



# 2" 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 2" 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:**  
2" Series: Up to 290 gpm
- **Total head:**  
2" Series: Up to 88 feet TDH
- **Horsepower:**  
2" Series: Up to 3.8 hp
- **Discharge size:**  
2" Series: 2" outlet, threaded 2-11 ½ NPT

- **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 - SilCar/SilCar  
- Carbon/Aluminum Oxide - Aluminum Oxide/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



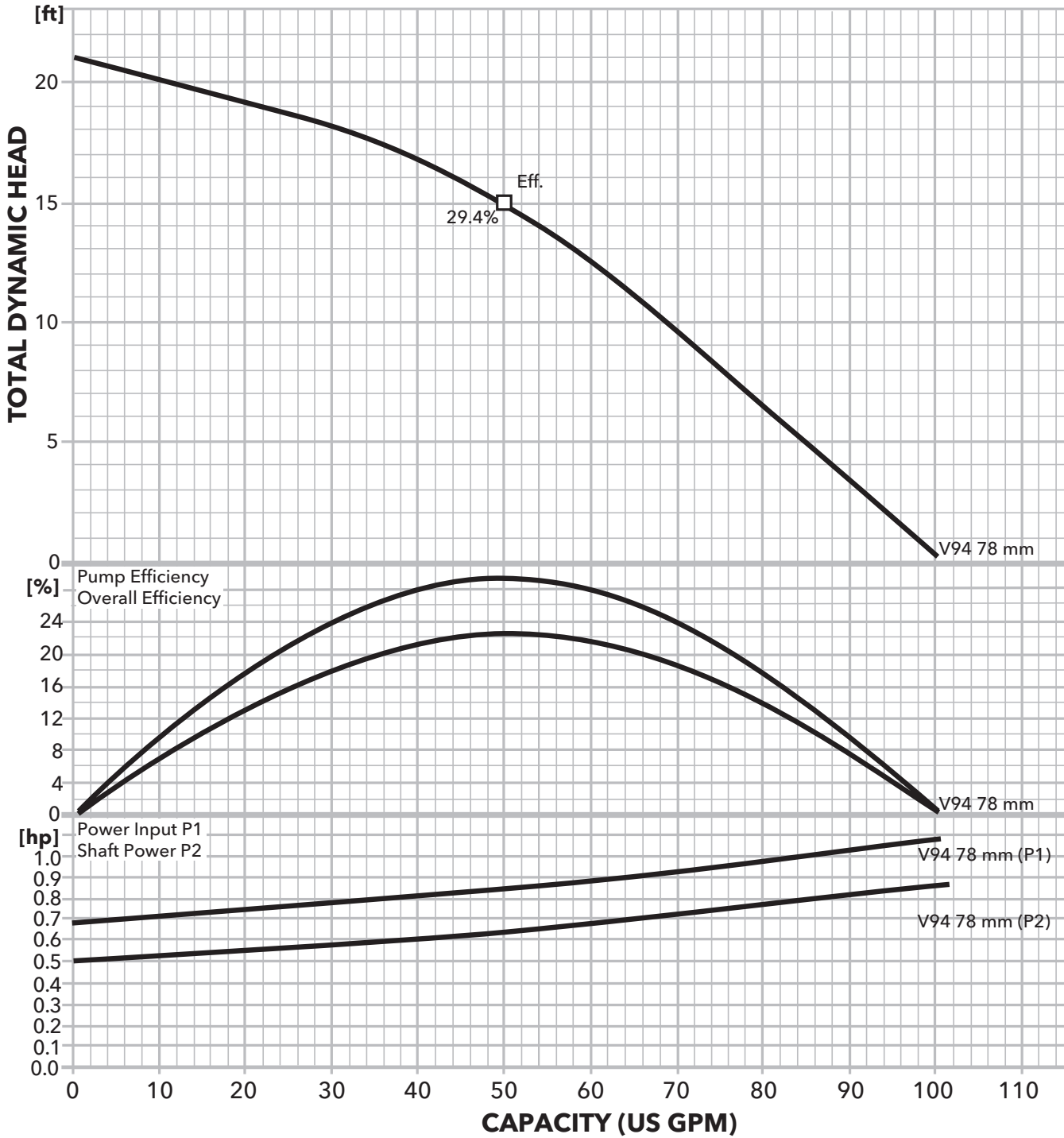
**Upgraded installation requires MiniCAS module in control panel.**

### PRODUCT SPECIFICATIONS

B&G Part No.	HP	Phase	Hz	Voltage	Max Amps	Weight (lbs.)	
2BFV1212F	1.2	3	60	200	3.8	67	
2BFV1213F				230	4		
2BFV1214F				460	2		
2BFV1215F				575	1.8		
2BFV1712E	1.7			200	5.1		
2BFV1713E				230	5		
2BFV1714E				460	2.5		
2BFV1715E				575	2.2		
2BFV3212K	3.2			200	9.8	102	
2BFV3213K				230	8.8		
2BFV3214K				460	4.4		
2BFV3215K				575	4.2		
2BFV3812J	3.8			200	12		102
2BFV3813J				230	10.2		
2BFV3814J				460	5.1		
2BFV3815J				575	4.9		
2BFK1212D	1.2	200	3.8	67			
2BFK1213D		230	4				
2BFK1214D		460	2				
2BFK1215D		575	1.8				
2BFK1712C	1.7	200	5.1				
2BFK1713C		230	5				
2BFK1714C		460	2.5				
2BFK1715C		575	2.2				
2BFK1712B	1.7	200	5.1				
2BFK1713B		230	5				
2BFK1714B		460	2.5				
2BFK1715B		575	2.2				
2BFK2412H	2.4	200	7.7		102		
2BFK2413H		230	7.2				
2BFK2414H		460	3.6				
2BFK2415H		575	3.4				
2BFK3212G	3.2	200	9.8				
2BFK3213G		230	8.8				
2BFK3214G		460	4.4				
2BFK3215G		575	4.2				
2BFK3812A	3.8	200	12				
2BFK3813A		230	10.2				
2BFK3814A		460	5.1				
2BFK3815A		575	4.9				

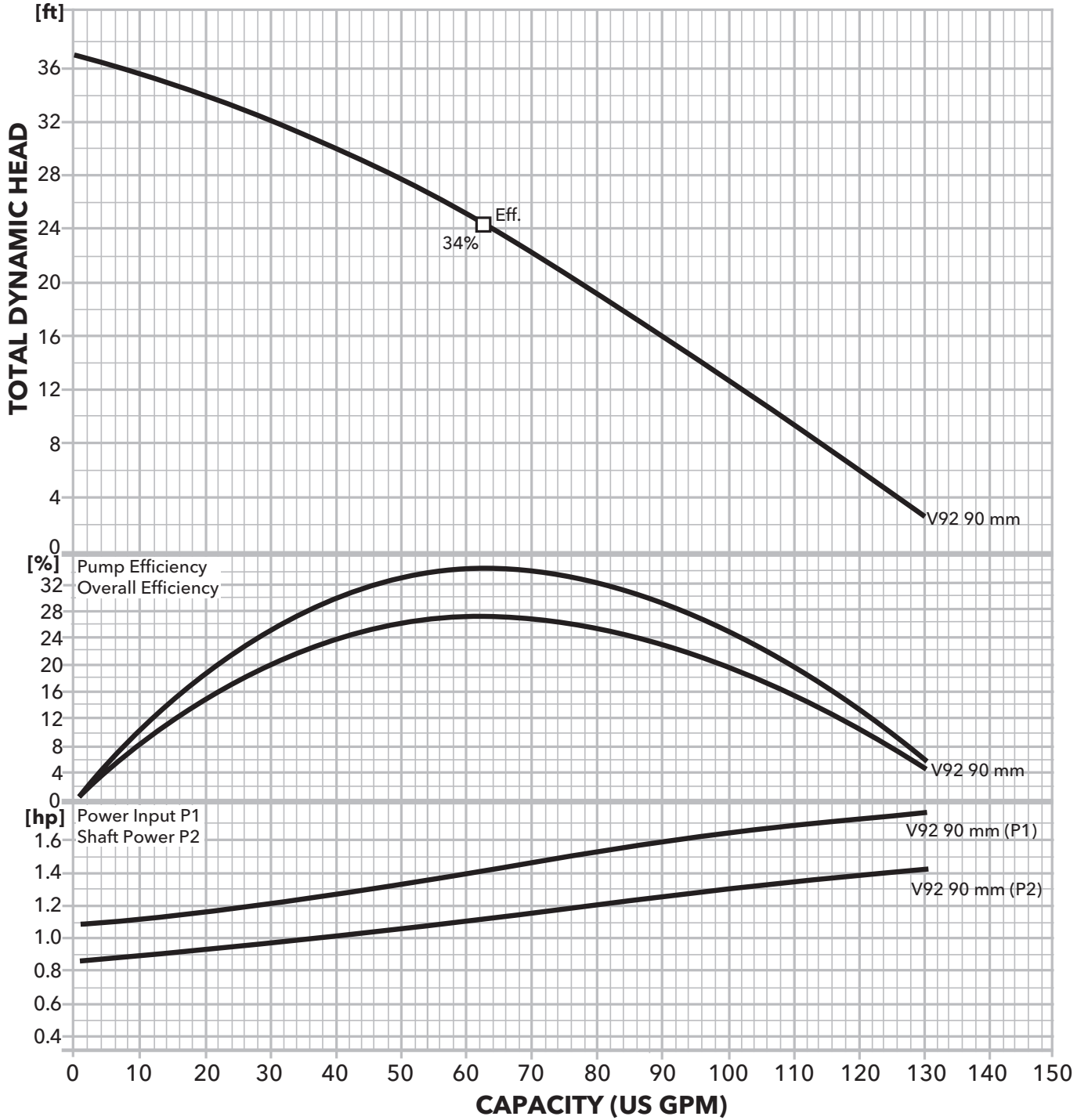
PERFORMANCE CURVES

2" BFV 1.2 HP - F



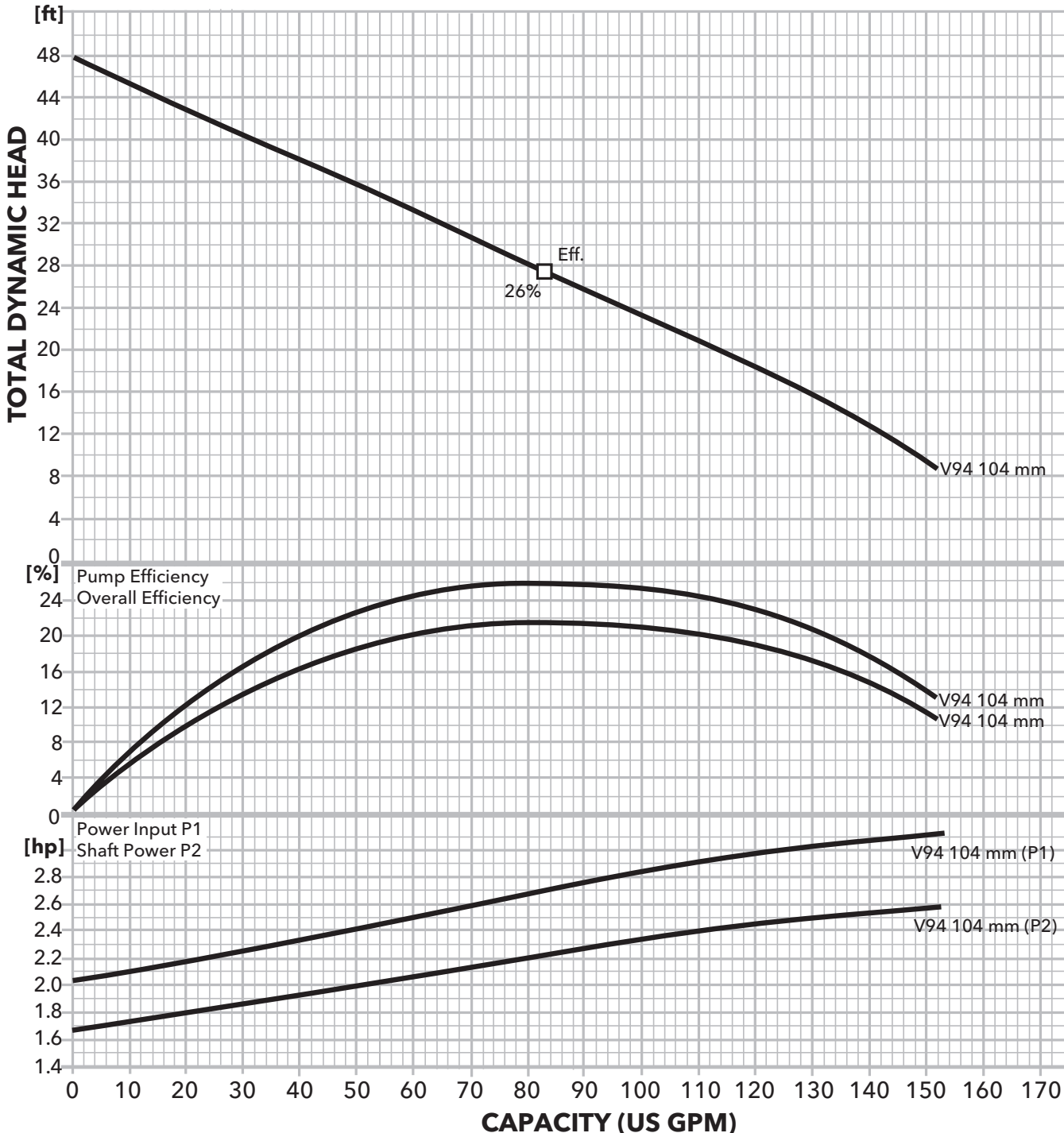
## PERFORMANCE CURVES

### 2" BFV 1.7 HP - E



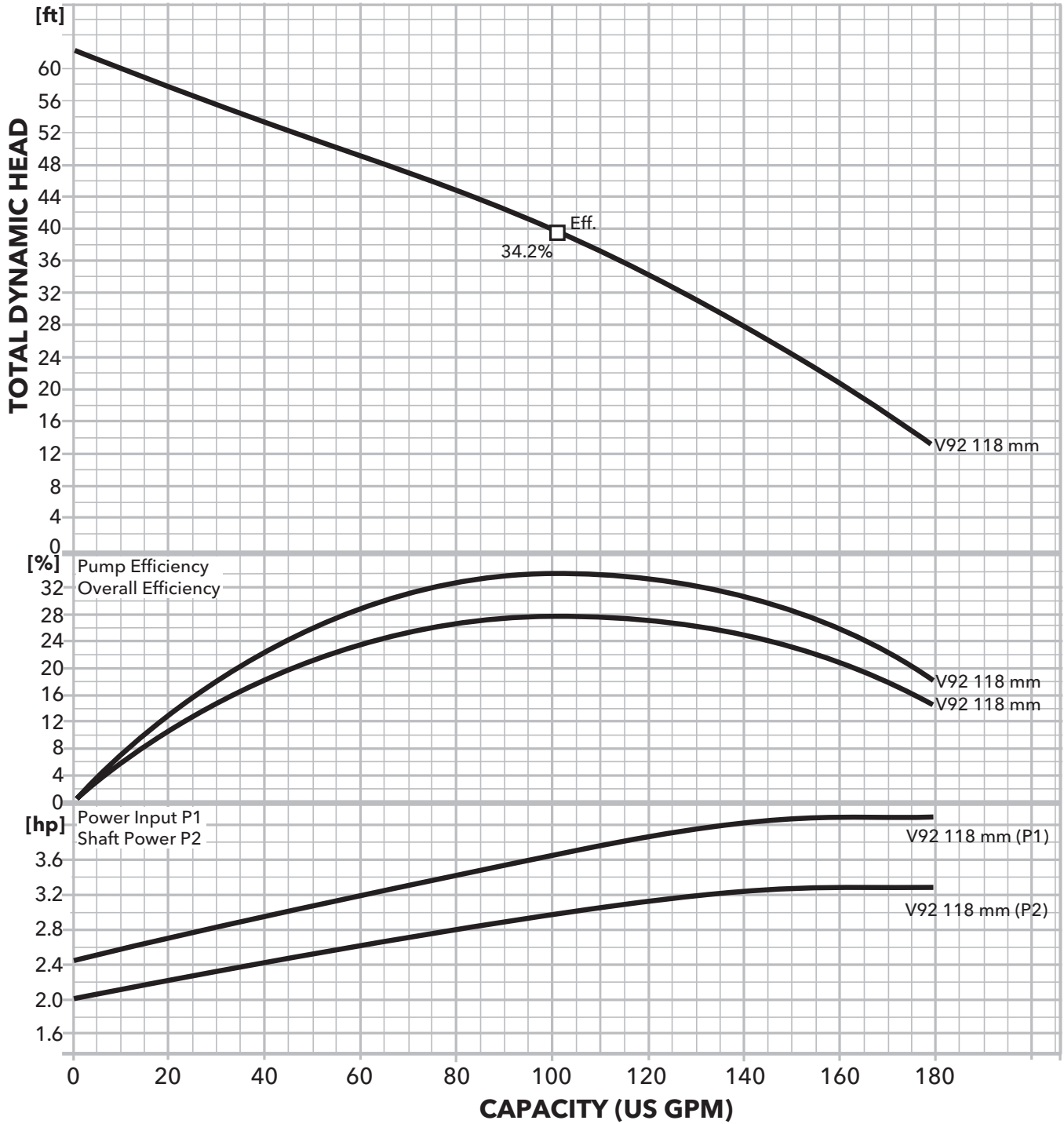
PERFORMANCE CURVES

2" BFV 3.2 HP - K



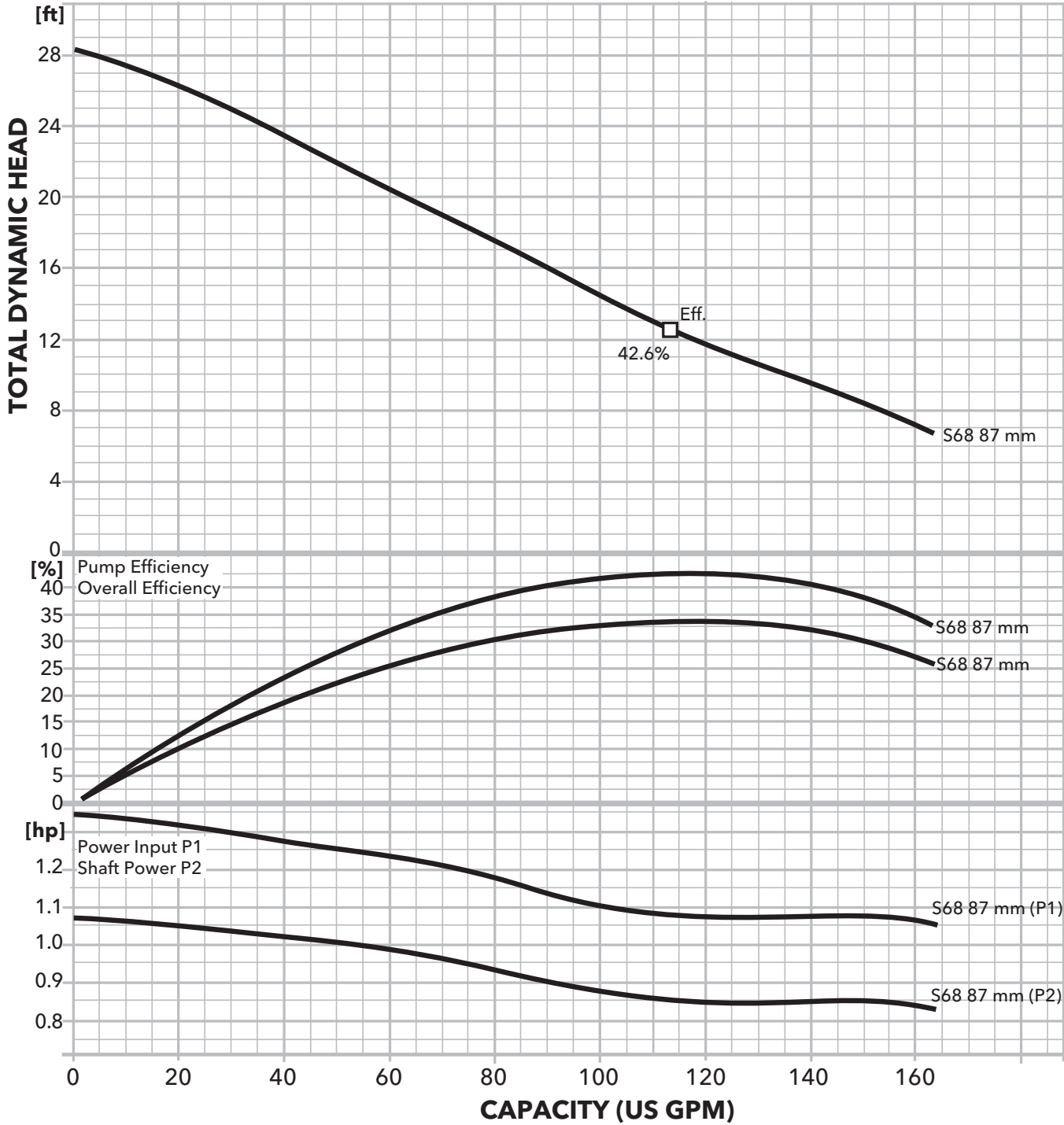
## PERFORMANCE CURVES

### 2" BFV 3.8 HP - J



PERFORMANCE CURVES

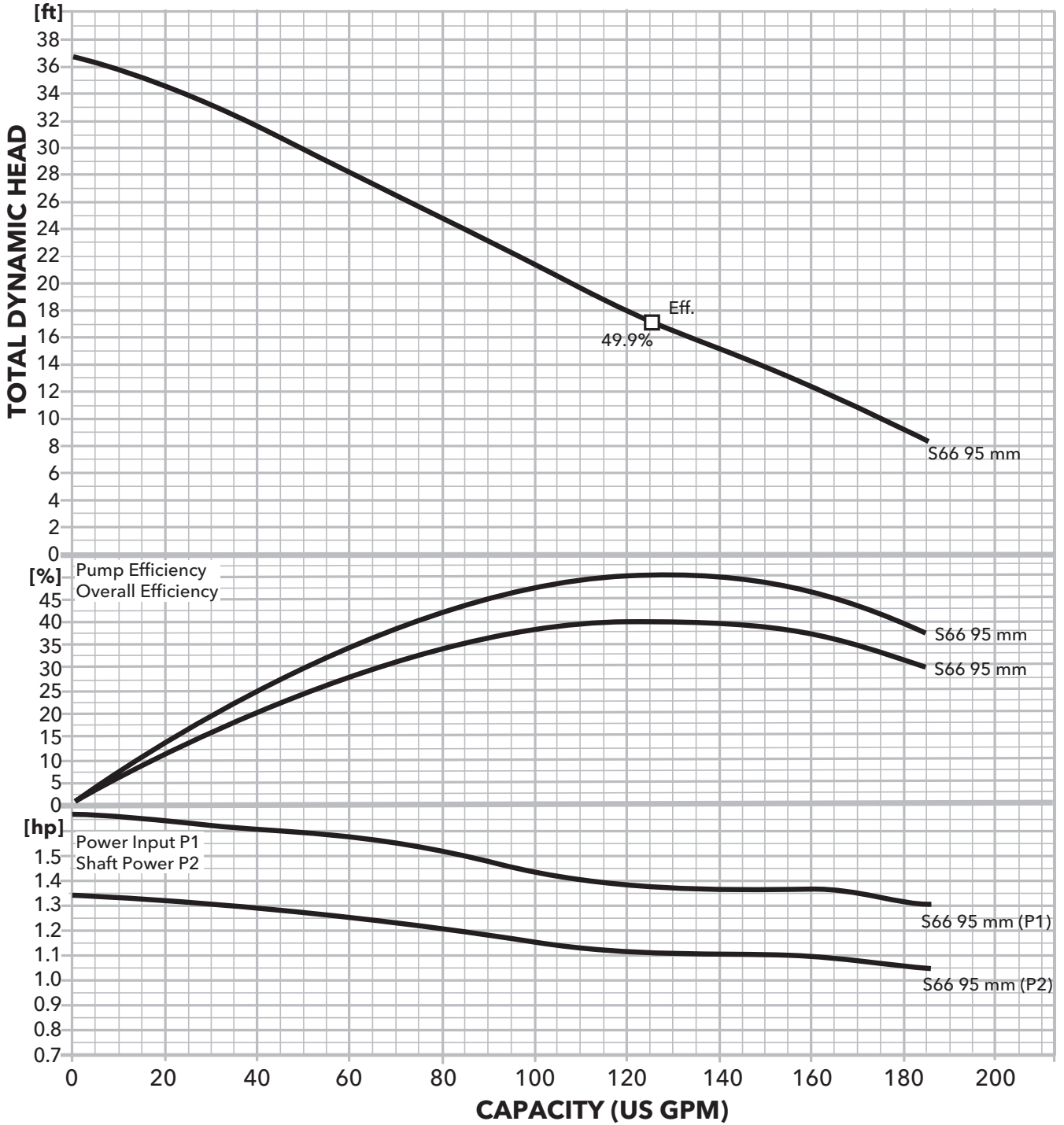
2" BFK 1.2 HP - D





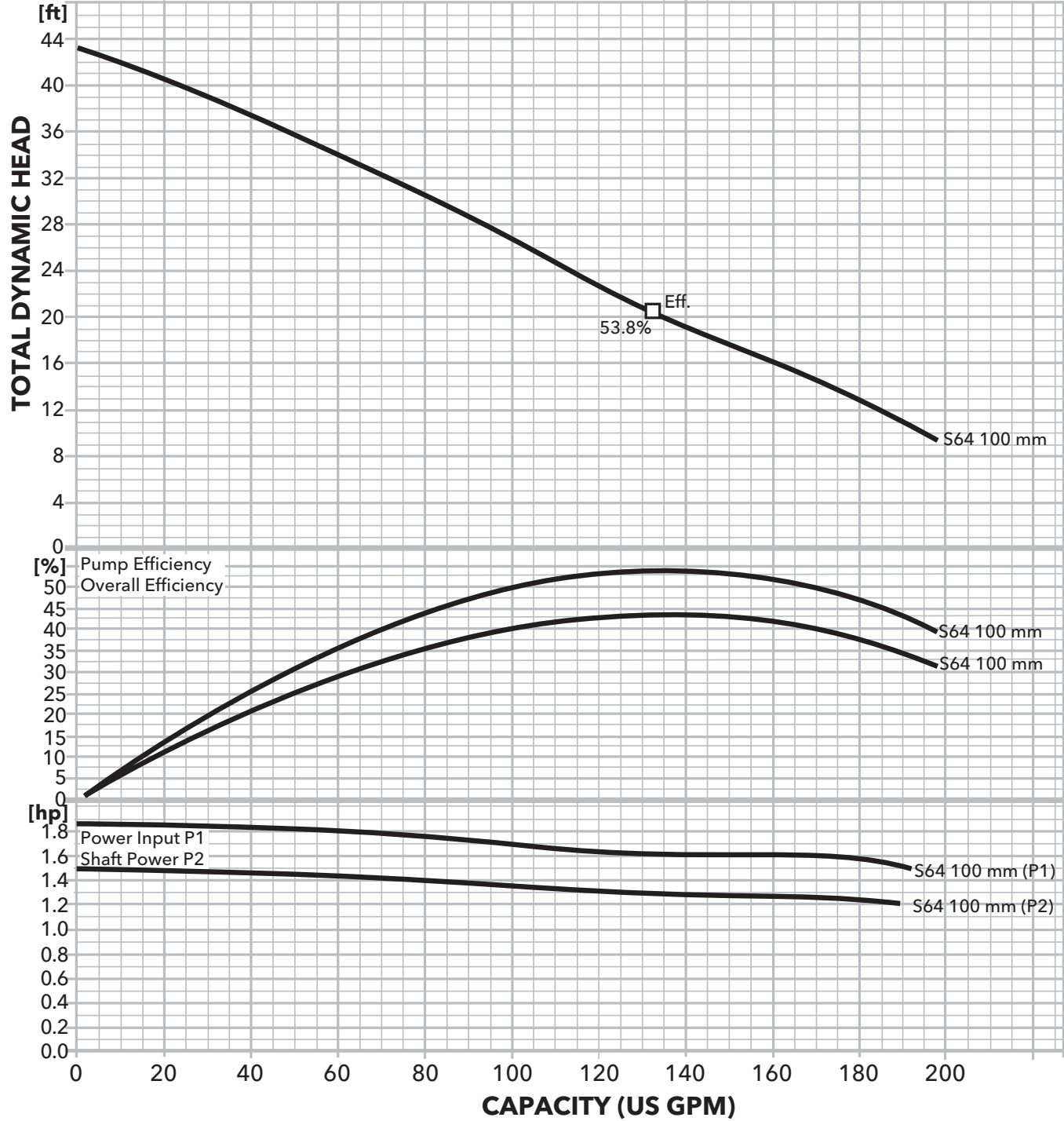
## PERFORMANCE CURVES

### 2" BFK 1.7 HP - C



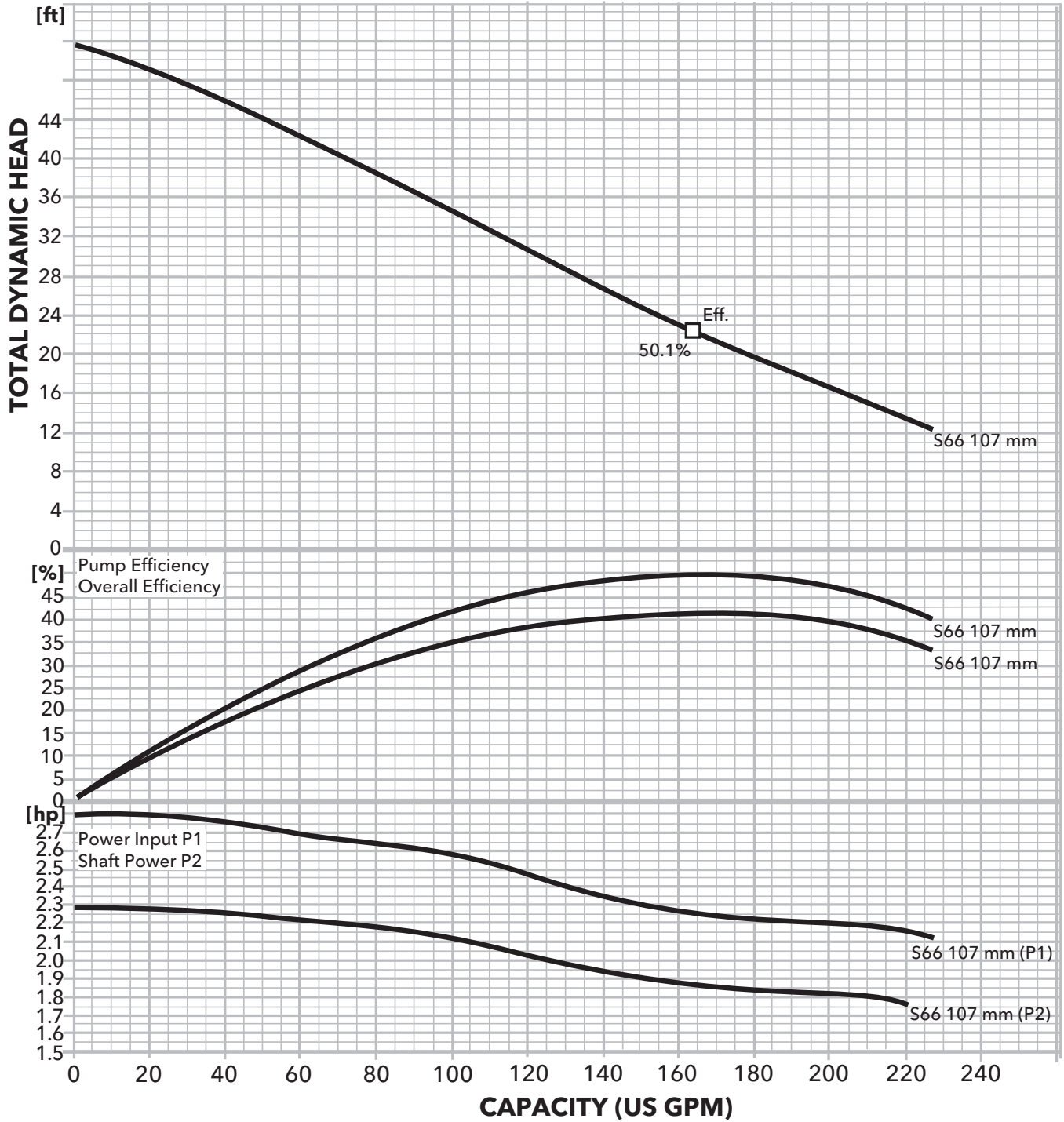
PERFORMANCE CURVES

2" BFK 1.7 HP - B



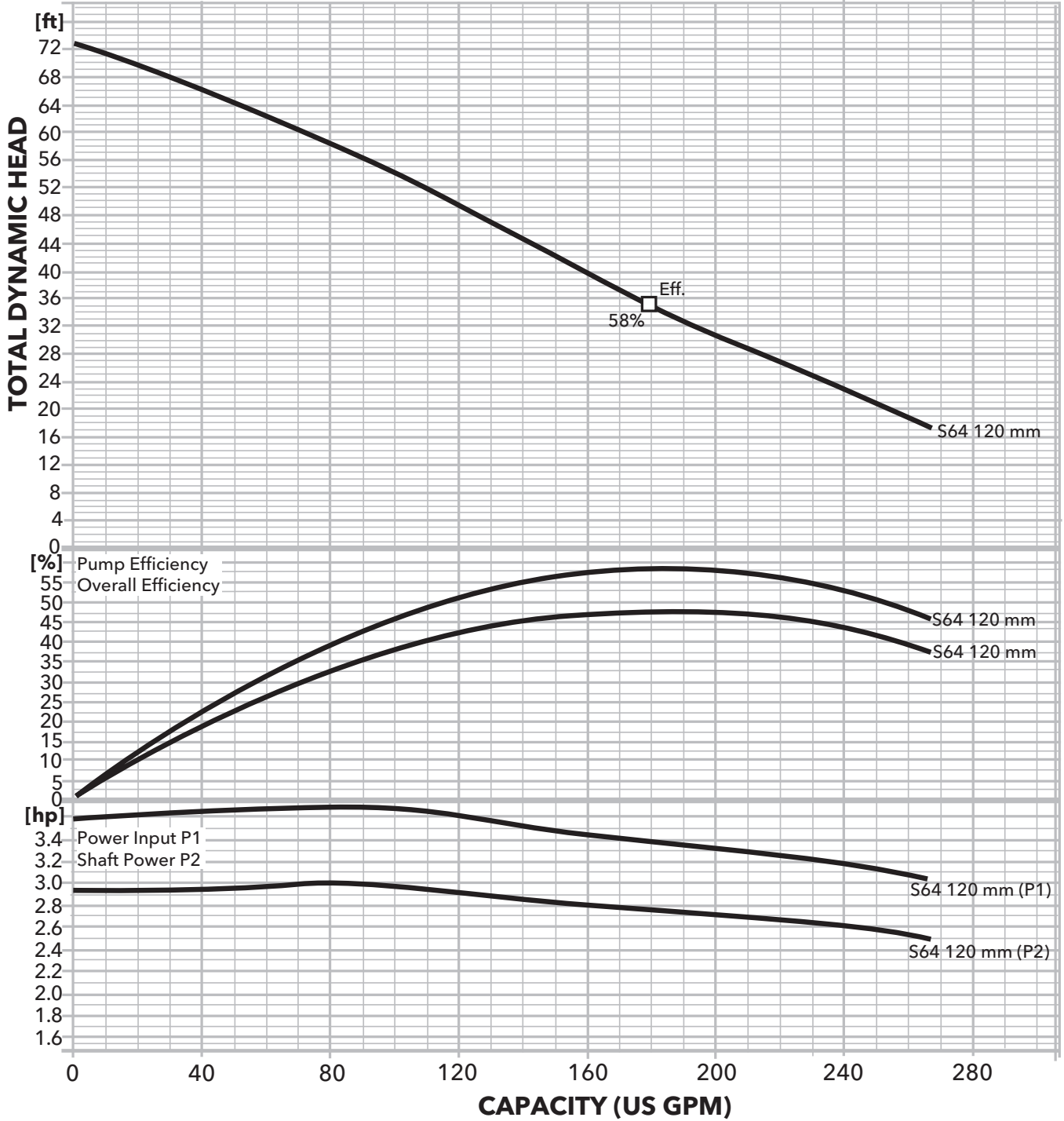
### PERFORMANCE CURVES

#### 2" BFK 2.4 HP - H



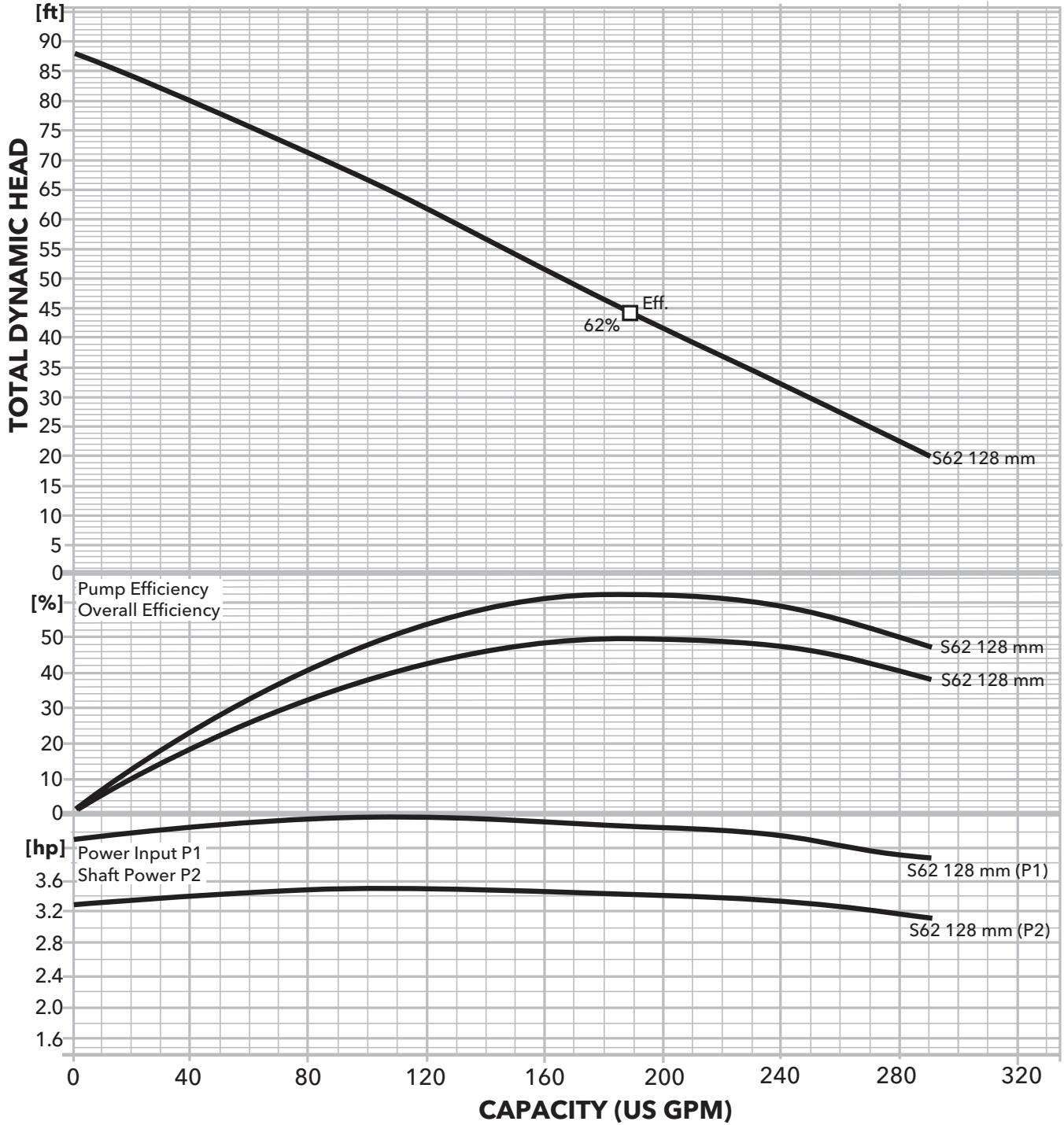
PERFORMANCE CURVES

2" BFK 3.2 HP - G

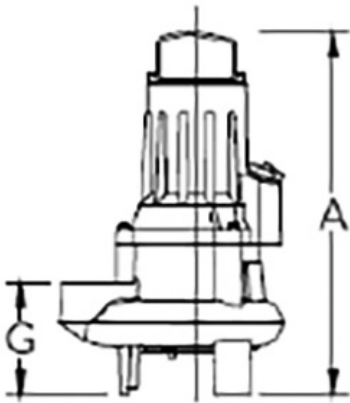
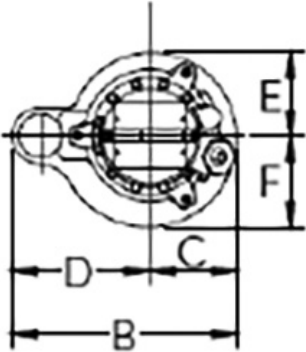


## PERFORMANCE CURVES

### 2" BFK 3.8 HP - A



2" DIMENSIONS



**2BFV12, 2BFV17**

- A = 18.31"
- B = 11.77"
- C = 4.57"
- D = 7.21"
- E = 4.06"
- F = 4.49"
- G = 5.51"

**2BFK12, 2BFK17**

- A = 16.46"
- B = 11.73"
- C = 4.57"
- D = 7.17"
- E = 3.82"
- F = 4.69"
- G = 4.76"

**2BFV32, 2BFV38**

- A = 19.80"
- B = 12.21"
- C = 4.72"
- D = 7.48"
- E = 4.53"
- F = 4.92"
- G = 6.50"

**2BFK24, 2BFK32, 2BFK38**

- A = 17.05"
- B = 11.97"
- C = 4.41"
- D = 7.56"
- E = 4.06"
- F = 4.84"
- G = 4.76"

**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)**



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