

CORNELL PUMP COMPANY

HOT LIQUIDS

CORNELL PUMPS FOR HOT LIQUIDS



FEATURES AND BENEFITS

For more than 35 years, the Hot Liquids series has been utilized in over 40,000 installations with great success. Cornell's Hot Liquids pumps typically come equipped with a balance line that equalizes pressure between the impeller hub area and the pump suction. This feature reduces axial loading on the impeller, shaft, and bearings. Additionally, enclosed impellers offer top-notch efficiencies of up to 89%, while vapor suppression lines help to minimize entrained steam.

CORNELL PUMPS FOR HOT LIQUIDS

Cornell Pump's hot liquid pumps series features a durable build, time-tested design, and the trademark Cornell quality. These pumps are offered in sizes ranging from 1" to 10" and are manufactured in the United States. When it comes to longevity, Cornell's hot liquid pumps outlast their competitors. Furthermore, routine maintenance is hassle-free since parts are readily available off the shelf from Portland, Oregon.

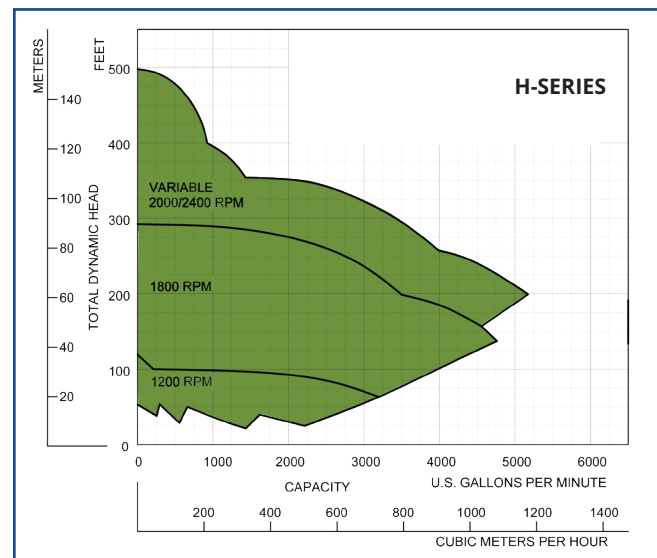
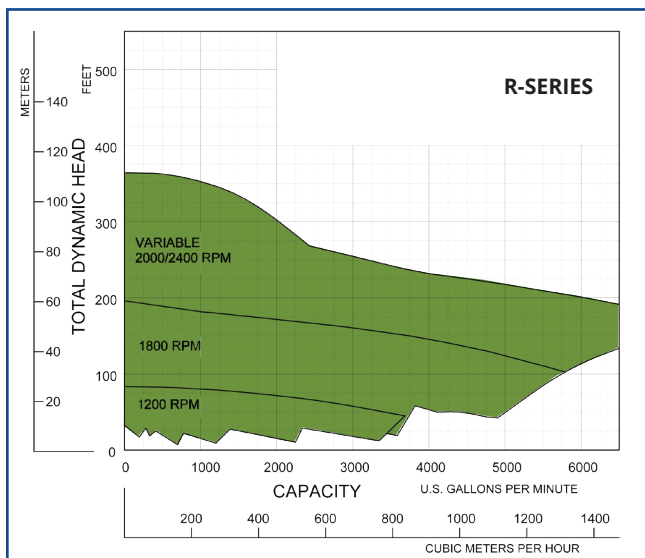
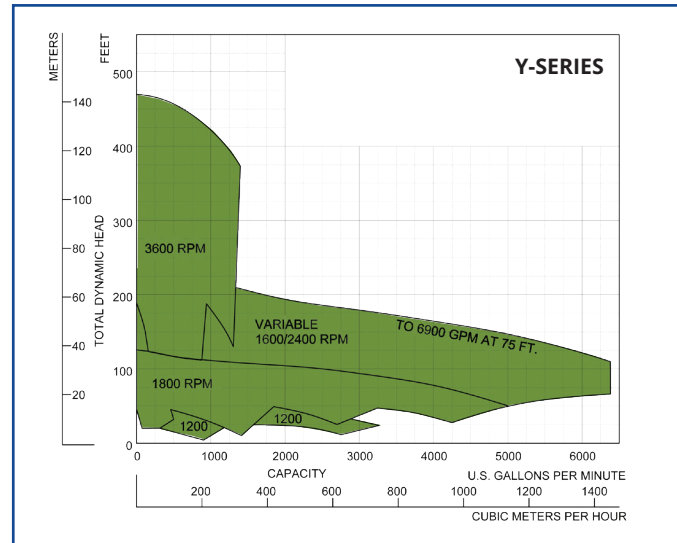
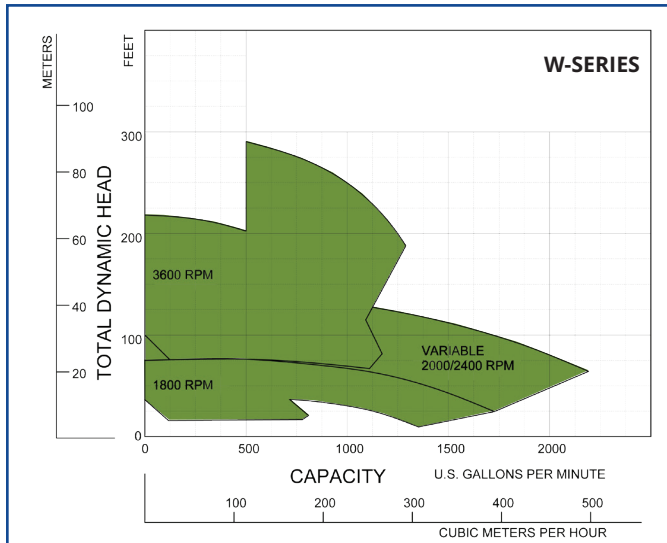
ALL HOT LIQUIDS PUMPS INCLUDE:

- All Iron Construction
- Temperatures up to 550°F / 288C*
- Metal Bellows high temperature mechanical seal
- High Efficiency Design
- Lower NPSH requirements
- Heavy-duty castings and bearings
- All units hydrostatic pressure tested
- Two-year warranty

OPTIONAL COMPONENTS

- Stainless steel impeller and wetted parts
- Custom paint / finishes
- Water-cooled seal seat

*requires water cooling gland or steam quench with grafoil seat



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MECHANICAL SHAFT SEAL

For high-temperature applications up to 550°F/288°C, the metal bellows mechanical shaft seal is a reliable option with an optional water-cooled seat. After many years of field testing, this shaft sealing method has proven to be optimized for hot liquid industrial processors and is the most reliable and cost-effective seal system available. The metal bellows seal provides superior performance in extreme temperature processing services, offering excellent metal dependability and more uniform bellows compression due to its bellows leaf construction.