



Leading Edge Performance. **FOR LIFE.**

WATER TRUCK PUMPS

OUTSTANDING PERFORMANCE AND RELIABILITY



PENTAIR BERKELEY® WATER TRUCK PUMPS



FEATURES

- ◆ Exceeds US Department of Energy regulations 10 CFR 429 and 431
- ◆ Discharge sizes range from 1-1/2"-6"
- ◆ Suction sizes range from 2"-8"
- ◆ Pump efficiencies up to 85%¹
¹Refer to Pentair BEC² Sizing Tool

PENTAIR BERKELEY PROVIDES

- ◆ Technical, engineering and aftermarket U.S. based support
- ◆ Robust designs with over 30 years of reliability
- ◆ Up to 20% higher discharge pressures², providing wider and further spray coverage when compared to competitors A and B
² Discharge pressures as measured at Best Efficiency Point (BEP) of the Pentair Berkeley B3ZRM
- ◆ Individually handled components from start to finish ensuring the highest quality
- ◆ Trained assemblers build pumps from individual components, check assembly tolerances, component quality and overall pump assembly integrity
- ◆ Hydrostatically tested pumps

KEY DURABILITY AND RELIABILITY FEATURES

- ◆ Lower required operating speed prolongs bearing life and reduces down time
- ◆ Casing has greater wall thickness at the discharge exit area for increased durability and reliability
- ◆ Reliable performance and operation due to high standards for design and manufacturing



COMPETITION VERSUS PENTAIR BERKELEY

Competitor A's comparable "B3ZRM" bracket



Flat mounting plate restricts vibration during operation and transit leading to likelihood of failure due to cracking or fractures.

Berkeley B3ZRM bracket



Features four individual mounting points, spreading out the load, greatly reducing the likelihood of cracks or fractures from the vibration of the pump and water truck.

Competitor B's comparable "B3ZRM" impeller



Thinner veins, sharper radii – design has higher likelihood of earlier failures due to wear and potential fractures or cracking.

Berkeley B3ZRM impeller



Strong, robust design with thicker veins, thicker radii and four individual mounting points for increased durability and reliability.

SPECIFICATIONS

PERFORMANCE

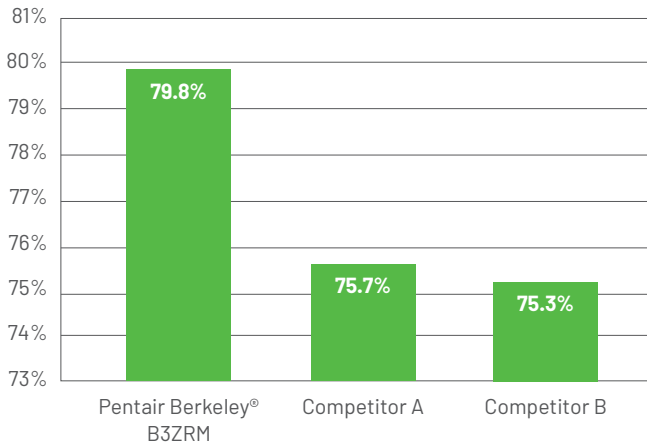
Name	Series	Flow Range (GPM)	Pressure (PSI) at BEP	PEI _{CL}	Impeller Diameter (in)
"Z" Series	B1-1/2Z_L	51 ~ 180	121	0.89	9.00
	B2Z_M	120 ~ 320	75	0.93	
	B2-1/2Z_L	192 ~ 620	180	0.95	
	B2-1/2Z_M	189 ~ 700	121	0.93	
	B3Z_M	259 ~ 940	65	0.98	
	B4Z_BH	505 ~ 1,640	79	0.96	
	B5Z_BH	681 ~ 2,260	67	0.96	
B6Z_BHH	989 ~ 3,800	59	0.96		
"J" Series	B4J_BH	480 ~ 1960	126	0.98	13.50
	B6J_BH	836 ~ 2670	65	0.99	
"Z" Series Self Priming	B4Z_KS	140 ~ 700	45	n/a	9.00

CONFIGURATION OPTIONS

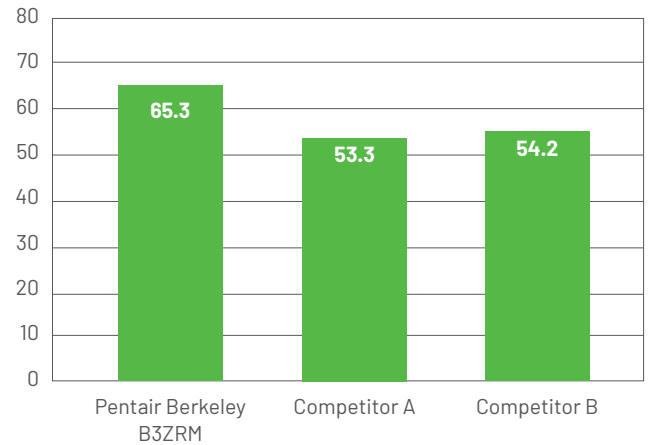
- ◆ Impellers – Clockwise and counterclockwise, cast iron or silicon bronze
- ◆ Packing or Mechanical seals (Optional seal materials available)
- ◆ Frame mount and SAE
- ◆ "Z" frames with integrated hydraulic flange
- ◆ Optional Hydraulic drive adapter
- ◆ Flanged, threaded or grooved connections
- ◆ Standard duty and heavy duty power frames
- ◆ Bare pumps assemblies (Pumpkins) available for quick in field pump replacement

Refer to Berkeley price sheet B1525P for a full listing on available models.

PUMP EFFICIENCY AT PENTAIR'S BEP*



DISCHARGE PRESSURE (PSI) PUMP EFFICIENCY AT PENTAIR'S BEP*



*Comparison of efficiency and discharge pressures are tested at BEP of the Pentair Berkeley B3ZRM

OPERATING FOR

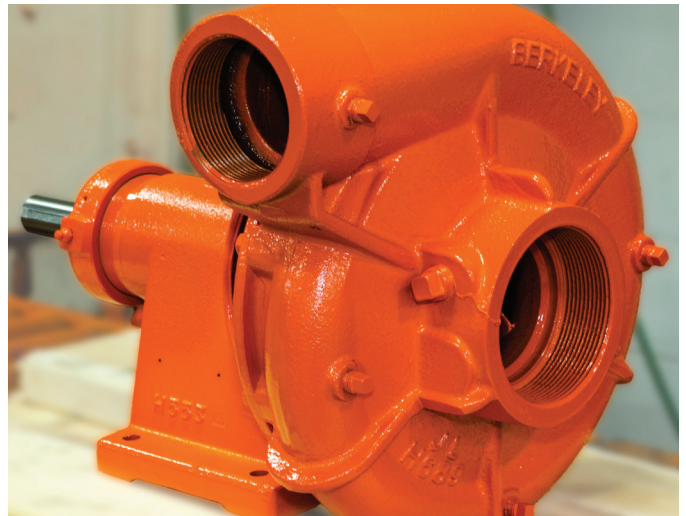
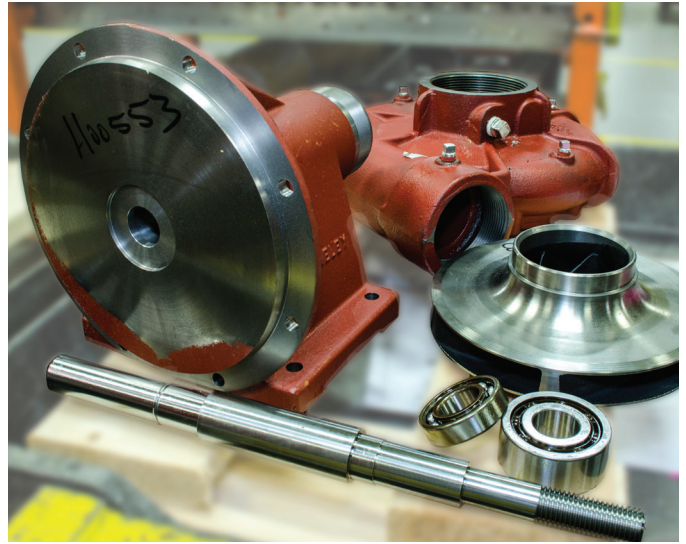
80+ YEARS



Over **100 years** of combined engineering experience



Over **200 years** of combined Customer Service and Technical Support experience



293 Wright Street | Delavan, WI 53115 | Ph: 888.237.5353 | Orders Fax: 800.321.8793 | www.pentair.com

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