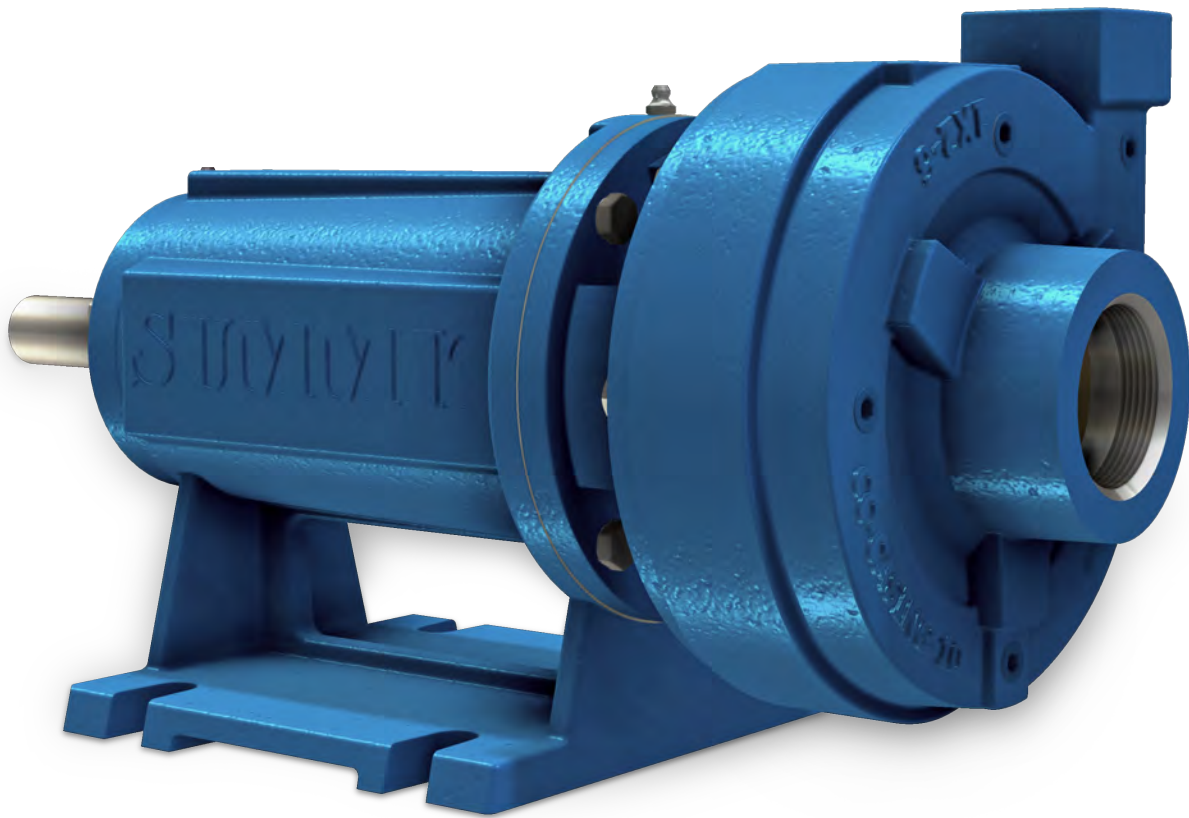


**SUMMIT**™

**FM**

**FM** **Frame Mounted  
Clean Water Pump**



**Frame Mounted  
Pump**



**SUMMIT**™  
**PUMP, Inc**

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# Features

SUMMIT™ FM pumps are horizontal, end suction, centrifugal pumps designed for general service such as clean water, solvents, light oils, non-corrosive chemicals, coolants and brines. Available in capacities to 2300 GPM heads to 440 feet, these pumps are an economical and dependable solution for your pumping needs. All flanges are 125lb ANSI B16.1 rating; NPT connections are standard on 6" and most 8" sizes. A renewable bronze shaft sleeve is standard on cast iron pumps and a 316ss shaft sleeve is standard on alloy pumps.

### Frame Mounted Pump - Model FM

Frame mounted pumps are constructed with a rigid bearing frame, flexibly coupled and mounted on a fabricated steel base with optional drip pan. The casing, adapters, and bearing frames share mating registers for maximum interchangeability. Coupling guards meet ASME B 15.1 specifications.

### Interchangeable Parts

Component parts of similar sizes are interchangeable with the Frame Mounted and Close Coupled Pumps. This means less spare parts inventory and fast delivery of required parts.

### Mechanical Seals

Type 1 seal is standard; constructed of Carbon vs. Silicon Carbide faces, FKM elastomers and stainless steel metal parts. The maximum operating temperature rating is 150°F with a standard seal in water. Optional seal materials are available for higher temperatures.

### 316ss Wet End Option

316ss wet ends are available for corrosive application. All wetted surfaces are constructed of 316ss including: Casing, Impeller, Adaptor, Sleeve, Washer, Impeller Screw and Key.

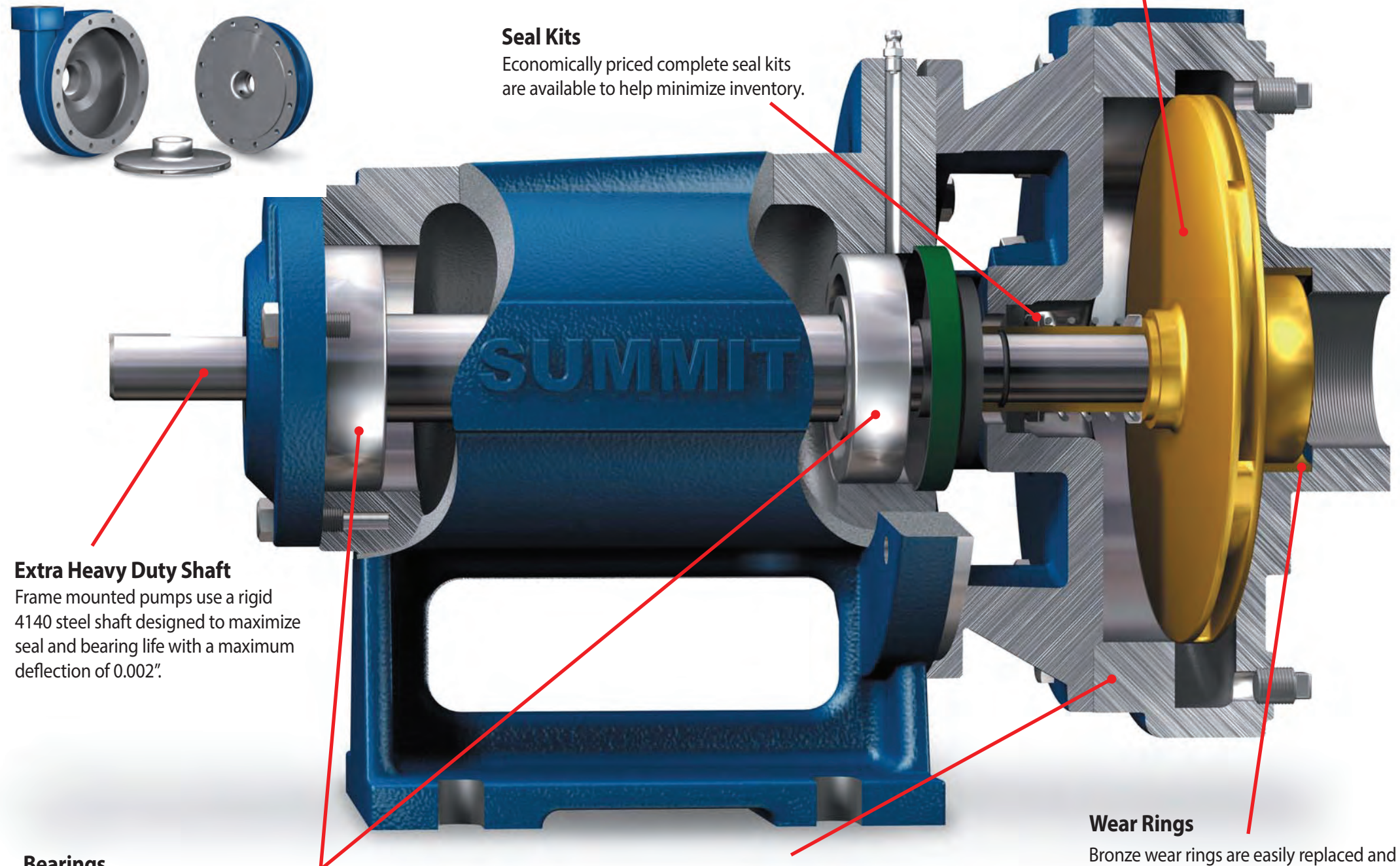


### Impeller

The enclosed impeller ensures the highest efficiency, and is hydraulically balanced which reduces axial thrust, and increases bearing life. The impeller is keyed and locked to the shaft.

### Seal Kits

Economically priced complete seal kits are available to help minimize inventory.



### Extra Heavy Duty Shaft

Frame mounted pumps use a rigid 4140 steel shaft designed to maximize seal and bearing life with a maximum deflection of 0.002".

### Bearings

Frame mounted pumps have regreaseable SKF single row deep groove ball bearings with a minimum B-10 life of 20,000 hours

### Casing Designed For Easy Maintenance

Back pull out design allows maintenance of bearing frame without disturbing the suction and discharge piping. Multiple casing discharge positions are possible.

### Wear Rings

Bronze wear rings are easily replaced and prevent casing wear. Rings are not required on 316ss wet ends.

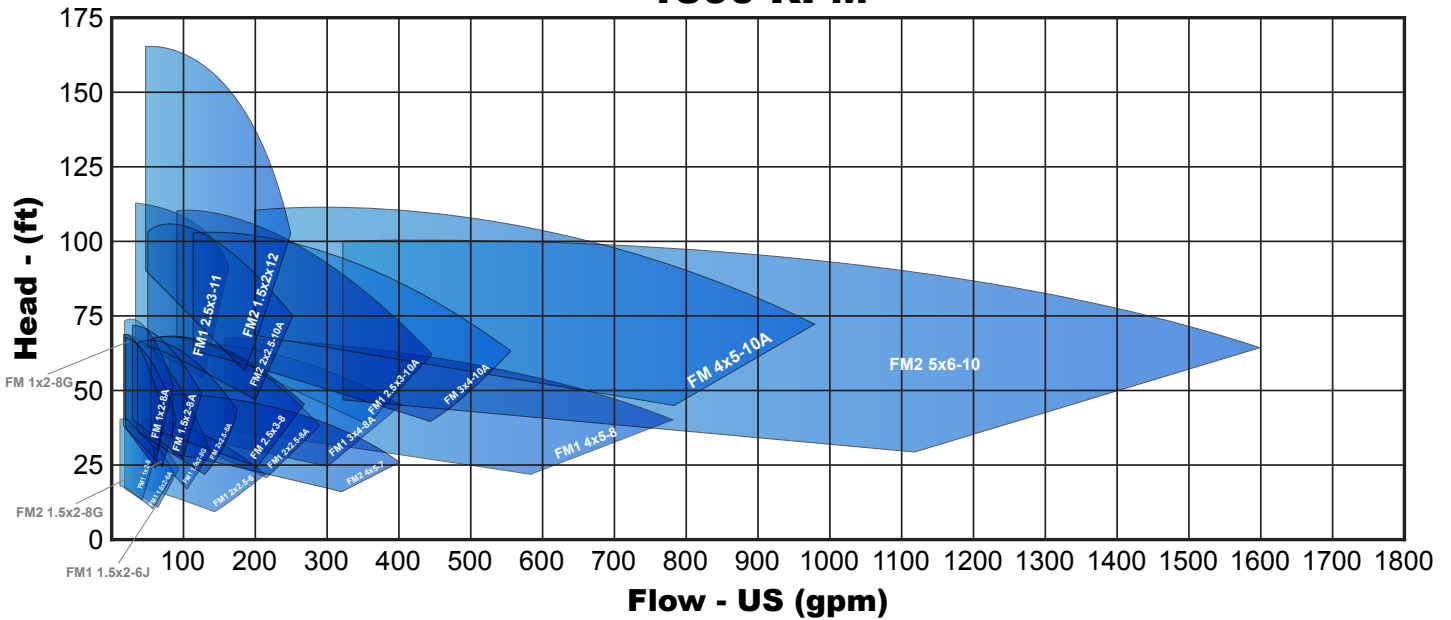


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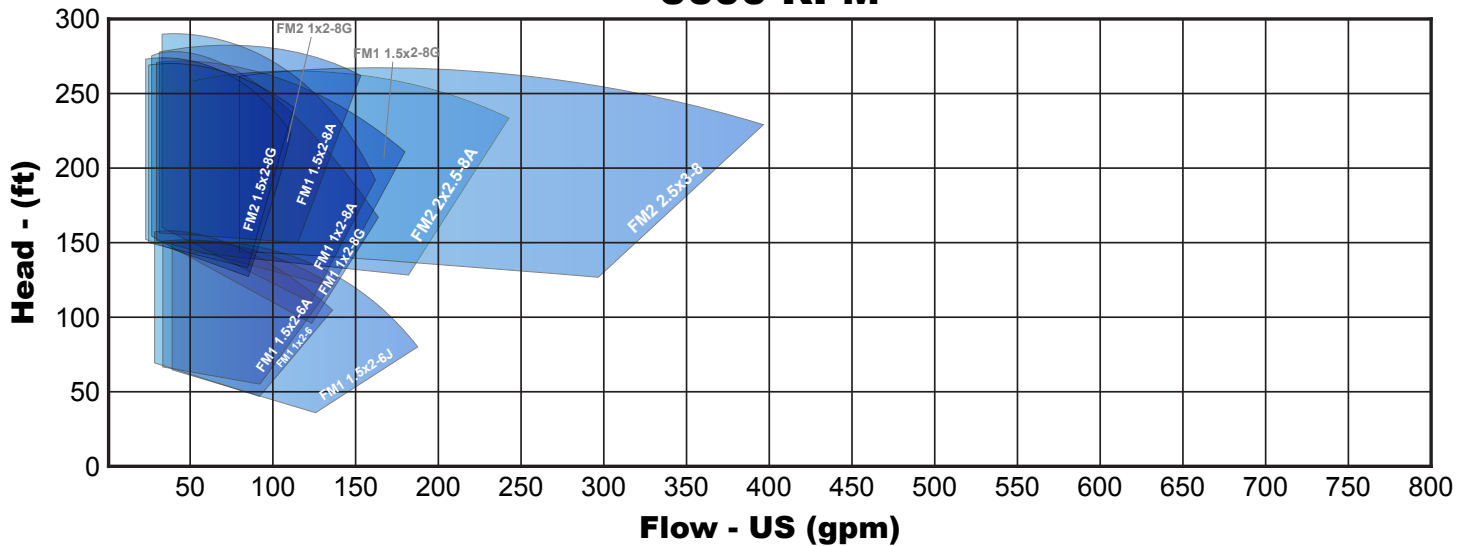
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# Performance

## 1800 RPM



## 3600 RPM



| Model No.                                 | FM1 1x2-6 | FM1 1.5x2-6A | FM1 1.5x2-6J | FM1 2x2-5-6 | FM2 4x5-7 | FM1 1x2-8A | FM2 1x2-8A | FM1 1x2-8G | FM2 1x2-8G | FM1 1.5x2-8A | FM2 1.5x2-8A | FM1 1.5x2-8G | FM2 1.5x2-8G | FM1 2x2-5-8A | FM2 2x2-5-8A | FM1 2.5x3-8    | FM2 2.5x3-8 | FM1 3x4-8A     | FM1 4x5-8      | FM2 2x2.5-10A  | FM1 2.5x3-10A  | FM1 3x4-10A    | FM2 3x4-10A    | FM1 4x5-10A    | FM2 4x5-10A    | FM2 5x6-10     | FM1 2.5x3-11 | FM2 1.5x2-12   |
|---|-----------|--------------|--------------|-------------|-----------|------------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|----------------|
| PEI <sub>CL</sub> 1800 RPM<br>(1440-2160) | *         | *            | *            | 0.98        | 0.99      | 0.89       | 0.85       | 0.91       | 0.95       | 0.90         | 0.93         | 0.96         | 0.93         | 0.96         | 0.99         | 0.90           | 0.95        | 0.94           | 0.95           | 0.89           | 0.95           | 0.96           | 0.97           | 0.97           | 0.99           | 0.94           | 0.98         | 0.91           |
| PEI <sub>CL</sub> 3600 RPM<br>(2880-4320) | 0.93      | 0.91         | 0.98         | RTF         | RTF       | 0.86       | 0.87       | 0.86       | 0.90       | 0.85         | 0.87         | 0.87         | 0.88         | 0.96         | 0.94         | Max<br>1800RPM | 0.94        | Max<br>1800RPM | Max<br>1800RPM | Max<br>1800RPM | Max<br>1800RPM | Max<br>1800RPM | Max<br>1800RPM | Max<br>1800RPM | Max<br>1800RPM | Max<br>1800RPM | RTF          | Max<br>1800RPM |
| Max Impeller Dia. (in)                    | 6.00      | 6.00         | 6.00         | 6.00        | 7.00      | 8.00       | 8.00       | 8.00       | 8.00       | 8.00         | 8.00         | 8.00         | 8.00         | 8.00         | 8.00         | 8.00           | 8.00        | 8.00           | 8.00           | 10.00          | 10.00          | 10.00          | 10.00          | 10.00          | 10.00          | 10.00          | 10.50        | 12.00          |

\*Outside of DOE Scope