



BERKELEY® 10VT, 12VT VERTICAL LINESHAFT TURBINE PUMPS

Continuing the legacy built by over 240 years of market leadership, superior design, quality, reliability and customer service from Fairbanks Nijhuis and Layne & Bowler, Berkeley is proud to introduce the 10VT and 12VT vertical lineshaft turbine pumps. Featuring heavy-duty, cast iron bowls, and investment-cast, 316 stainless steel impellers, the 10VT and 12VT models provide an outstanding solution for high head, low flow, irrigation applications. Product quality, dependability, and innovation are all part of the Berkeley commitment to excellence.



Shaft – 416 stainless steel

- Precision ground and polished for reduced running friction and increased durability
- 1.5" diameter for 10VT series
- 1-11/16" diameter for 12VT series

Discharge Case – Heavy-duty Class 30 cast iron

- Multiple thread size (6" and 8") and thread direction (Right and Left Hand) options
- Easy set-up (via pipe plugs) for Water Lube versus Oil Lube configuration

Bowls – Heavy-duty Class 30 Cast Iron

- Flanged Design
 - 10VT – (8), 1/2" bolts per bowl
 - 12VT – (12), 1/2" bolts per bowl
- Coated passages for increased efficiency

Impellers – Investment cast, 316 stainless steel

- Provides smoother, more precise vein profiles
- Dynamically-balanced for reduced vibration

Bowl bearings – Options include either bronze or rubber

Suction Bowl – Heavy-duty, Class 30 cast iron

- Options includes either a Suction Case or Suction Bell

10VT-250
10VT-300
12VT-500
12VT-600



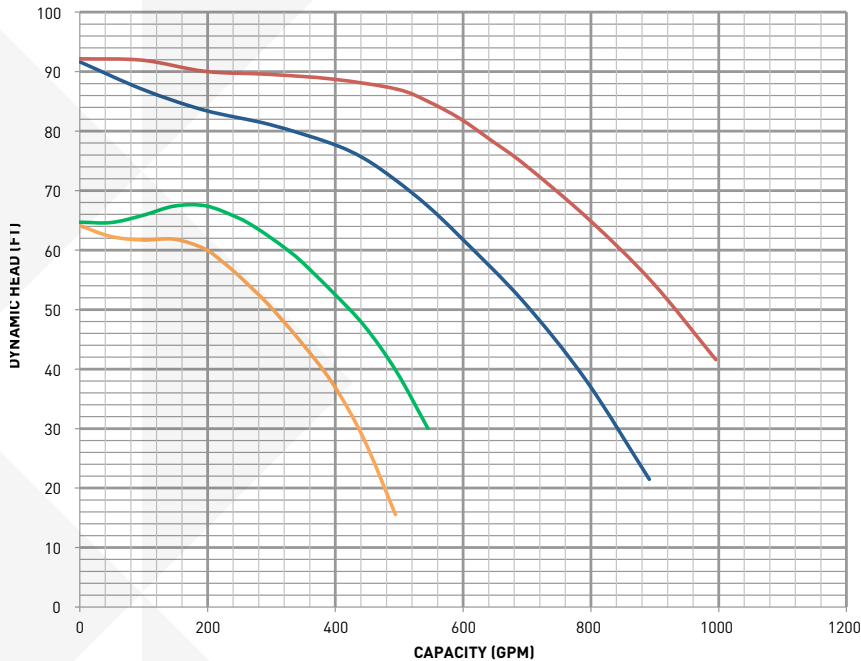
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MODEL	FLOW	HEAD/STAGE	EFFICIENCY	BOWL DIA
10VT-250	250	53.8	80.3	9.5"
10VT-300	300	60.3	79.4	9.5"
12VT-500	500	73	79.6	11.625"
12VT-600	600	83.2	81.4	11.625"

MATERIALS OF CONSTRUCTION		
COMPONENT	MATERIAL	REFERENCE
Shaft	416 stainless steel	AISI 416 stainless steel
Bowls, Discharge Cases, Suction Cases, Suction Bells	Cast Iron	ASTM Class 30
Impellers	316 stainless	AISI 316 stainless steel
Bearings, bronze	Cast Bronze	ASTM B505 C93200
Bearings, rubber	Rubber	EPDM, Neoprene or SBR
Sand collar	Cast Bronze	ASTM B505 C93200
Bowl hardware	Grade 5 Steel	SAE J429 GR-5

10VT and 12VT



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