

# BERKELEY® CENTRIFUGAL IRRIGATION PUMPS HIGH FLOW/HIGH EFFICIENCY

Designed for clean water applications such as flood irrigation, water features, and pivot irrigation.

## Features

- ▶ Broad flow range: to 7500 GPM
- ▶ Industry leading 85% hydraulic efficiencies
- ▶ Long lasting, robust design
- ▶ Suction splitter for stable inflows
- ▶ Low operating costs

## Construction Features

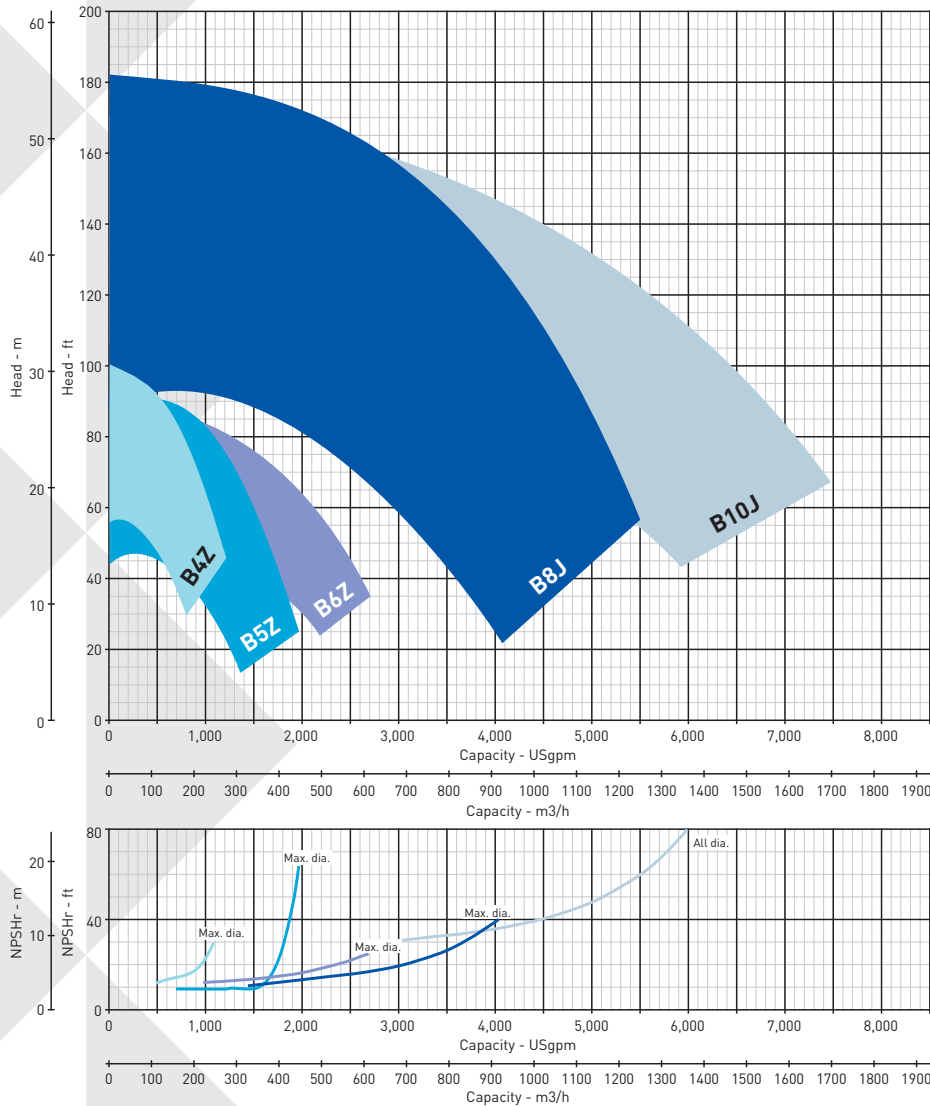
- ▶ 20,000 Hour bearing life
- ▶ Double volute
- ▶ Interchangeable seal chambers
- ▶ Dynamically balanced impeller
- ▶ Multiple vent and drain taps
- ▶ Replaceable stainless steel shaft sleeves
- ▶ Available with mechanical seal or graphite-impregnated PTFE packing
- ▶ High-quality lead-free/chromate-free primer and paint
- ▶ Heavy-duty bearings



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## Performance Curves

Nominal RPM: **1770**  
Based on Fresh Water @ **68 deg. F.**  
Maximum Working Pressure: **175 PSI**



Visit [www.berkeleypumps.com](http://www.berkeleypumps.com) and click the BEC2 icon to size the pump correctly for your application.

## Materials of Construction

Part Name	Material	Spec Number
Volute case-N1	Cast iron	ASTM A48 Class 30
Volute case-N2	Ductile iron	ASTM A536 Class 65-45-12
Impeller	Cast Iron	ASTM A48 Class 30
Seal Chamber	Cast Iron	ASTM A48 Class 30
Adaptor Bracket	Cast Iron	ASTM A48 Class 30
Shaft Sleeve	416 S.S.	AISI 416SS
Lantern Ring	Minlon®	

Part Name	Material	Spec Number
Mechanical Shaft Seal	18-8 S.S. metal parts. "Buna-N" rubber belows, ceramic stationary, carbon rotating face.	
Packing Gland	Cast Iron	ASTM A48 Class 30
Packing	PTFE packing with Graphite Impregnation	
Bearing Frame	Cast Iron	ASTM A48 Class 30
Bearing Frame Pump Shaft	Stress proof carbon steel	ASTM A311 Class B



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