pages)

Payment Terms \_\_\_\_\_

By: \_\_\_\_\_  
 (print title)

F.O.B. Point N/A

Delivery Date \_\_\_\_\_

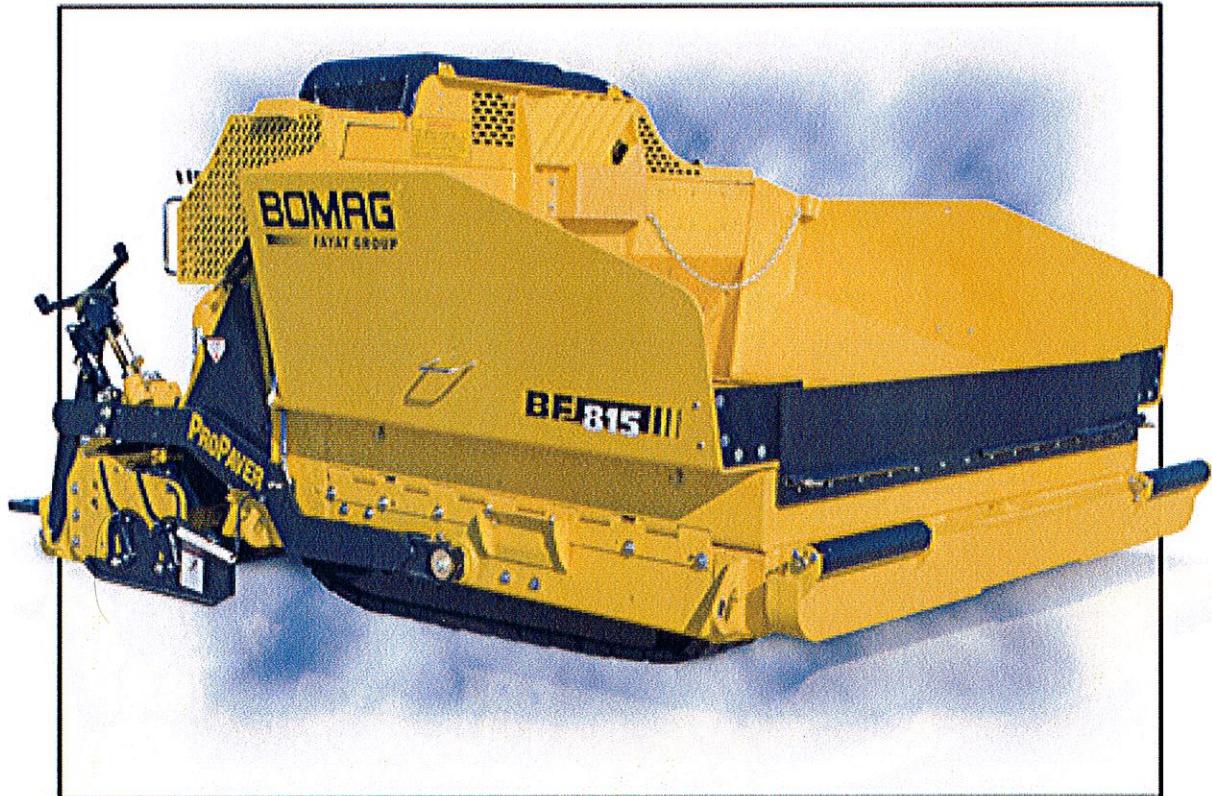
\_\_\_\_\_  
 (signature) (tele#)

# BOMAG

FAYAT GROUP

## Asphalt Pavers

### BF814 / BF815

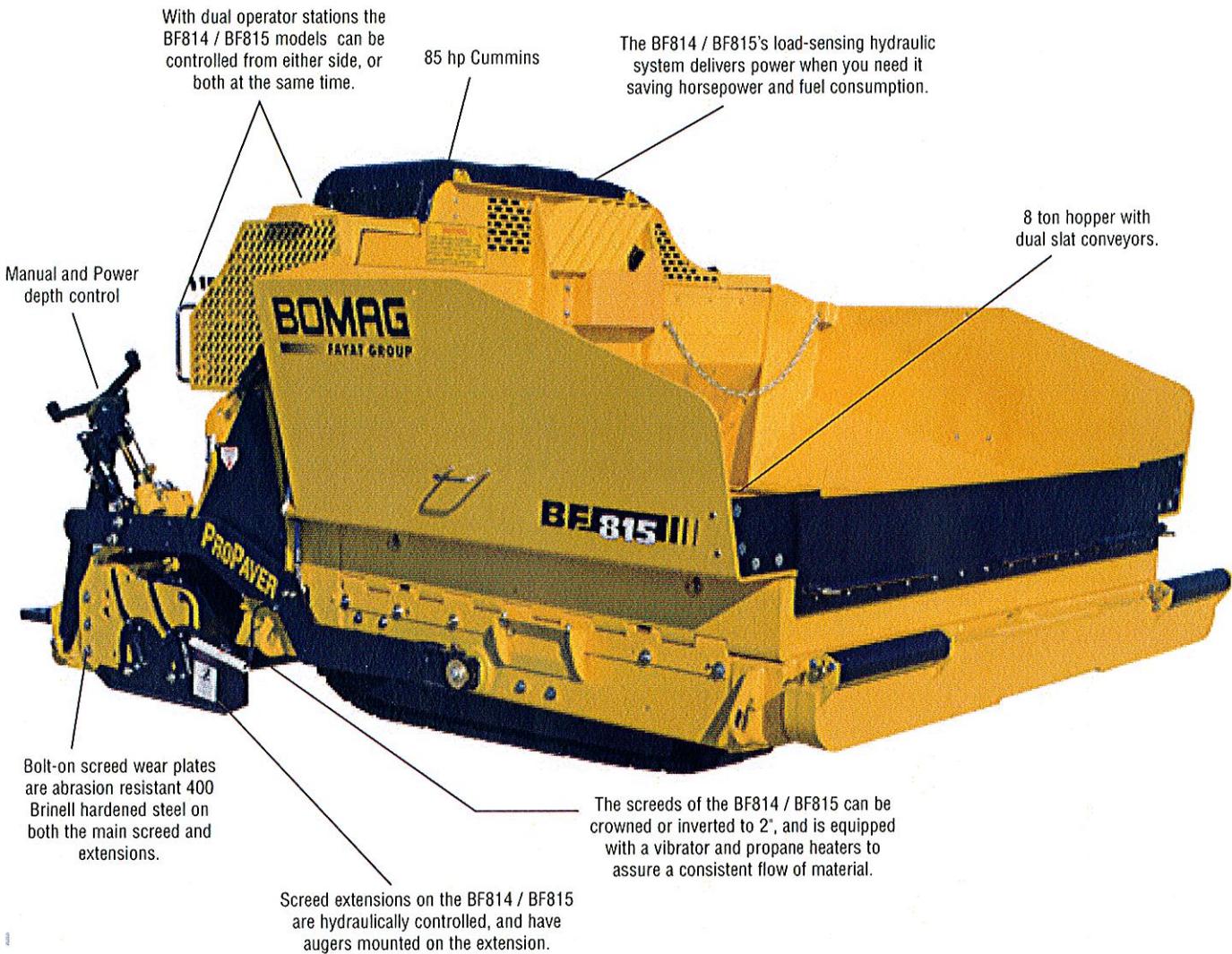


■ *A Revolutionary Design, Built To Meet And Exceed The Customer's Demands.*

#### KEY FEATURES

- High performance: 85 HP Cummins water cooled diesel engine.
- New design UNIMAT 2 screed with 8 to 14 foot standard paving width (BF814); 8 to 15 foot paving width (BF815).
- Automatic as well as manual function setting for auger(s) and conveyor operation
- 8 ton hopper with dual slat conveyors
- Load sensing hydraulic system to optimize engine and paving performance and minimize fuel consumption
- Crawler-style "track drive system" undercarriage with standard urethane bolt-on track pads

# BF814 / BF815



With dual operator stations the BF814 / BF815 models can be controlled from either side, or both at the same time.

85 hp Cummins

The BF814 / BF815's load-sensing hydraulic system delivers power when you need it saving horsepower and fuel consumption.

8 ton hopper with dual slat conveyors.

Manual and Power depth control

**BOMAG**  
FAYAT GROUP

**BF815**

**PROPAVER**

Bolt-on screed wear plates are abrasion resistant 400 Brinell hardened steel on both the main screed and extensions.

The screeds of the BF814 / BF815 can be crowned or inverted to 2", and is equipped with a vibrator and propane heaters to assure a consistent flow of material.

Screed extensions on the BF814 / BF815 are hydraulically controlled, and have augers mounted on the extension.

## Everything you need in a mid-sized paver, and more.

Equipped with the features of a main-line paver and having the speed, maneuverability, and reliability needed to get the job done, the BOMAG BF814/BF815 models set a standard for the mid-size paver class.

Built from an innovative design with high standard production techniques, the BF814 / BF815 models are the industry workhorse for most growing contractors, as well as larger contractors who are looking for a laydown machine that has the versatility and standard features other pavers just do not have.

### Applications:

- Secondary roads and city streets
- Driveways
- Parking lots
- Asphalt repairs and resurfacing



BF815 paving a secondary road.



The hopper of the BOMAG BF814 / BF815 can be raised over 6' high, allowing for easy maintenance access to the undercarriage.

## Outstanding performance and operation

### Power On Demand:

Equipped with a water cooled, 85 hp Cummins diesel engine supplying the power to the hydrostatic drive and pumps, the BOMAG BF814 / BF815 models will easily manage the most demanding work loads.

The load-sensing hydraulic system on the BF814 / BF815 models makes it possible to use all paving features without compromising travel performance power.

### Maintenance & Accessibility:

- The hopper bed can be raised over 6' for easier maintenance and cleaning access to the undercarriage.
- Adjusting both the conveyor and track chains can be done easily without crawling under the paver.
- Track fenders are a standard feature on the BF814 / BF815 models.
- The fenders keep the tracks clean helping to reduce excess wear to the track assembly.
- The heavy-duty tracks are self-cleaning with sealed rollers.
- Both the drive and idler sprockets are heat treated to help prevent wear.

### Screed Features:

- Screed extension augers are mounted to the extensions not the hopper frame.
- Manual and power paving depth controls are standard.
- The augers are reversible, and can be controlled manually, or can be set to run on automatic using limit switches mounted at the end of either extension.
- The screed extension plates are constructed from abrasion resistant 400 Brinell hardness steel, and bolt on for easy replacement.
- The screed utilizes a formed leading edge providing a better material flow, making it possible to accurately and uniformly pave at depths ranging from 0 to 6 inches.

### Other Advantages:

- 0 to 360 FPM travel speed - BF814 and BF815 models
- Highly maneuverable, able to turn a full radius in the width of the machine.
- Ability to change paving width from 8' to 14' on the go. (8 to 15 foot model BF815)
- Low deck configuration with dual operator's stations for unsurpassed control.
- Dual full width, hydraulic slat conveyors with automatic feed controls, manual overrides and reversible.

## Featuring...



The BOMAG BF814 / BF815 water cooled, 85 Hp diesel engine supplies the power to the hydrostatic drive and pumps.



The screed extensions of the BF814 / BF815 have been designed to give the operator exceptional control of the material, as well as a uniform, fully screeded mat.

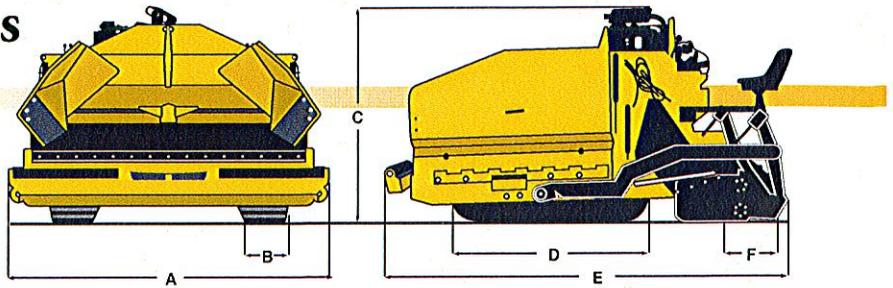


Ergonomically improved operator's control panels.

*With these features and many more, it's easy to see why this model maintains a high residual value while delivering lower lifetime operating costs.*

# Technical Specifications

## BF814 / BF815



### Dimensions in inches (mm)

	A	B	C	D	E	F
BF814 / BF815	102 (2591)	12 (305)	74 (1880)	73 (1854)	144 (3658)	16 (406)

### Shipping dimensions in cubic feet (m<sup>3</sup>)

BF814 / BF815 629 (17.81)

### Standard Equipment

- 85 hp Cummins water-cooled diesel engine
- High engine water temperature, and low engine oil pressure automatic shutdown
- Hydrostatic drive system with pause/run feature
- Heavy-duty crawler style, self-cleaning undercarriage with 6 sealed rollers per side & poly pads
- Full width floating screed is adjustable, vibratory, and propane heated
- Hydraulic screed extensions - 2" crown / 2" invert / adjustability
- Hydraulic down pressure feature to increase screed weight and mat density
- 2 abrasion resistant, extendable, reversible, and independent hydraulic augers on each screed with automatic controls and manual override
- 16" x 8' screed plates are 3/8" abrasion resistant 400 Brinell hardened steel
- Hydraulic hopper lifts for maintenance
- Dual full width hydraulic slat conveyors with automatic controls and manual overrides / reversible
- Hydraulic shut off gates - 2 each
- Swivel mounted truck bumper rollers
- Hydraulic depth control
- Engine shroud

### Optional Equipment

- Swivel mounted hydraulic tow type truck hitch with bumper rollers
- Ditch plates
- Topcon system five screed automation
- Fail-safe brakes
- Simple Moba automatic joint matcher
- Bolt-on screed extensions
- Working lights

### Technical data

#### Weights:

	BOMAG BF814	BOMAG BF815
Operating Weight..... lbs (kg)	15700 (7121)	15950 (7235)

#### Dimensions:

	BOMAG BF814	BOMAG BF815
Length..... in (mm)	144 (3658)	144 (3658)
Width (Transport)..... in (mm)	102 (2591)	102 (2591)
Paving Width..... ft (m)	8 - 14 (2.4 - 4.3)	8 - 15 (2.4 - 4.6)
Overall Height..... in (mm)	74 (1880)	74 (1880)
Paving Depth..... in (mm)	0 - 6 (0 - 152)	0 - 6 (0 - 152)

#### Hopper Area:

	BOMAG BF814	BOMAG BF815
Capacity..... tons (tons)	8 (7.3)	8 (7.3)
Wings.....	Hydraulic Actuated	Hydraulic Actuated
Deck.....	Hydraulic Lifting	Hydraulic Lifting
Hydraulic Cylinder Size..... in (mm)	3 (76)	3 (76)
Number of Hydraulic Cylinders.....	1	1

#### Screed:

	BOMAG BF814	BOMAG BF815
Standard..... ft (m)	8 - 14 (2.4 - 4.3)	8 - 15 (2.4 - 4.6)
Type.....	Fully Adjustable, Vibrating and Heated.	Fully Adjustable, Vibrating and Heated.
Crown / Invert..... in (mm)	2 / 2 (51 / 51)	2 / 2 (51 / 51)
Vibratory..... vpm	2500	2500

#### Speeds:

	BOMAG BF814	BOMAG BF815
Travel(Max)..... fpm (mpm)	0 - 360 (0 - 110)	0 - 360 (0 - 110)
Paving..... fpm (mpm)	0 - 180 (0 - 55)	0 - 180 (0 - 55)

#### Drive:

	BOMAG BF814	BOMAG BF815
Engine Type.....	Cummins 4B 3.3 T	Cummins 4B 3.3 T
Performance SAE J1349..... hp (kW)	85 (59.7)	85 (59.7)
Cooling.....	Water	Water
Fuel.....	Diesel	Diesel

#### Service Capacities:

	BOMAG BF814	BOMAG BF815
Fuel..... gal (l)	25 (95)	25 (95)
Cooling..... gal (l)	3.5 (13)	3.5 (13)
Hydraulic..... gal (l)	35 (132)	35 (132)
Washdown..... gal (l)	4.0 (15)	4.0 (15)

Technical modifications reserved. Machines may be shown with options.

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