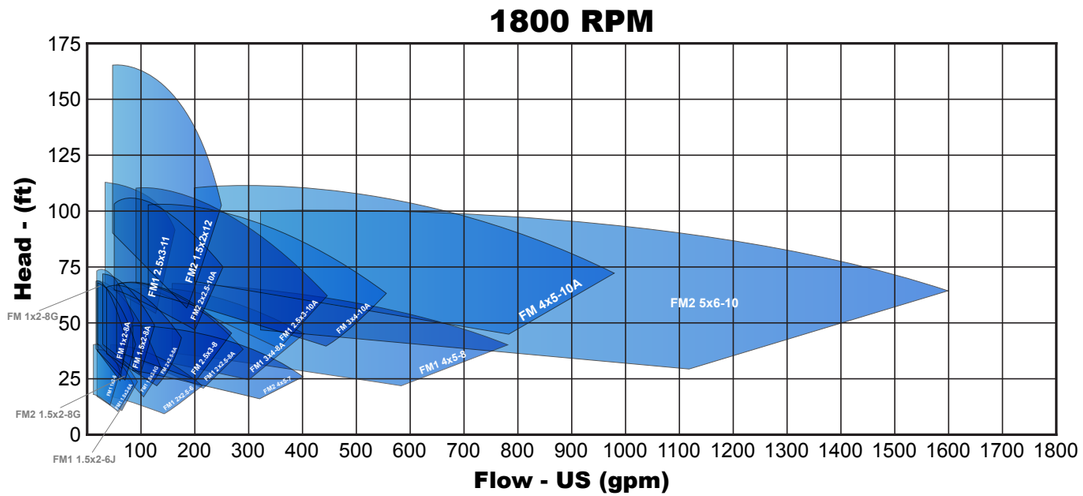
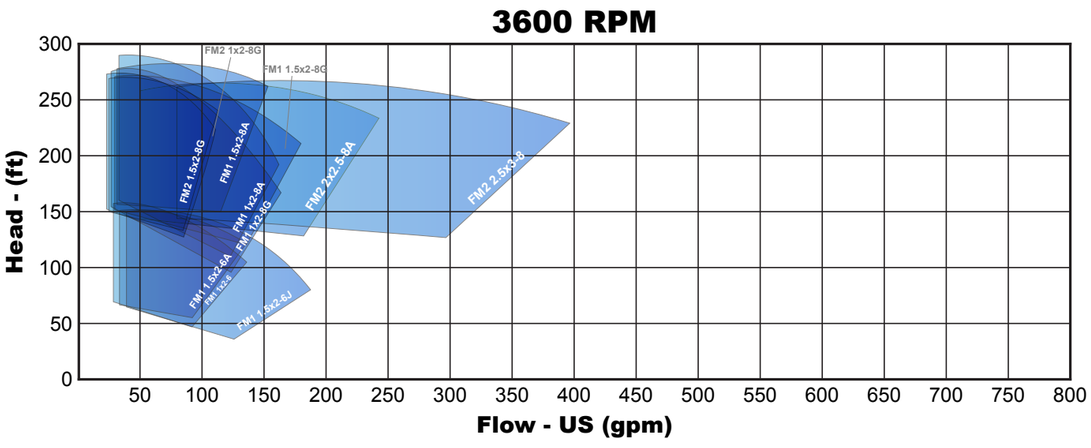
FM Performance/Sizing Charts

Performance





Model No.	FM1-1x2-6 / -316SS	FM1-1.5x2-6A / -316SS	FM1-1.5x2-6J / -316SS	FM1-2x2.5-6 / -316SS	FM2-4x5-7 / -316SS	FM1-1x2-8A / -316SS	FM2-1x2-8A / -316SS	FM1-1x2-8G / -316SS	FM2-1x2-8G / -316SS	FM1-1.5x2-8A / -316SS	FM2-1.5x2-8A / -316SS	FM1-1.5x2-8G / -316SS	FM2-1.5x2-8G / -316SS	FM1-2x2.5-8A / -316SS	FM2-2x2.5-8A / -316SS	FM1-2.5x3-8 / -316SS	FM2-2.5x3-8 / -316SS	FM1-3x4-8A / -316SS	FM2-3x4-8A / -316SS	FM1-4x5-8 / -316SS	FM1-2x2.5-10A / -316SS	FM2-2x2.5-10A / -316SS	FM1-2.5x3-10A / -316SS	FM2-2.5x3-10A / -316SS	FM1-3x4-10A / -316SS	FM2-3x4-10A / -316SS	FM1-4x5-10A / -316SS	FM2-4x5-10A / -316SS	FM2-5x6-10 / -316SS	FM1-2.5x2-12 / -316SS	FM2-2x2.5-12 / -316SS	FM2-3x4-12 / -316SS
PEICL1800 RPM (1440-2160)	*/*	*/*	*/*	0.93 / 0.95	0.99 / 0.99	0.92 / 0.92	0.85 / 0.85	0.91 / 0.91	0.95 / 0.95	0.99 / 0.85	0.97 / RTF	0.93 / 0.91	RTF / 0.95	0.94 / 0.94	0.98 / 0.91	0.97 / 0.97	0.98 / 0.98	0.96 / 0.97	1.00 / 0.98	N/A / 0.99	0.95 / 0.95	0.89 / 0.89	0.96 / 0.96	0.97 / 0.97	0.96 / 0.97	0.97 / 0.96	0.97 / 0.97	0.99 / 0.99	0.97 / 0.96	0.91 / 0.81	0.96 / RTF	0.95 / 0.94
PEICL 3600 RPM (2880-4320)	0.95 / 0.95	0.92 / 0.92	0.98 / 0.98	0.97 / 0.95	RTF / RTF	0.86 / 0.86	0.87 / 0.87	0.86 / 0.86	0.90 / 0.90	0.91 / 0.83	0.90 / 0.85	0.88 / 0.86	0.95 / 0.85	0.91 / 0.91	0.92 / 0.88	Max 1800RPM	0.98 / 0.98	Max 1800RPM	0.99 / 0.99	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 1800RPM	Max 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	8.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	12.00	12.00	12.00

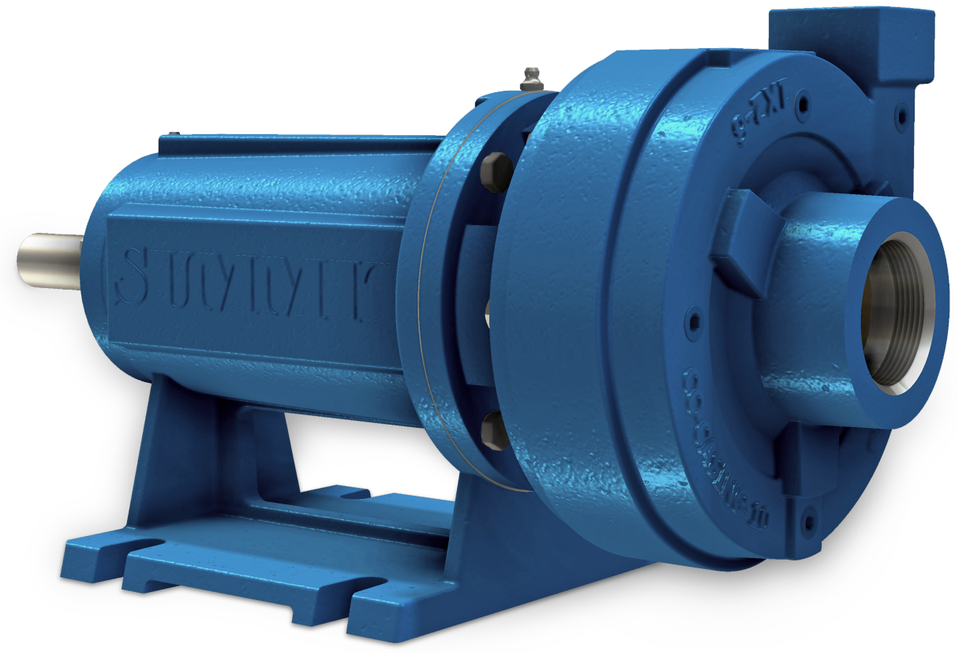
*Outside of DOE Scope

Issue published: April 2025

SUMMIT™

FM

FM Frame Mounted Clean Water Pump



Frame Mounted Pump

SUMMIT™
PUMP, Inc
www.SUMMITPUMP.com

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

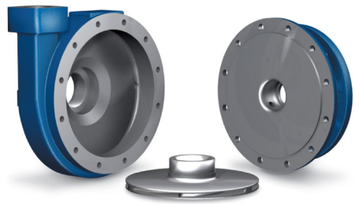
Type 1 seal is standard; constructed of Carbon vs. Silicon Carbide faces, FKM elastomers and stainless steel metal parts. The maximum operating temperature rating is 150°F with a standard seal in water. Optional seal materials are available for higher temperatures.

SUMMIT™ PUMP, Inc

www.SUMMITPUMP.com

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.