

# SUMMIT™

# CC & FM



## Close Coupled & Frame Mounted Pumps



**SUMMIT™**  
**PUMP, Inc**

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# Features

Summit CC & FM pumps are horizontal, end suction, centrifugal pumps designed for general service such as water, solvents, light oils, non-corrosive chemicals, coolants and brines. Available in capacities to 2300 GPM and heads to 200 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 8" sizes. A renewable bronze shaft sleeve is standard on cast iron pumps, and a 316SS shaft sleeve is standard on alloy pumps.

## Close Coupled Pump - Model CC

The close coupled pump is directly mounted to a NEMA "C" face motor, and designed to use minimal space. Motors with TEFC frames use a standard mechanical seal (JM frame), or packing (JP frame). ODP motors, and stainless steel shafts are optional.

## 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. Casings, adaptors, 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 between frame mounted and close coupled pumps. This means less spare parts inventory and fast delivery of required parts.



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## 316ss Wet End Option

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



## Mechanical Seals

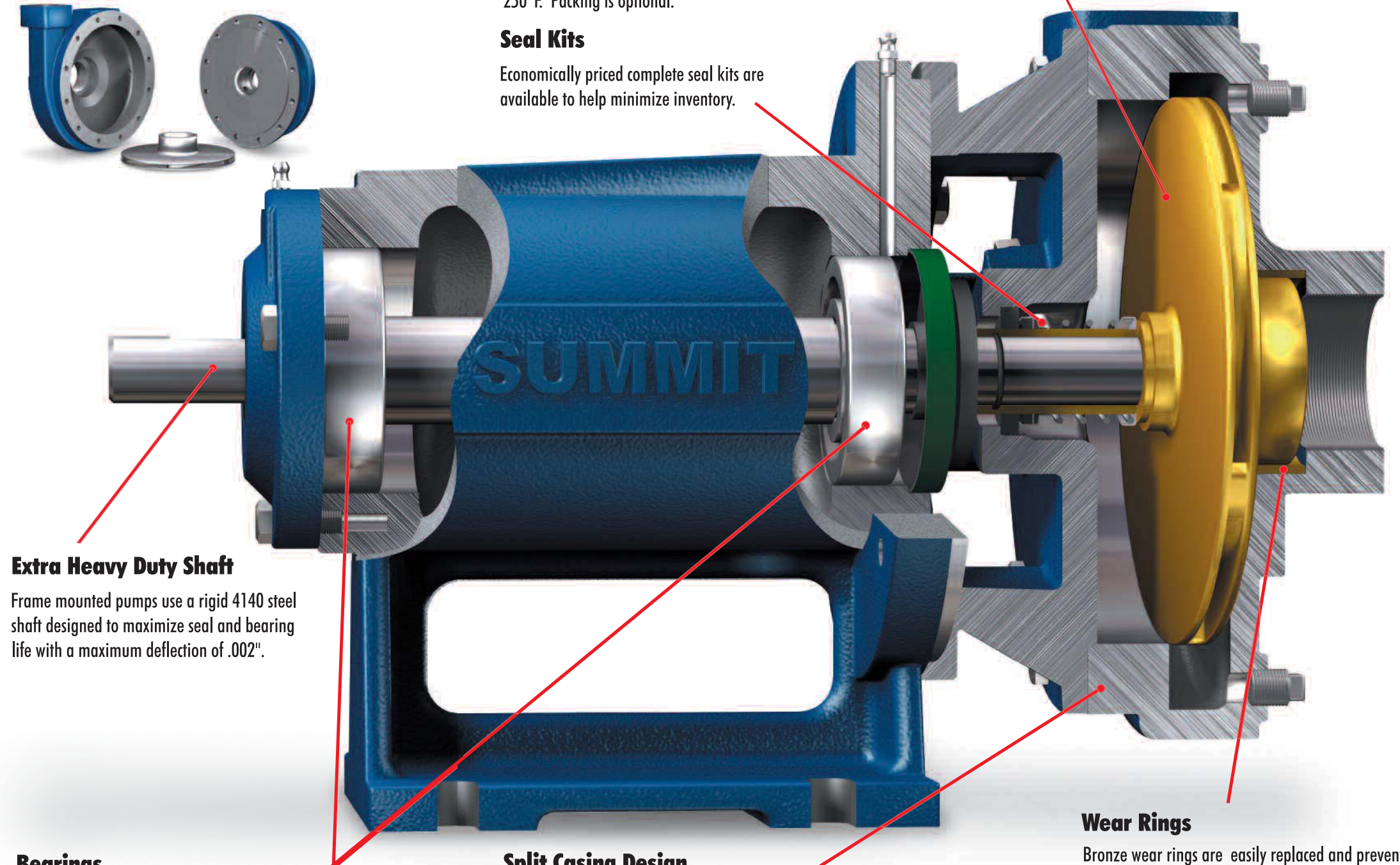
Type 1 seal is standard; constructed of Carbon vs. Silicon Carbide faces, viton elastomers and stainless steel metal parts. The maximum operating temperature rating is 250°F. Packing is optional.

## Seal Kits

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

## 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.



## 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 .002".

## Bearings

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

## Split Casing Design

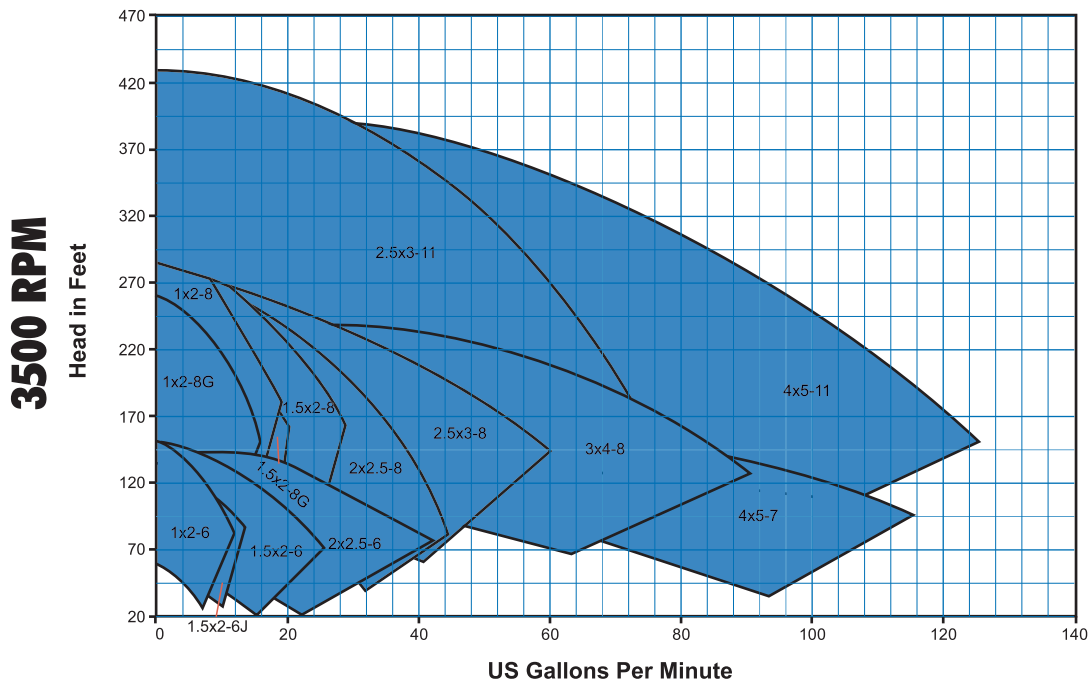
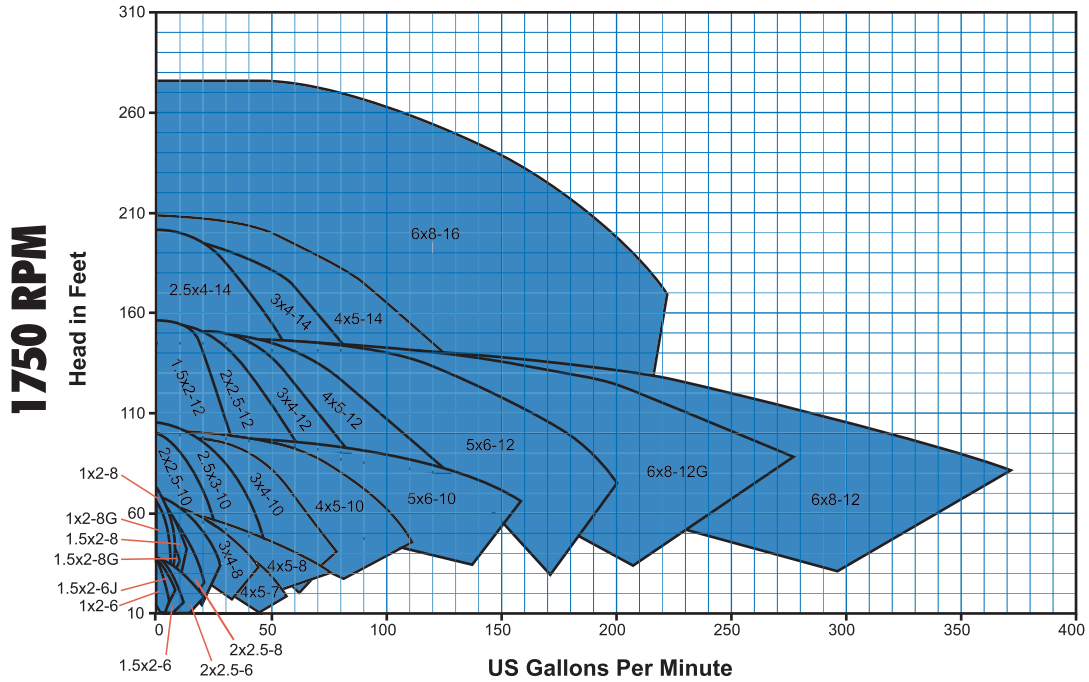
Back pull out design allows maintenance of bearing frame without disturbing the suction and discharge piping. Eight casing discharge positions are possible.

## Wear Rings

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



# Performance



## Maximum Working Pressures

Maximum Working Pressure	Liquid Temperatures
175 PSIG	0°F – 150°F
165 PSIG	151°F – 200°F
155 PSIG	201°F – 250°F