



# 3" BFK & BFV Series

SUBMERSIBLE SEWAGE PUMPS



**Bell & Gossett**  
a xylem brand

**FEATURES**

**SELF-CLEANING:** The patented design of the self-cleaning K-impeller has been proven to reduce clogging and maintain efficiency when pumping wastewater

**SOLIDS HANDLING:** The vortex impeller can handle solids up to 3" in size and resists clogging better than a traditional two-vane impeller

**POWERFUL:** An efficient air-filled motor provides built-in thermal overload protection allowing the pump to run continuously without overheating

**ROBUST:** Components are made from robust cast iron for long life and easy maintenance

**DURABLE:** Heavy-duty long life bearings provide peace of mind

**SMOOTH:** The double mechanical seal provides extra reliability and protects against leakage\*

**INSTALLATION OPTIONS:** Pump has built-in dual seal and sensors for high temperature and seal leak detection which accommodate upgraded panel installations\*

\* Upgraded installation required for seal leak detection

**APPLICATIONS**

Used in a variety of residential, commercial and industrial applications such as:


- Sewage systems
- Flood and pollution control
- Dewatering/effluent
- Farms
- Hospitals
- Trailer courts
- Motels

**SPECIFICATIONS**

- **Capacities:**  
3" Series: Up to 560 gpm
- **Total head:**  
3" Series: Up to 157 feet TDH
- **Horsepower:**  
3" Series: Up to 11 hp
- **Discharge size:**  
3" Series: 3" ANSI flange

- **Insulation:** Class F: 310° F (155° C)
- **Maximum Fluid Temperature:** 104° F (40° C)
- **Phase:** Three-phase
- **Frequency:** 60 Hz
- **Impeller:**  
BFK Series: Self-cleaning K-impeller  
BFV Series: Vortex impeller
- **Motor:** Air-filled 3400 rpm motor with built-in thermal overload protection
- **Bearings:** Single row ball bearings
- **Upper-Lower Seal Configurations (configurations vary by model):**  
- Carbon/Aluminum Oxide - Aluminum Oxide/WCCR  
- Carbon/WCCR - WCCR/WCCR
- **Cable Length:** 50 ft (16 m) power cord

**AGENCY LISTINGS**

 Tested to UL 778 and CSA 22.2 108 standards by Canadian Standards Association



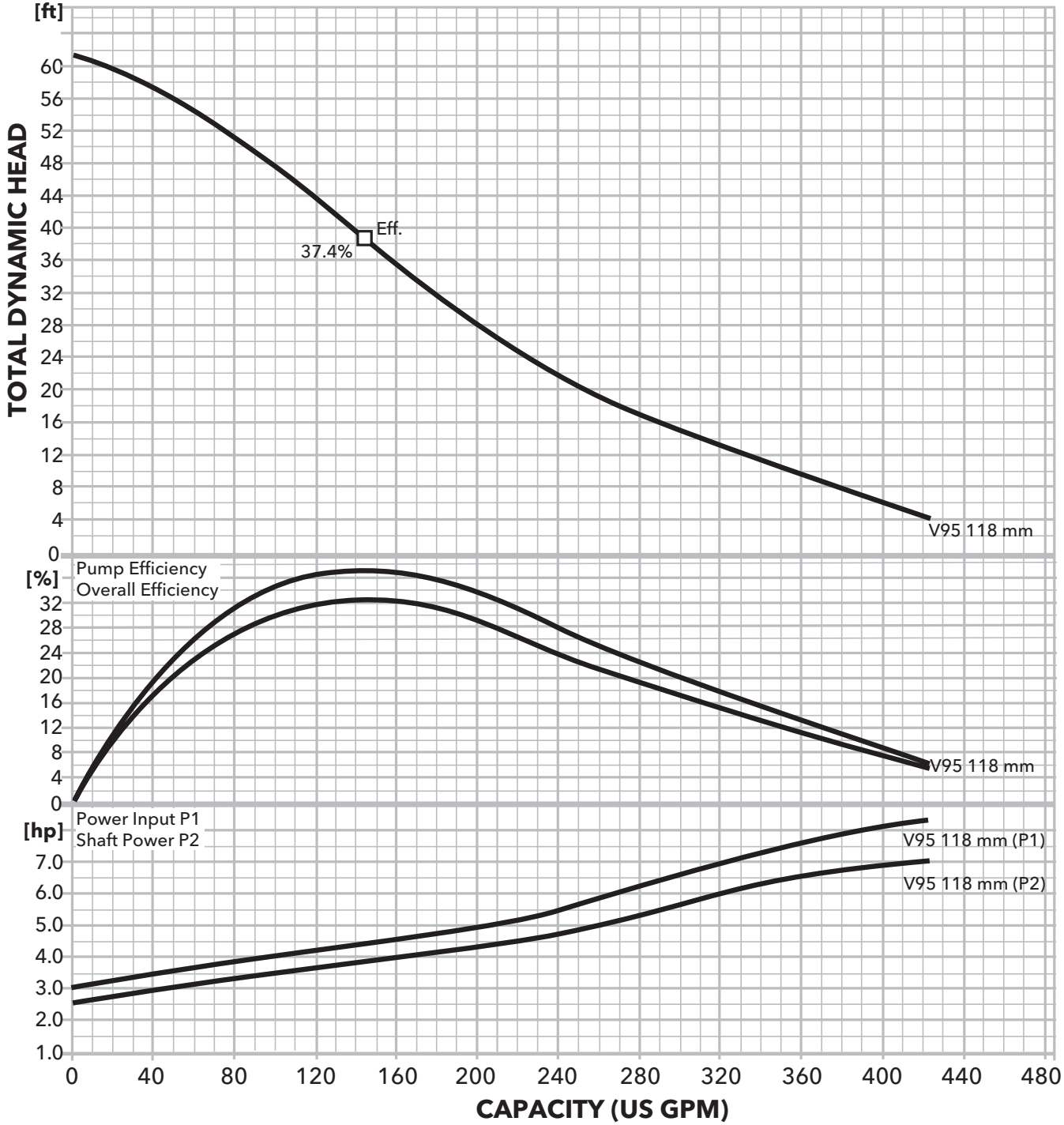
**Upgraded installation requires MiniCAS module in control panel.**

### PRODUCT SPECIFICATIONS

B&G Part No.	HP	Phase	Hz	Voltage	Max Amps	Weight (lbs.)
3BFV6412P	6.4	3	60	200	18	210
3BFV6413P				230	16	
3BFV6414P				460	7.9	
3BFV9512N	9.5			200	26	287
3BFV9513N				230	23	
3BFV9514N				460	12	
3BFK3812T	3.8			200	12	67
3BFK3813T				230	10	
3BFK3814T				460	4.9	
3BFK6412R	6.4			200	18	210
3BFK6413R				230	16	
3BFK6414R				460	7.9	
3BFK9512M	9.5	200	26	287		
3BFK9513M		230	23			
3BFK9514M		460	12			
3BFK1112L	11	200	30	287		
3BFK1113L		230	26			
3BFK1114L		460	13			

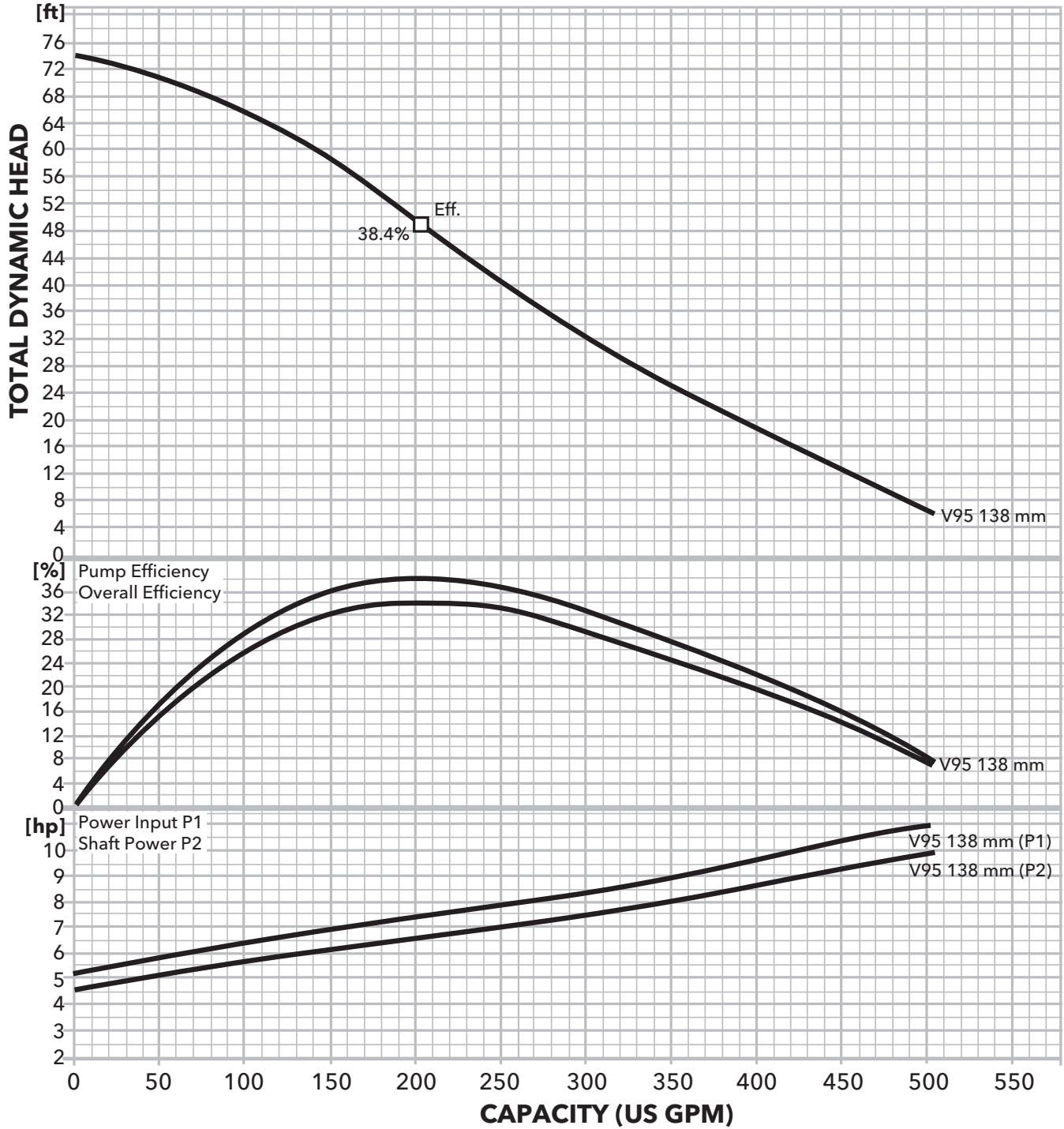
PERFORMANCE CURVES

3" BFV 6.4 HP - P



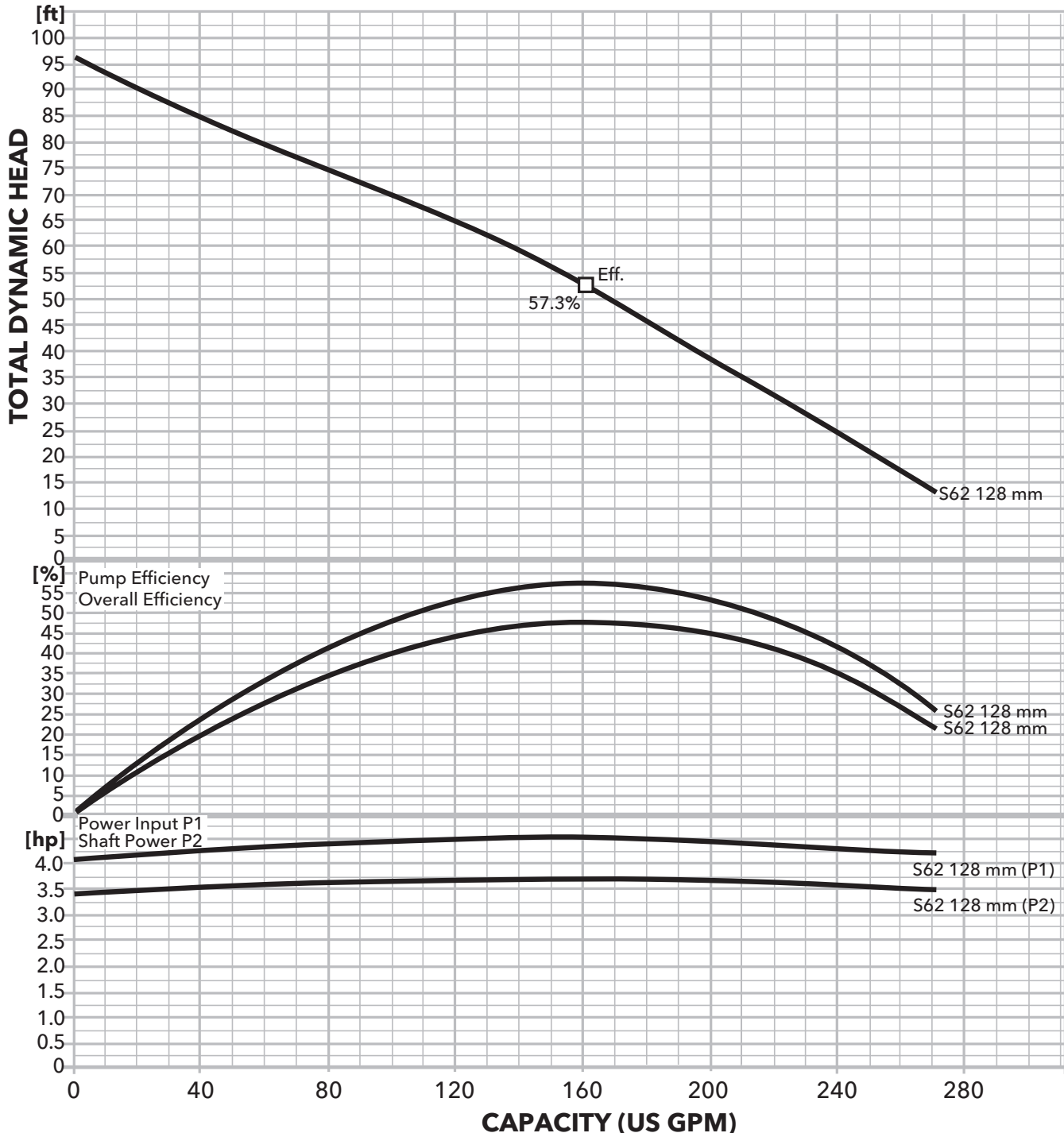
## PERFORMANCE CURVES

### 3" BFV 9.5 HP - N



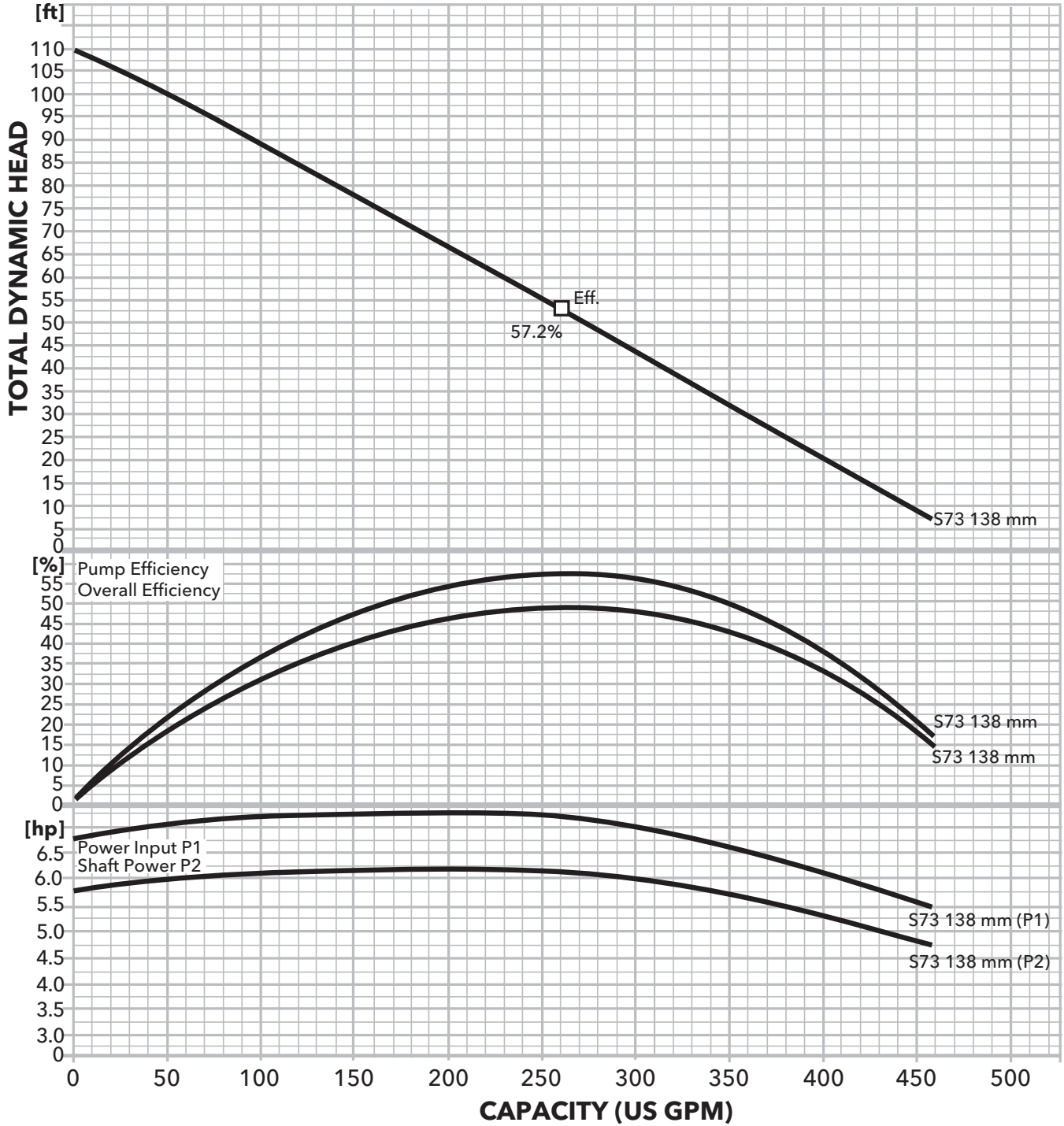
PERFORMANCE CURVES

3" BFK 3.8 HP - T



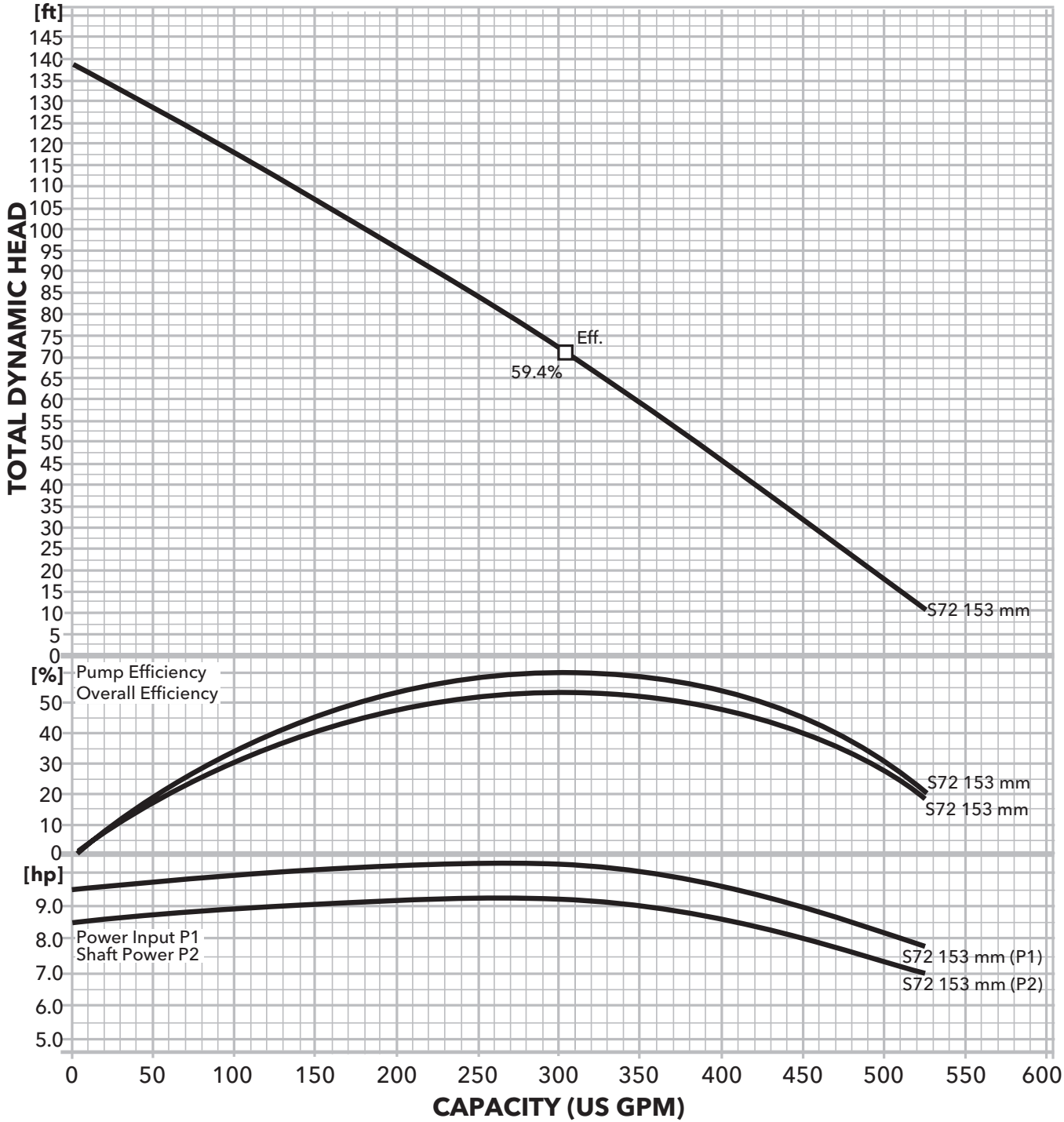
## PERFORMANCE CURVES

### 3" BFK 6.4 HP - R



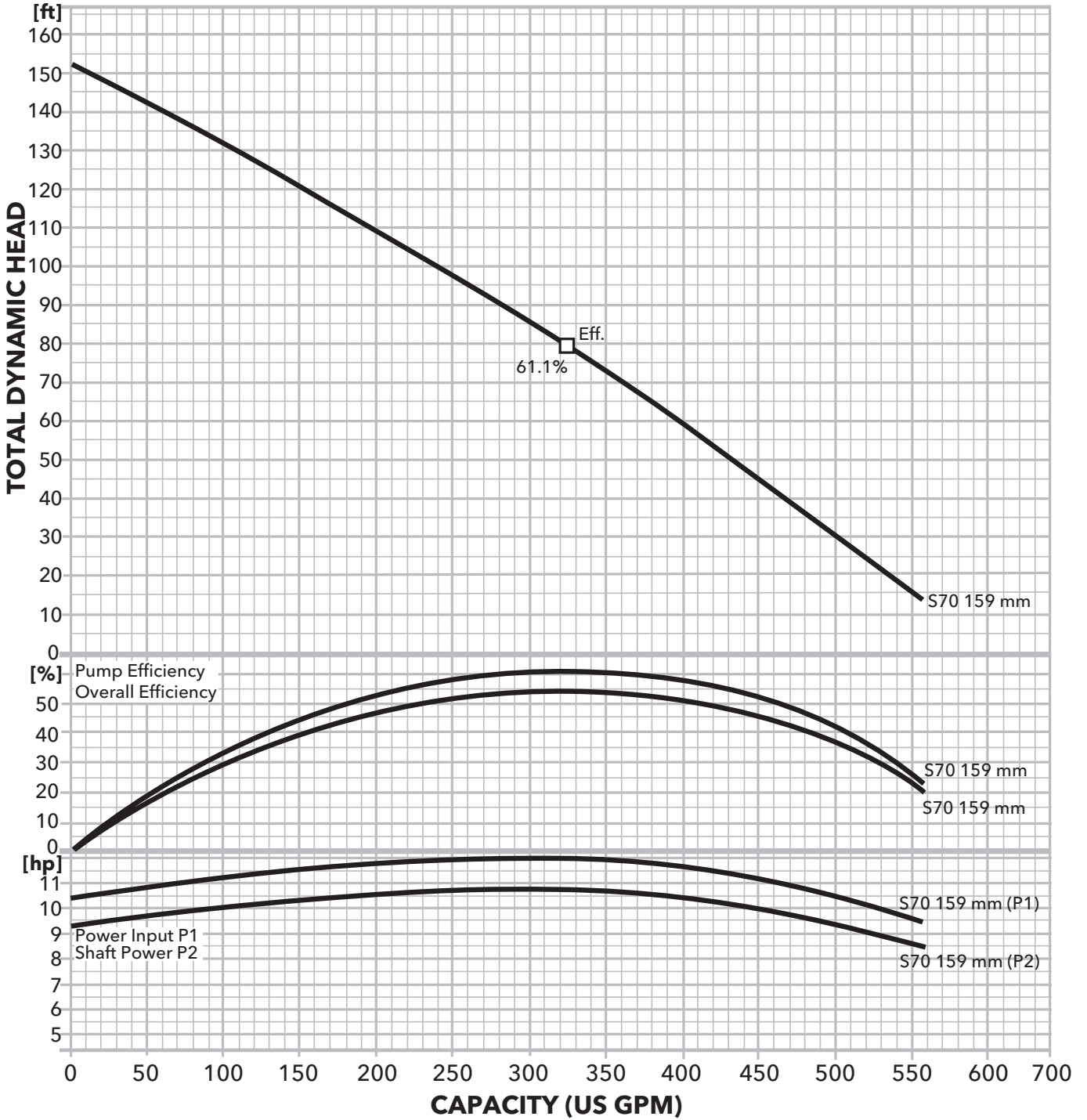
PERFORMANCE CURVES

3" BFK 9.5 HP - M

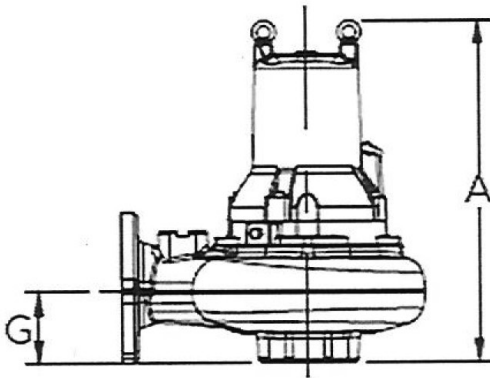
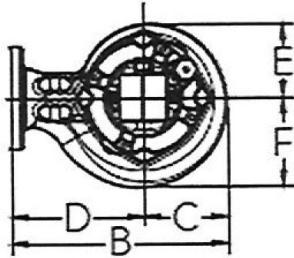


## PERFORMANCE CURVES

### 3" BFK 11 HP - L



3" DIMENSIONS



**3BFV64**

- A = 20.59"
- B = 13.47"
- C = 5.59"
- D = 7.87"
- E = 5.67"
- F = 5.71"
- G = 3.94"

**3BFV95**

- A = 23.31"
- B = 20.49"
- C = 8.39"
- D = 12.21"
- E = 7.64"
- F = 9.13"
- G = 4.61"

**3BFK38**

- A = 17.99"
- B = 12.52"
- C = 4.65"
- D = 7.87"
- E = 4.06"
- F = 4.84"
- G = 3.94"

**3BFK64**

- A = 20"
- B = 14.84"
- C = 5.79"
- D = 9.06"
- E = 5.75"
- F = 5.83"
- G = 3.54"

**3BFK95 3BFK11**

- A = 22.44"
- B = 16.73"
- C = 6.50"
- D = 10.24"
- E = 5.95"
- F = 6.77"
- G = 3.54"

**NOTES**

# Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

**For more information on how Xylem can help you, go to [www.xylem.com](http://www.xylem.com)**



Xylem Inc.  
Phone: (866) 325-4210  
Fax: (888) 322-5877  
[www.xylem.com/bellgossett](http://www.xylem.com/bellgossett)

Bell & Gossett is a trademark of Xylem Inc. or one of its subsidiaries.  
© 2020 Xylem Inc. BBG3INBFKV February 2020