

Fristam **PUMPS®**

Engineered For Lasting Performance®



FP

FPX

FPR



Sanitary Centrifugal Pumps

Fristam Pride

Fristam is a global manufacturer of sanitary centrifugal and positive displacement pumps, mixers and blenders respected for unmatched performance, reliability, and technical superiority.

Fristam manufactured its first pump in 1931. Today, Fristam equipment is used by many of the world's top dairy, beverage, brewing, bio-pharmaceutical, and food processing companies.

High Lifetime Value

The solid design, precise machining, and robust construction of a Fristam pump ensures efficiency and operational reliability. Fristam pumps simply run better and last longer.

Quality Control

Fristam Pumps USA designs, manufactures, and assembles its pumps in the United States. Each component is carefully checked from raw material through final assembly. The result of this effort is a pump worthy of the valuable product your company produces. To achieve the highest level of quality, Fristam offers the most comprehensive testing and documentation packages in the sanitary pump industry.



**Designed, Manufactured &
Assembled in Middleton, WI**



Experience and Expertise

Over the past 100 years, Fristam has built its reputation with experience, attention to detail, and a willingness to adapt to changing needs. Fristam's strong applications engineering capabilities make it the most reliable source for straight, smart answers to process needs.

Fast Delivery, New Solutions

Manufacturing in the United States ensures Fristam customers receive prompt delivery, not lead times measured in months.

Additionally, if a new production challenge arises, Fristam is responsive and able to develop new solutions quickly.

Dedicated Support

Fristam's dedication and quality service do not end with your initial purchase. An international network of manufacturing facilities, sales offices and distribution supports Fristam's commitment to customer satisfaction.

Why Customers Choose Fristam

"simply better pumps"

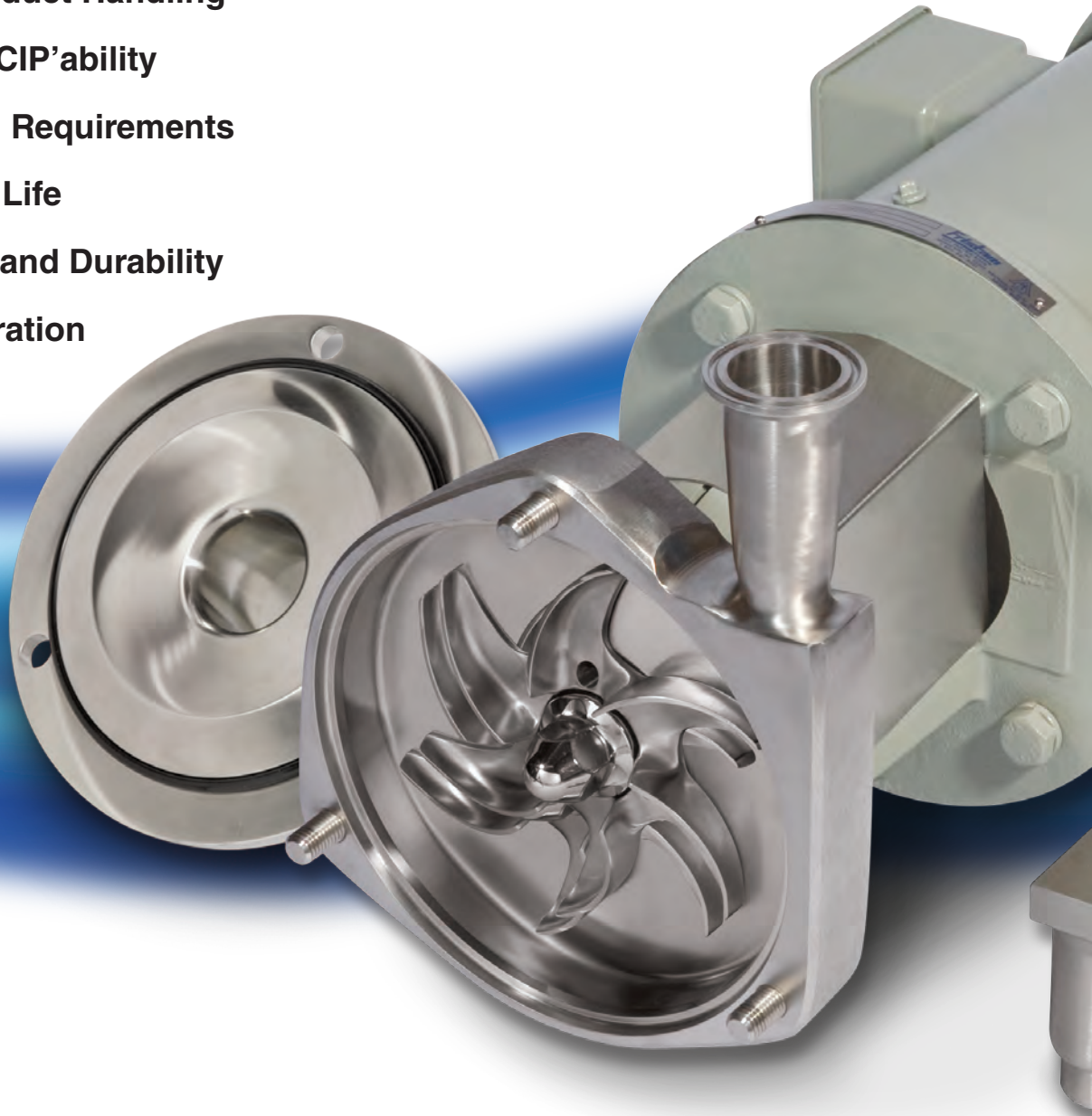
"reliable, dependable"

"high standard for sanitization and performance"

"knowledgeable people who help solve problems"

Fristam Centrifugal Lifetime Value

- High Efficiency
- Low Maintenance
- Gentle Product Handling
- Complete CIP'ability
- Low NPSH Requirements
- Long Seal Life
- Reliability and Durability
- Quiet Operation



FRISTAM
Engineered For Lasting Performance®

“Fristams are the best pumps going.”

– Maintenance Manager, Dairy Plant



Heavy-Duty Construction

Fristam centrifugal housings, covers, and impellers are made from 316L stainless steel castings and forgings for more substantial mass. Other centrifugal manufacturers use thinner stamped or pressed steel.

Due to its solid construction, a Fristam can withstand more hydraulic shock and cavitation which can ruin a pump.

Internal Seal

Fristam's unique internal seal uses the cooling and lubrication of the product to provide longer seal life.

Close Internal Clearance

Internal clearances are as tight as 0.020 inches, making the pumps highly efficient and very gentle on product.

Optimized Impeller

The 'optimized vane angle' design of Fristam impellers maximizes efficiency and allows for low NPSH requirements. A Fristam centrifugal runs smoothly and quietly.

Fristam Centrifugal Pumps Specifications

Models: 26 (each series)

Motor Size: up to 100 HP

Flow Rate: up to 2000 GPM

Viscosity: up to 1200 CPS

Inlet Pressure: up to 150 PSI

Discharge Pressure: up to 450 ft. head / 195 PSI

Seal Life Measured in Years

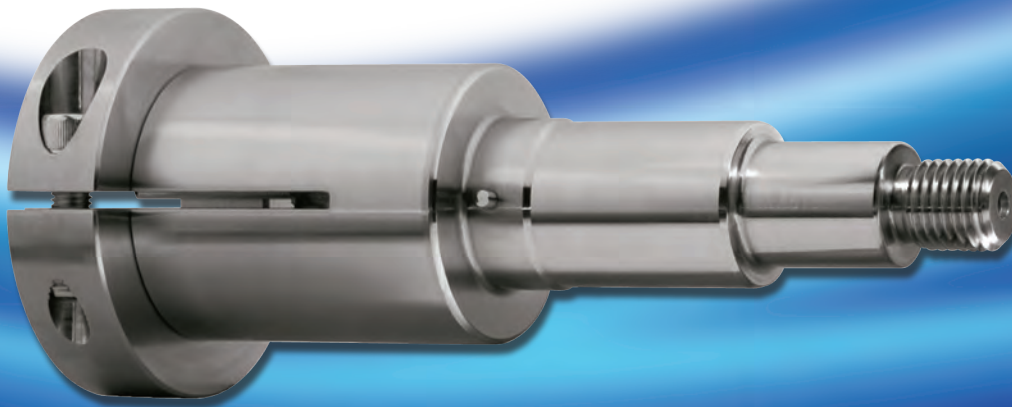
Seal life is critical to pump performance. Fristam's unique internal seal uses the cooling and lubrication of the product to provide longer seal life.

Even under extreme conditions, Fristam's seal life is often measured in years. Some companies have tried to copy Fristam seal designs. None can match the quality and performance of an original Fristam seal.

Easy Maintenance

Self-Aligning Shaft

The self-aligning Fristam shaft design allows for easy installation and gapping. The concentric collar on the shaft prevents run-out, protecting from seal damage.



Simple Tools

No special tools are needed to service Fristam centrifugal pumps.

The Evolution of Fristam Centrifugal Pumps

The FP Series is the original Fristam pump which established the standards for high performance centrifugals. The success of the FP led satisfied customers to request a Fristam pump for less severe applications. The result was the FPX, a pump combining the same pump head with a modified mounting flange and shaft. Since its introduction, the FPX has become an industry standard for most general applications.



Single or Double Seal
Pedestal-Mounted for Heavy Duty

FP

The FP's heavy cast iron pedestal reduces noise and vibration and helps dissipate heat.

Its double mechanical seal option offers flexibility for vacuum withdrawal, aseptic processing, and abrasive products.



Single Seal Only
Standard Duty

FPX

Available in single seal only, the FPX is the pump of choice for standard applications, including product transfer; CIP supply; and pumping to fillers, separators, and heat exchangers.

FPR Front-Loading Seal

In 2004, Fristam Pumps again responded to user requests for a centrifugal pump that continued the legacy of the FP and FPX, but offered a new feature to make maintenance even easier: a front-loading seal.

Today, processors can choose from all three series for maximum flexibility.

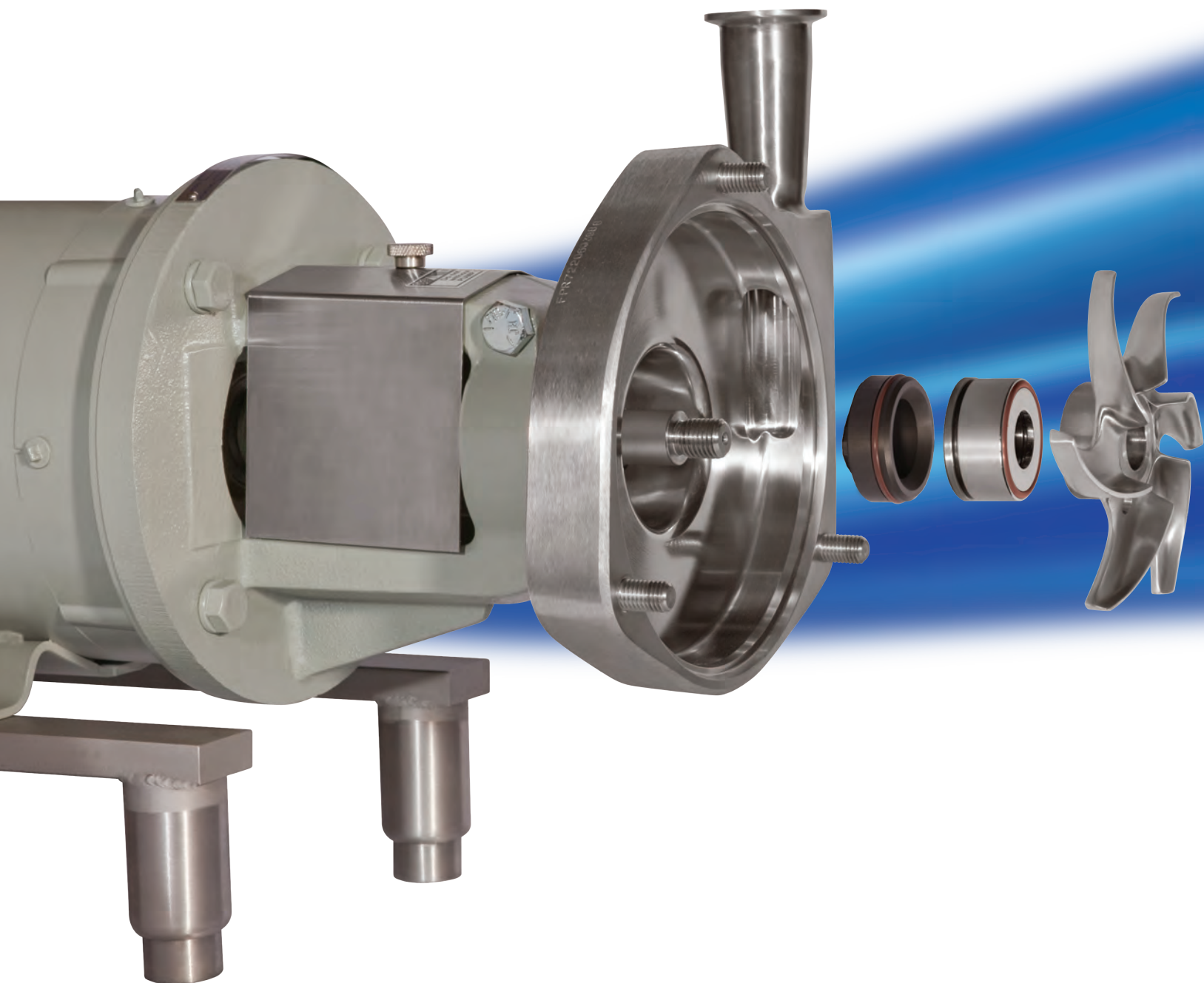


Single or Double Seal
All Duties

FPR: Fast, In-line Seal Changes

FPR Series centrifugal pumps reduce maintenance time and effort. Designed with a front-loading seal, the FPR allows production personnel to service the pump in place—processors no longer need to pull pumps out of line to change seals, single or double.

Simply remove the cover and impeller, and the rotating and stationary seals can be removed by hand. There is no need to disassemble the housing from the pump.



FPR: Less Maintenance Inventory

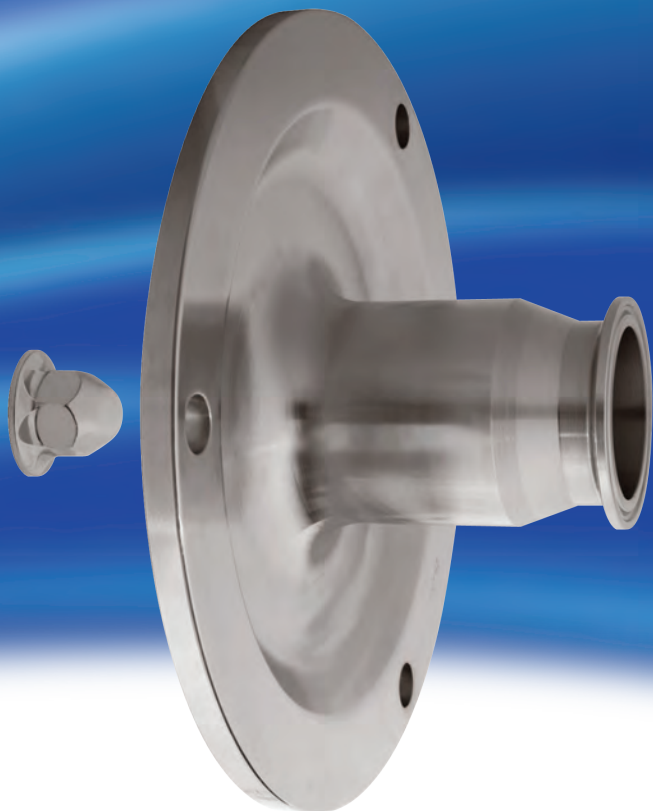
Only two seal sizes are needed to fit all models (except 4001, see below). For each pump model, seal size remains the same regardless of motor size.

Fristam pump shafts are designed to fit both the single and double mechanical seal arrangements. This reduces the number of shafts needed to stock for spare parts.

High Flow FPR 4001

For large capacity processing, the FPR 4001 can achieve flow rates of up to 2000 gallons/minute.

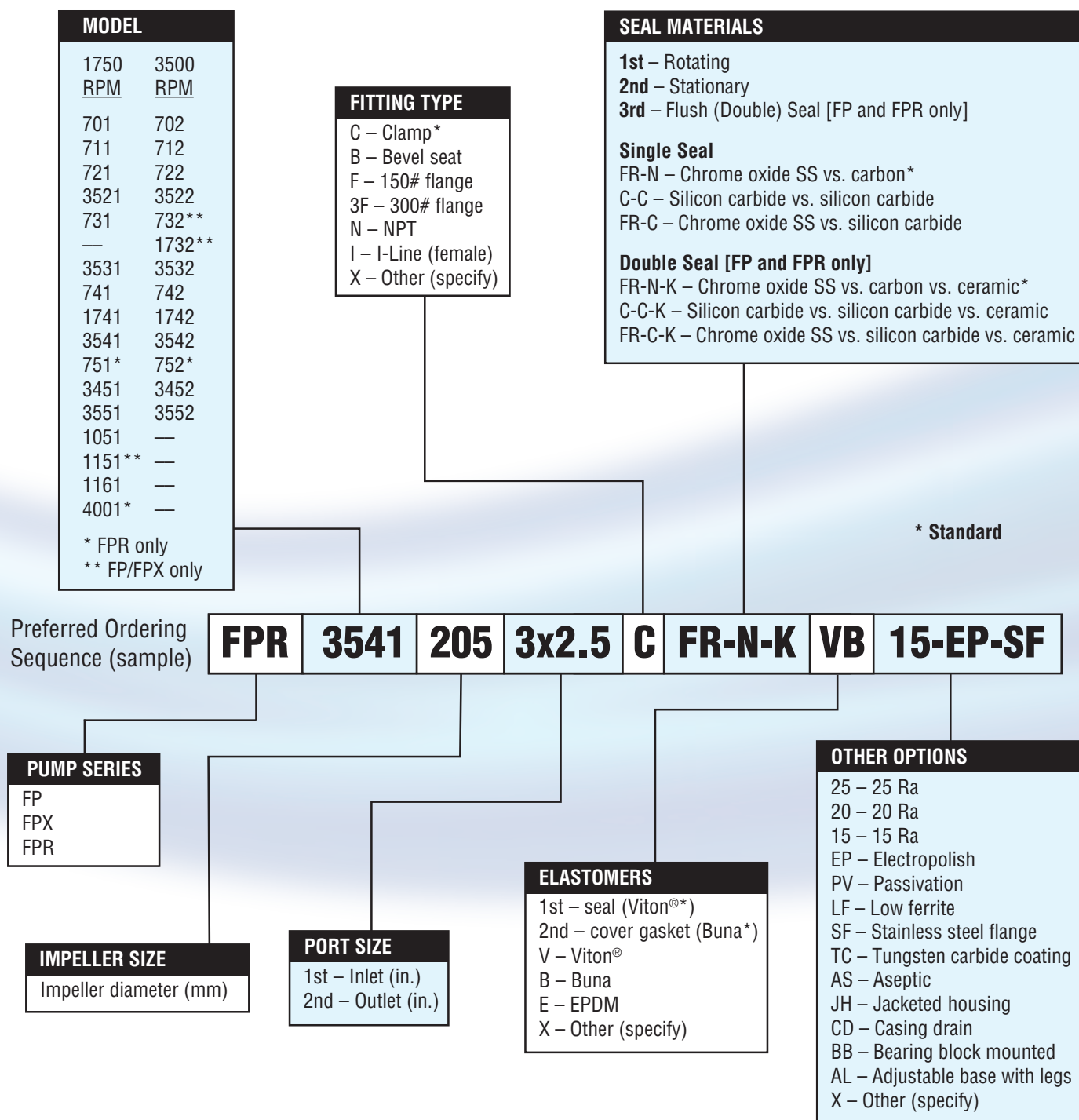
Its 6-inch inlet and 14-inch impeller make it ideal for moving large amounts of non-viscous liquid.



“...reliable, easy maintenance, very good centrifugal pump...”

– Maintenance Planner, Pharmaceutical Facility

Fristam Centrifugal Options and Ordering Matrix



Fristam Centrifugal Specialty Pumps

- Water for Injection
- Aseptic
- Jacketed Housing

Pharmaceutical Options

All standard stainless steel components are 316L. Special castings are available in low-ferrite stainless steel or high-performance alloys such as Hastelloy® and AL-6XN®. Class VI elastomers are standard for pharmaceutical applications, with perfluoroelastomers available. Seal materials include stainless steel, ceramic, silicon carbide, and tungsten carbide.

Electropolishing and enhanced internal surface finishes to 15 Ra are available on most products.

Casing drain and mounting options provide complete drainability critical for long-term system cleanliness. Pumps can be easily configured for steam-in-place sterilization, with no external cooling devices required.

Water For Injection (WFI) Pumps

Fristam is the industry leader for WFI and other high purity service. Fristam WFI centrifugal pumps are a precision adaptation of our FP, FPX, and FPR pumps. They feature an advanced seal design that protects product sterility, saves valuable product and provides for long seal life.

Fristam pioneered a pressurized double seal flush system that ensures product sterility and saves valuable product by maintaining positive pressure in the critical seal area. The internal seal design provides extra cooling and lubrication on the front seal face to significantly extend seal life and provide for more system uptime.

Numerous seal and piping configurations, including single seal piping, are available to meet your processing requirements.



Comprehensive Documentation Package

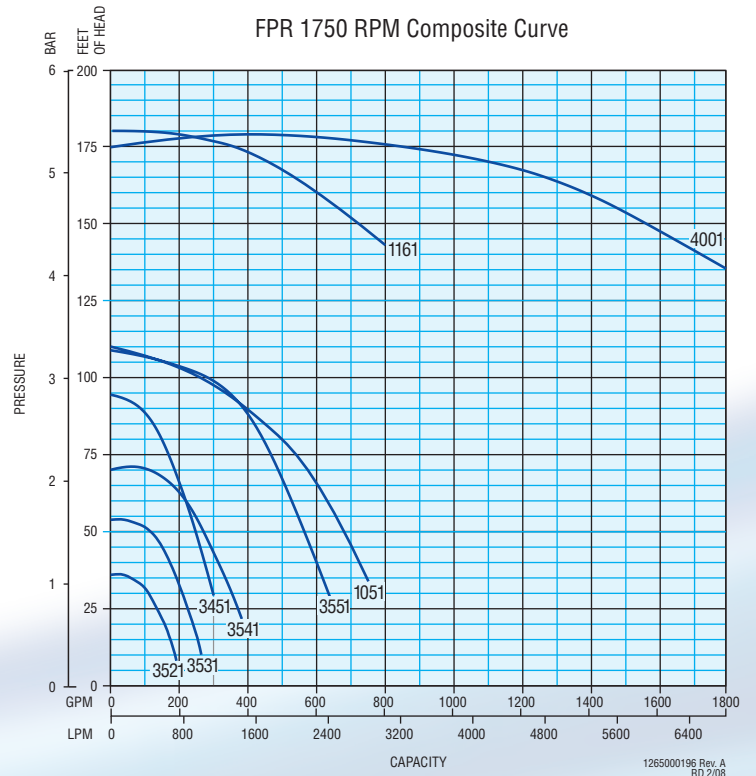
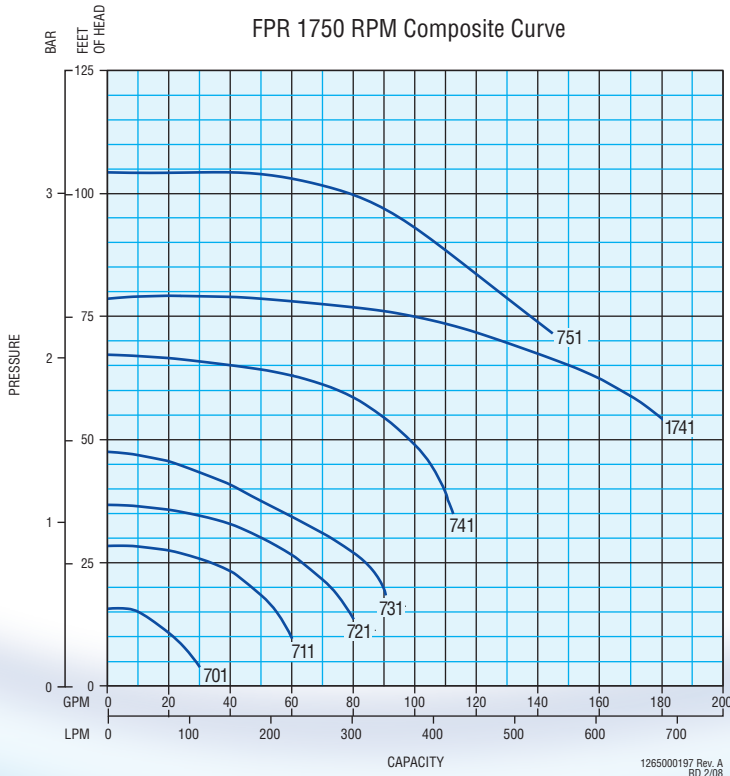
- Certified Drawings
- Mill Certification
- Physical Certifications
- Material Verification
- Conformance
- Warranty Statement
- Certified Finish
- Passivation of Pump
- Stainless Steel Tag
- Paper Location Tag
- Certified Welding
- Hydrostatic Test
- Dynamic Seal Test
- Short Run Test
- Performance Test
- NPSH Test
- Witness Test
- Vibration Test
- Ferrite Test
- Saline Test
- Seismic Calculation

Mission Statement

To be the leader in achieving total customer satisfaction by providing the highest value pumps and “Whatever-it-takes” customer service.

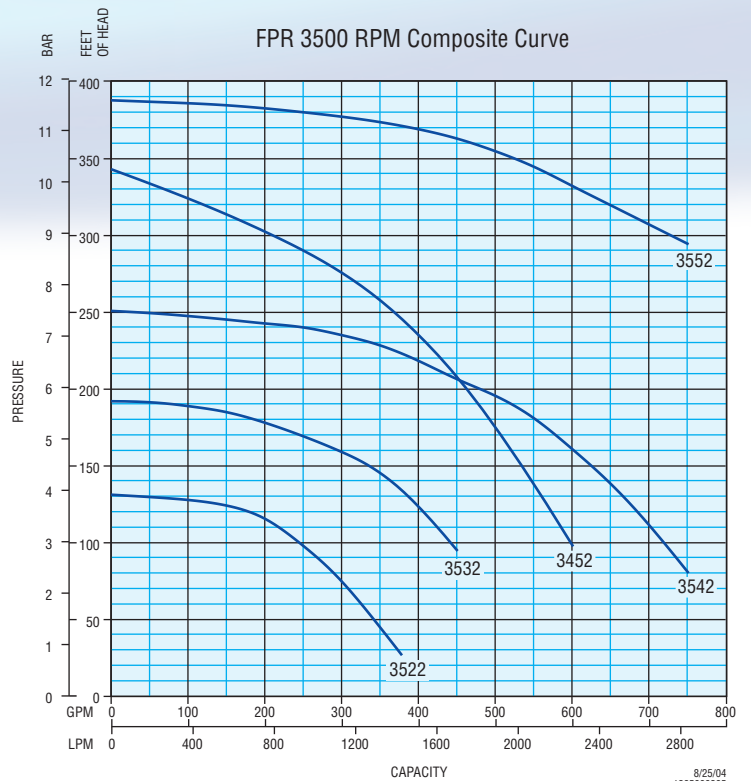
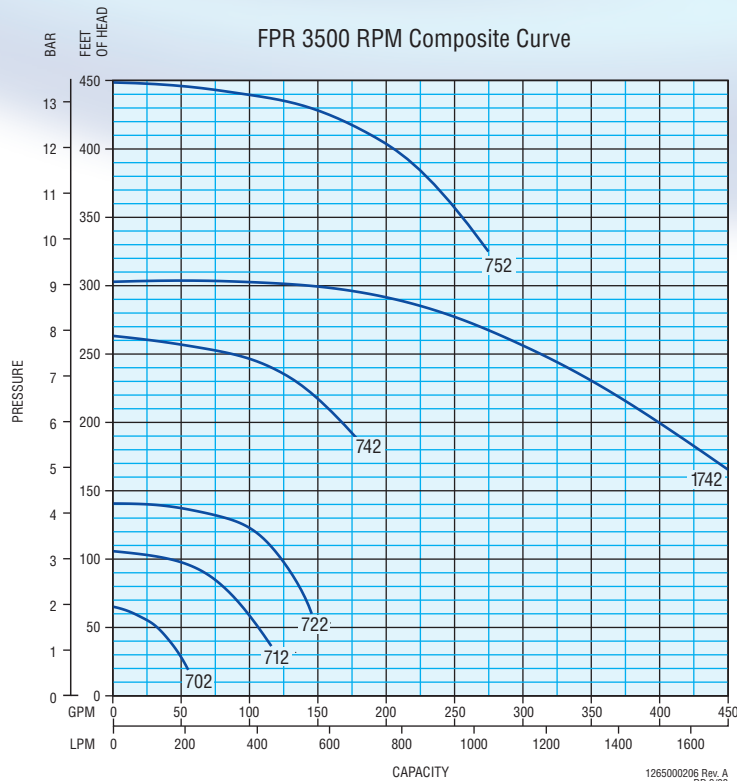
FPR Composite Performance Curves—1750 RPM*

Performance curves based on tests using 70° water. Actual performance may vary by application or product.



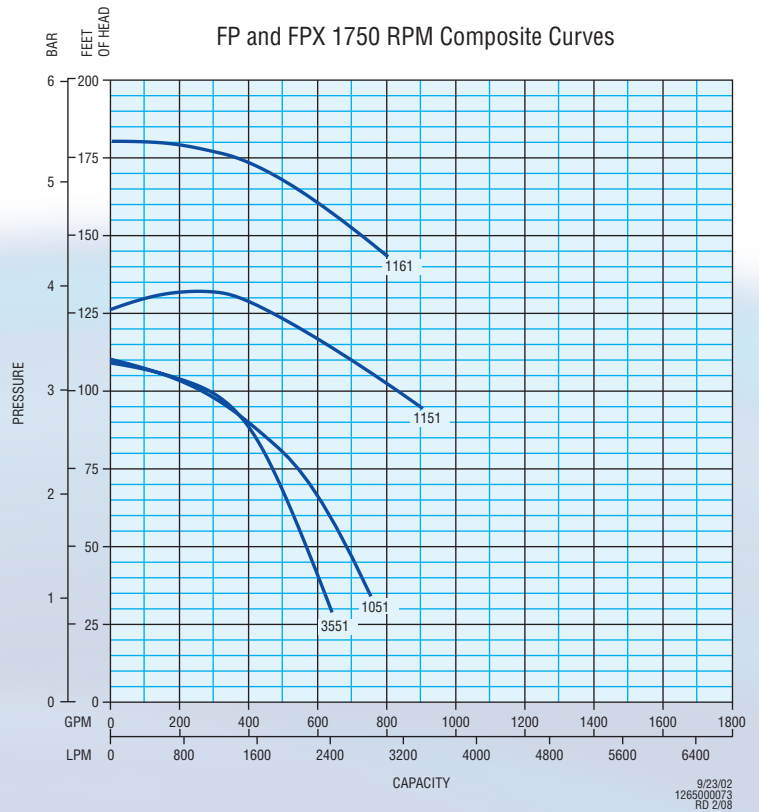
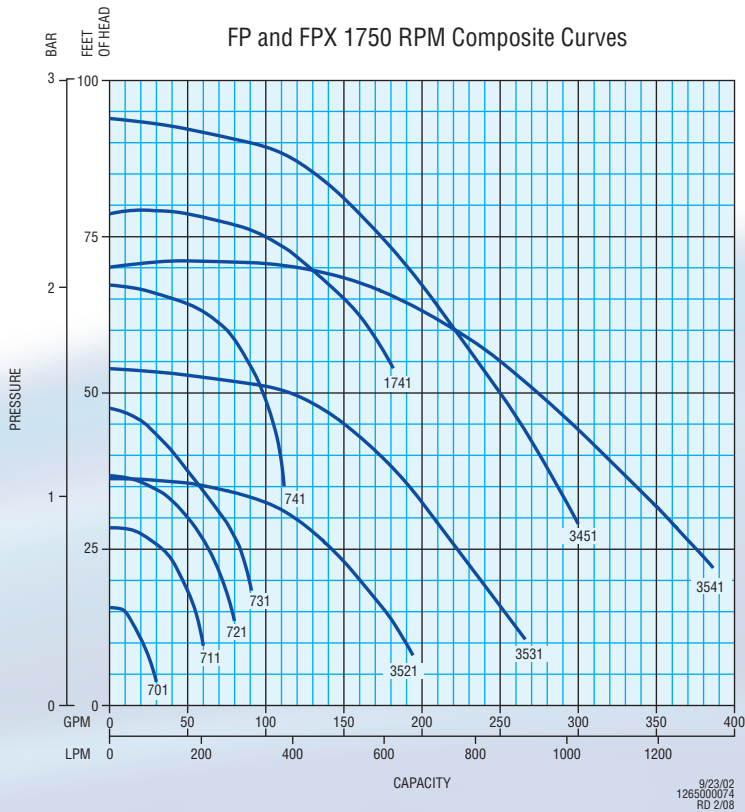
FPR Composite Performance Curves—3500 RPM*

Performance curves based on tests using 70° water. Actual performance may vary by application or product.



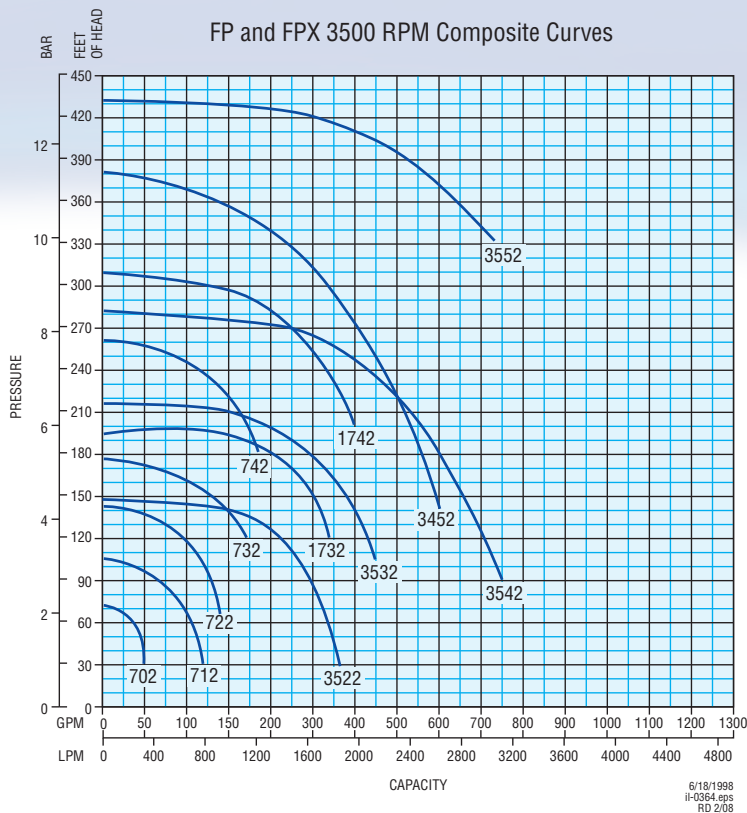
FP/FPX Composite Performance Curves—1750 RPM*

Performance curves based on tests using 70° water. Actual performance may vary by application or product.



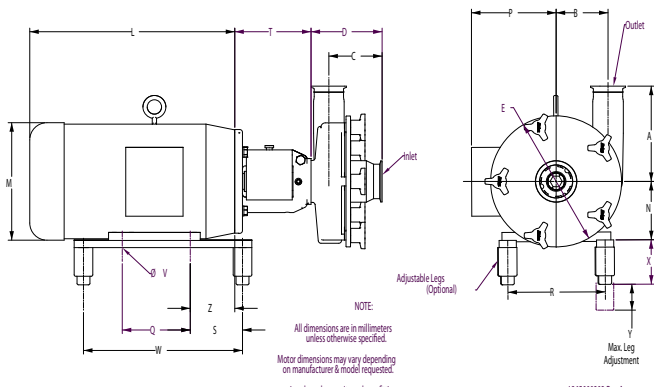
FP/FPX Composite Performance Curves—3500 RPM*

Performance curves based on tests using 70° water. Actual performance may vary by application or product.



*See the Fristam Centrifugal Curve Book or visit www.fristam.com/usa for individual pump performance curves.

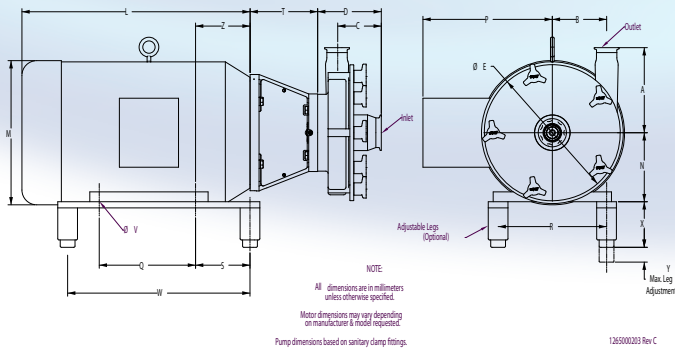
FP/FPX Single Flange Dimensional Drawing



PUMP MODEL	INLET	OUTLET	A	B	C	D	E
FPR 701/702	1.5"	1.5"	108 4.25"	44.5 1.75"	106.5 4.19"	139.5 5.49"	150 5.91"
FPR 711/712	2"	1.5"	144 5.67"	58 2.28"	113 4.45"	145 5.71"	185 7.28"
FPR 721/731/722	2"	1.5"	170 6.69"	79 3.11"	113 4.45"	145 5.71"	230 9.06"
FPR 741/742	2.5"	2"	195 7.68"	96 3.78"	101 3.98"	136 5.35"	270 10.63"
FPR 1741/1742	2.5"	2"	200 7.87"	91 3.58"	104 4.09"	145.5 5.73"	270 10.63"
FPR 3521/3522	2.5"	2"	190 7.48"	80 3.15"	118 4.65"	157.5 6.2"	230 9.06"
FPR 3531/3532	2.5"	2"	191 7.52"	95 3.74"	115.5 4.55"	157.5 6.2"	260 10.24"
FPR 3541/3542	3"	2.5"	211 8.31"	115 4.53"	118 4.65"	157.5 6.2"	290 11.42"

MOTOR HP	MOTOR FRAME	L	M	N	P	Q	R	S	T	V	W	X	Y	Z
1750 RPM	3500 RPM													
1 HP	1.5 HP	143TC	284 11.18"	175 6.89"	89 3.5"	133 5.25"	101.6 4"	140 5.5"	127 5"	120 4.72"	8.7 0.34"	356 14"	98 3.86"	57.2 2.25"
1.5 HP		145TC	284 11.18"	175 6.89"	89 3.5"	133 5.25"	101.6 4"	140 5.5"	127 5"	120 4.72"	8.7 0.34"	356 14"	98 3.86"	57.2 2.25"
2 HP	2 HP	182TC	284 11.18"	175 6.89"	89 3.5"	133 5.25"	101.6 4"	140 5.5"	127 5"	120 4.72"	8.7 0.34"	356 14"	98 3.86"	57.2 2.25"
3 HP	3 HP	182TC	340 13.39"	221 8.7"	114 4.5"	149 5.87"	114 4.5"	191 7.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	69.9 2.75"
5 HP	5 HP	184TC	354 13.94"	221 8.7"	114 4.5"	149 5.87"	114 4.5"	191 7.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	69.9 2.75"
7.5 HP	7.5 HP	184TC	354 13.94"	221 8.7"	114 4.5"	149 5.87"	114 4.5"	191 7.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	69.9 2.75"
10 HP	10 HP	215TC	403 15.87"	260 10.25"	133 5.25"	187 7.38"	140 5.5"	216 8.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	88.9 3.5"
15 HP	15 HP	215TC	403 15.87"	260 10.25"	133 5.25"	187 7.38"	140 5.5"	216 8.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	88.9 3.5"
20 HP	20 HP	256TC	499 19.65"	327 12.87"	159 6.25"	244 9.63"	254 10"	254 10"	102 4"	169 6.65"	13.5 0.53"	406 16"	98 3.86"	108.0 4.25"
25 HP	25 HP	284TSC	499 19.65"	327 12.87"	159 6.25"	244 9.63"	254 10"	254 10"	102 4"	169 6.65"	13.5 0.53"	406 16"	98 3.86"	108.0 4.25"
30 HP	30 HP	286TSC	588 23.15"	371 14.63"	178 7"	333 13.13"	241 9.5"	279 11"	121 4.75"	174 6.85"	13.5 0.53"	445 17.5"	118 4.63"	121 4.75"
40 HP	40 HP	324TSC	588 23.15"	371 14.63"	178 7"	333 13.13"	241 9.5"	279 11"	121 4.75"	174 6.85"	13.5 0.53"	445 17.5"	118 4.63"	121 4.75"
50 HP	50 HP	326TSC	636 25.04"	419 16.5"	203 8"	359 14.13"	305 10.5"	318 12.5"	121 4.75"	174 6.85"	13.5 0.53"	445 17.5"	118 4.63"	121 4.75"
75 HP	75 HP	365TSC	685 26.97"	470 18.5"	229 9"	383 15.06"	286 11.25"	311 12.25"	121 4.75"	174 6.85"	13.5 0.53"	445 17.5"	118 4.63"	121 4.75"

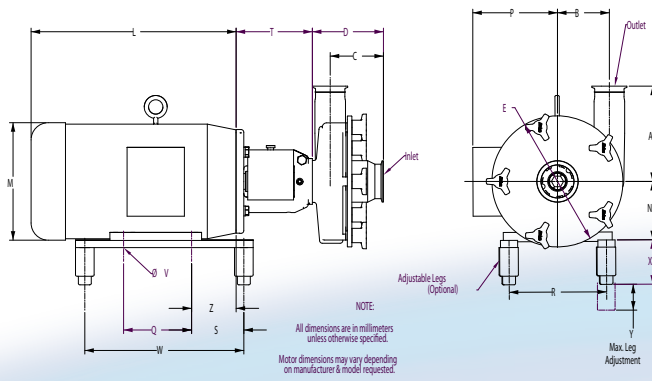
FP/FPX Double Flange Dimensional Drawing



PUMP MODEL	INLET	OUTLET	A	B	C	D	E
FPR 751/752	3"	2"	205 8.07"	145 5.71"	99 3.9"	142 5.59"	379 14.92"
FPR 3451/3452	3"	2"	211 8.31"	140 5.51"	114 4.49"	160.5 6.32"	350 13.78"
FPR 3551/3552	3"	2.5"	230 9.06"	140 5.51"	119 4.69"	170 6.69"	350 13.78"
FPR 1051	4"	4"	250 9.84"	170 6.69"	167 6.57"	202.5 7.97"	406 15.98"
FPR 1161	4"	4"	250 9.84"	170 6.69"	110.5 4.35"	146 5.75"	406 15.98"

MOTOR HP		MOTOR FRAME		L	M	N	P	Q	R	S	T	V	W	X	Y	Z
1750 RPM	3500 RPM															
3 HP	3HP	182TC	313	221	114	149	114	191	108	160	10.3	356	98	3.86	15	2.75
			12.32"	8.7"	4.5"	5.87"	4.5"	7.5"	4.25"	6.3"	0.41"	14"	3.86"	15	2.75	
	182TC	348	221	114	149	114	191	108	160	10.3	356	98	3.86	15	2.75	
		13.7"	8.7"	4.5"	5.87"	4.5"	7.5"	4.25"	6.3"	0.41"	14"	3.86"	15	2.69		
5 HP	5HP	184TC	347	221	114	149	140	191	108	160	10.3	356	98	3.86	15	2.75
			13.66"	8.7"	4.5"	5.87"	5.7"	7.5"	4.25"	6.3"	0.41"	14"	3.86"	15	2.75	
	184TC	396	221	114	149	140	191	108	160	10.3	356	98	3.86	15	2.75	
		15.2"	8.7"	4.5"	5.87"	5.5"	7.5"	4.25"	6.3"	0.41"	14"	3.86"	15	2.75		
7.5 HP	7.5HP	184TC	396	221	114	149	140	191	108	160	10.3	356	98	3.86	15	2.75
			15.2"	8.7"	4.5"	5.87"	5.5"	7.5"	4.25"	6.3"	0.41"	14"	3.86"	15	2.75	
	213TC	388	260	133	187	216	108	160	10.3	356	98	3.86	15	2.75		
		15.28"	10.25"	5.25"	7.38"	5.5"	8.5"	4.25"	6.3"	0.41"	14"	3.86"	15	3.5"		
10 HP	10HP	215TC	388	260	133	187	216	108	160	10.3	356	98	3.86	15	2.75	
			15.28"	10.25"	5.25"	7.38"	5.5"	8.5"	4.25"	6.3"	0.41"	14"	3.86"	15	3.5"	
	215TC	436	260	133	187	216	108	160	10.3	356	98	3.86	15	2.75		
		17.17"	10.25"	5.25"	7.38"	7	8.5"	4.25"	6.3"	0.41"	14"	3.86"	15	3.5"		
15 HP	15HP	254TC	447	327	159	244	210	254	102	160	13.5	406	98	3.86	108	4.25
			17.6"	12.87"	6.25"	9.63"	8.25"	10"	4"	6.3"	0.53"	16"	3.86"	15	4.25	
	256TC	491	327	159	244	254	254	102	160	13.5	406	98	3.86	108	4.25	
		19.33"	12.87"	6.25"	9.63"	10"	10"	4"	6.3"	0.53"	16"	3.86"	15	4.25		
20 HP	20HP	256TC	491	327	159	244	254	102	160	13.5	406	98	3.86	108	4.25	
			19.33"	12.87"	6.25"	9.63"	10"	10"	4"	6.3"	0.53"	16"	3.86"	15	4.25	
	256TC	588	371	178	333	241	279	121	174	13.5	445	118	4.63	175	4.75	
		19.65"	12.87"	6.25"	9.63"	10"	10"	4"	6.3"	0.53"	16"	3.86"	15	4.25		
25 HP	25HP	284TC	588	371	178	333	241	279	121	174	13.5	445	118	4.63	175	4.75
			23.15"	14.63"	7"	13.13"	9.5"	11"	4.75"	6.85"	0.53"	17.5"	4.63"	17.5"	4.75	
	284TSC	588	371	178	333	241	279	121	174	13.5	445	118	4.63	175	4.75	
		23.15"	14.63"	7"	13.13"	9.5"	11"	4.75"	6.85"	0.53"	17.5"	4.63"	17.5"	4.75		
30 HP	30HP	286TC	588	371	178	333	279	279	121	174	13.5	445	118	4.63	175	4.75
			23.15"	14.63"	7"	13.13"	11"	11"	4.75"	6.85"	0.53"	17.5"	4.63"	17.5"	4.75	
	286TSC	588	371	178	333	279	279	121	174	13.5	445	118	4.63	175	4.75	
		23.15"	14.63"	7"	13.13"	11"	11"	4.75"	6.85"	0.53"	17.5"	4.63"	17.5"	4.75		
40 HP	40HP	324TC	636	419	203	359	267	318	121	209	16.7	470	118	4.63	175	4.75
			25.04"	16.5"	8"	14.13"	10.5"	12.5"	4.75"	8.23"	0.66"	18.5"	4.63"	17.5"	5.23	
	324TSC	636	419	203	359	267	318	121	209	16.7	470	118	4.63	175	4.75	
		25.04"	16.5"	8"	14.13"	10.5"	12.5"	4.75"	8.23"	0.66"	18.5"	4.63"	17.5"	5.23		
50 HP	50HP	326TC	636	419	203	359	305	318	121	209	16.7	470	118	4.63	175	4.75
			25.04"	16.5"	8"	14.13"	10.5"	12.5"	4.75"	8.23"	0.66"	18.5"	4.63"	17.5"	5.23	
	326TSC	636	419	203	359	305	318	121	209	16.7	470	118	4.63	175	4.75	
		25.04"	16.5"	8"	14.13"	12	12.5"	4.75"	8.23"	0.66"	18.5"	4.63"	17.5"	5.23		
60 HP	60HP	364TC	685	470	229	383	286	356	89	209	16.7	508	127	4.5	149	5.47
			26.97"	18.5"	9"	15.06"	11.25"	14	3.5"	8.23"	0.66"	20"	5"	1.75"	5.87"	
	364TSC	685	470	229	383	286	356	89	209	16.7	508	127	4.5	149	5.47	
		26.97"	18.5"	9"	15.06"	11.25"	14	3.5"	8.23"	0.66"	20"	5"	1.75"	5.87"		
75 HP	75HP	365TC	685	470	229	383	311	356	89	209	16.7	508	127	4.5	149	5.47
			26.97"	18.5"	9"	15.06"	12.25"	14	3.5"	8.23"	0.66"	20"	5"	1.75"	5.87"	
	365TSC	685	470	229	383	311	356	89	209	16.7	508	127	4.5	149	5.47	
		26.97"	18.5"	9"	15.06"	12.25"	14	3.5"	8.23"	0.66"	20"	5"	1.75"	5.87"		

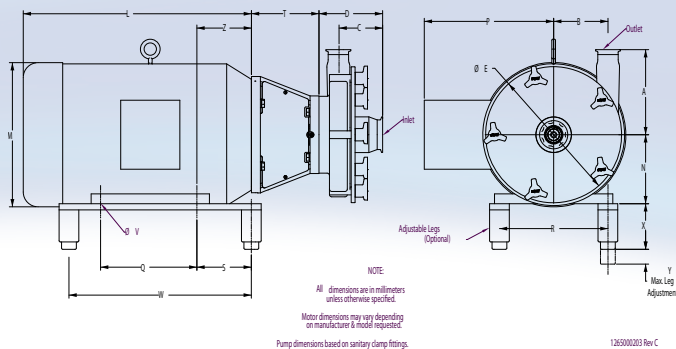
FPR Single Flange Dimensional Drawing



PUMP MODEL	INLET	OUTLET	A	B	C	D	E
FPR 701/702	1.5"	1.5"	108 4.25"	44.5 1.75"	106.5 4.19"	139.5 5.49"	150 5.91"
FPR 711/712	2"	1.5"	144 5.67"	58 2.28"	113 4.45"	145 5.71"	185 7.28"
FPR 721/731/722	2"	1.5"	170 6.69"	79 3.11"	113 4.45"	145 5.71"	230 9.06"
FPR 741/742	2.5"	2"	195 7.68"	96 3.78"	101 3.98"	136 5.35"	270 10.63"
FPR 1741/1742	2.5"	2"	200 7.87"	91 3.58"	104 4.09"	145.5 5.73"	270 10.63"
FPR 3521/3522	2.5"	2"	190 7.48"	80 3.15"	118 4.65"	157.5 6.2"	230 9.06"
FPR 3531/3532	2.5"	2"	191 7.52"	95 3.74"	115.5 4.55"	157.5 6.2"	260 10.24"
FPR 3541/3542	3"	2.5"	211 8.31"	115 4.53"	118 4.65"	157.5 6.2"	290 11.42"

MOTOR HP	MOTOR FRAME	L	M	N	P	Q	R	S	T	V	W	X	Y	Z
1750 RPM 3500 RPM														
1 HP	143TC	284 11.18"	175 6.89"	89 3.5"	133 5.25"	101.6 4"	140 5.5"	127 5"	120 4.72"	8.7 0.34"	356 14"	98 3.86"	38 1.5"	57.2 2.25"
1.5 HP	145TC	284 11.18"	175 6.89"	89 3.5"	133 5.25"	101.6 4"	140 5.5"	127 5"	120 4.72"	8.7 0.34"	356 14"	98 3.86"	38 1.5"	57.2 2.25"
2 HP	145TC	284 11.18"	175 6.89"	89 3.5"	133 5.25"	101.6 4"	140 5.5"	127 5"	120 4.72"	8.7 0.34"	356 14"	98 3.86"	38 1.5"	57.2 2.25"
3 HP	182TC	340 13.39"	221 8.7"	114 4.5"	149 5.87"	114 4.5"	191 7.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	69.9 2.75"
3 HP	182TC	354 13.94"	221 8.7"	114 4.5"	149 5.87"	114 4.5"	191 7.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	69.9 2.75"
5 HP	184TC	354 13.94"	221 8.7"	114 4.5"	149 5.87"	114 4.5"	191 7.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	69.9 2.75"
5 HP	184TC	354 13.94"	221 8.7"	114 4.5"	149 5.87"	114 4.5"	191 7.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	69.9 2.75"
7.5 HP	184TC	423 16.65"	221 8.7"	114 4.5"	149 5.87"	114 4.5"	191 7.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	69.9 2.75"
7.5 HP	213TC	403 15.87"	260 10.25"	133 5.25"	187 7.38"	140 5.5"	216 8.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	88.9 3.5"
10 HP	215TC	403 15.87"	260 10.25"	133 5.25"	187 7.38"	140 5.5"	216 8.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	88.9 3.5"
10 HP	215TC	416 16.38"	260 10.25"	133 5.25"	187 7.38"	140 5.5"	216 8.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	88.9 3.5"
15 HP	215TC	515 20.28"	260 10.25"	133 5.25"	187 7.38"	140 5.5"	216 8.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	88.9 3.5"
15 HP	254TC	499 19.65"	327 12.87"	159 6.25"	244 9.63"	254 10"	254 10"	102 4"	169 6.65"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	108.0 4.25"
20 HP	256TC	499 19.65"	327 12.87"	159 6.25"	244 9.63"	254 10"	254 10"	102 4"	169 6.65"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	108.0 4.25"
20 HP	256TC	499 19.65"	327 12.87"	159 6.25"	244 9.63"	254 10"	254 10"	102 4"	169 6.65"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	108.0 4.25"
25 HP	284TSC	588 23.15"	371 14.63"	178 7"	333 13.13"	241 9.5"	279 11"	121 4.75"	179 7.05"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	120.7 4.75"
25 HP	284TSC	588 23.15"	371 14.63"	178 7"	333 13.13"	241 9.5"	279 11"	121 4.75"	179 7.05"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	120.7 4.75"
30 HP	286TSC	588 23.15"	371 14.63"	178 7"	333 13.13"	241 9.5"	279 11"	121 4.75"	179 7.05"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	120.7 4.75"
30 HP	286TSC	588 23.15"	371 14.63"	178 7"	333 13.13"	241 9.5"	279 11"	121 4.75"	179 7.05"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	120.7 4.75"
40 HP	324TSC	636 25.04"	419 16.5"	203 8"	359 14.13"	267 10.5"	318 12.5"	121 4.75"	209 8.23"	16.7 0.66"	470 18.5"	118 4.63"	45 1.75"	133.4 5.25"
40 HP	324TSC	636 25.04"	419 16.5"	203 8"	359 14.13"	267 10.5"	318 12.5"	121 4.75"	209 8.23"	16.7 0.66"	470 18.5"	118 4.63"	45 1.75"	133.4 5.25"
50 HP	326TSC	636 25.04"	419 16.5"	203 8"	359 14.13"	267 10.5"	318 12.5"	121 4.75"	209 8.23"	16.7 0.66"	470 18.5"	118 4.63"	45 1.75"	133.4 5.25"
50 HP	326TSC	636 25.04"	419 16.5"	203 8"	359 14.13"	267 10.5"	318 12.5"	121 4.75"	209 8.23"	16.7 0.66"	470 18.5"	118 4.63"	45 1.75"	133.4 5.25"

FPR Double Flange Dimensional Drawing*



PUMP MODEL	INLET	OUTLET	A	B	C	D	E
FPR 751/752	3"	2"	205 8.07"	145 5.71"	99 3.9"	142 5.59"	379 14.92"
FPR 3451/3452	3"	2"	211 8.31"	140 5.51"	114 4.49"	160.5 6.32"	350 13.78"
FPR 3551/3552	3"	2.5"	230 9.06"	140 5.51"	119 4.69"	170 6.69"	350 13.78"
FPR 1051	4"	4"	250 9.84"	170 6.69"	167 6.57"	202.5 7.97"	406 15.98"
FPR 1161	4"	4"	250 9.84"	170 6.69"	167 6.57"	202.5 7.97"	406 15.98"

MOTOR HP	MOTOR FRAME	L	M	N	P	Q	R	S	T	V	W	X	Y	Z
1750 RPM 3500 RPM														
3 HP	182TC	313 12.32"	221 8.7"	114 4.5"	149 5.87"	114 4.5"	191 7.5"	108 4.25"	160 6.3"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	69.9 2.75"
3 HP	182TC	348 13.7"	221 8.7"	114 4.5"	149 5.87"	114 4.5"	191 7.5"	108 4.25"	160 6.3"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	69.9 2.75"
5 HP	184TC	347 13.66"	221 8.7"	114 4.5"	149 5.87"	114 4.5"	191 7.5"	108 4.25"	160 6.3"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	69.9 2.75"
5 HP	184TC	386 15.2"	221 8.7"	114 4.5"	149 5.87"	114 4.5"	191 7.5"	108 4.25"	160 6.3"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	69.9 2.75"
7.5 HP	184TC	386 15.2"	221 8.7"	114 4.5"	149 5.87"	114 4.5"	191 7.5"	108 4.25"	160 6.3"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	69.9 2.75"
7.5 HP	213TC	388 15.28"	260 10.25"	133 5.25"	187 7.38"	140 5.5"	216 8.5"	108 4.25"	160 6.3"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	88.9 3.5"
10 HP	215TC	388 15.28"	260 10.25"	133 5.25"	187 7.38"	140 5.5"	216 8.5"	108 4.25"	160 6.3"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	88.9 3.5"
15 HP	215TC	436 17.17"	260 10.25"	133 5.25"	187 7.38"	140 5.5"	216 8.5"	108 4.25"	160 6.3"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	88.9 3.5"
15 HP	254TC	447 19.33"	327 12.87"	159 6.25"	244 9.63"	210 10"	254 10"	102 4"	160 6.3"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	108 4.25"
20 HP	256TC	491 19.33"	327 12.87"	159 6.25"	244 9.63"	210 10"	254 10"	102 4"	160 6.3"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	108 4.25"
20 HP	256TC	499 19.65"	327 12.87"	159 6.25"	244 9.63"	254 10"	254 10"	102 4"	160 6.3"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	108 4.25"
25 HP	284TSC	588 23.15"	371 14.63"	178 7"	333 13.13"	241 9.5"	279 11"	121 4.75"	179 7.05"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	120.7 4.75"
25 HP	284TSC	588 23.15"	371 14.63"	178 7"	333 13.13"	241 9.5"	279 11"	121 4.75"	179 7.05"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	120.7 4.75"
30 HP	286TSC	588 23.15"	371 14.63"	178 7"	333 13.13"	241 9.5"	279 11"	121 4.75"	179 7.05"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	120.7 4.75"
30 HP	286TSC	588 23.15"	371 14.63"	178 7"	333 13.13"	241 9.5"	279 11"	121 4.75"	179 7.05"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	120.7 4.75"
40 HP	324TC	636 25.04"	419 16.5"	203 8"	359 14.13"	267 10.5"	318 12.5"	121 4.75"	209 8.23"	16.7 0.66"	470 18.5"	118 4.63"	45 1.75"	133.4 5.25"
40 HP	324TSC	636 25.04"	419 16.5"	203 8"	359 14.13"	267 10.5"	318 12.5"	121 4.75"	209 8.23"	16.7 0.66"	470 18.5"	118 4.63"	45 1.75"	133.4 5.25"
50 HP	326TSC	636 25.04"	419 16.5"	203 8"	359 14.13"	267 10.5"	318 12.5"	121 4.75"	209 8.23"	16.7 0.66"	470 18.5"	118 4.63"	45 1.75"	133.4 5.25"
50 HP	326TSC	636 25.04"	419 16.5"	203 8"	359 14.13"	267 10.5"	318 12.5"	121 4.75"	209 8.23"	16.7 0.66"	470 18.5"	118 4.63"	45 1.75"	133.4 5.25"
60 HP	364TSC	685 26.97"	470 18.5"	229 9"	383 15.06"	286 11.25"	356 14"	89 3.5"	209 8.23"	16.7 0.66"	508 20"	127 5"	149 5.87"	
60 HP	364TSC	685 26.97"	470 18.5"	229 9"	383 15.06"	286 11.25"	356 14"	89 3.5"	209 8.23"	16.7 0.66"	508 20"	127 5"	149 5.87"	
75 HP	365TSC	685 26.97"	470 18.5"	229 9"	383 15.06"	286 11.25"	356 14"	89 3.5"	209 8.23"	16.7 0.66"	508 20"	127 5"	149 5.87"	
75 HP	365TSC	685 26.97"	470 18.5"	229 9"	383 15.06"	286 11.25"	356 14"	89 3.5"	209 8.23"	16.7 0.66"	508 20"	127 5"	149 5.87"	

*Visit www.fristam.com/usa for FPR 4001 dimensional drawings.



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