

# FS Inline Blending



As an inline blender, the Fristam's FS blends products quickly and consistently. The Shear Blender's rotor-stator design eliminates unblended product and prevents lumps and masses in product for consistent, repeatable results. The FS can also be installed into your existing batch tank process line to refine your mix, simply and affordably.

- Improved product texture
- Reduced processing time
- Economical to operate and maintain
- Low maintenance design for continuous duty
- 3-A Certified and CIP-ready
- Range of rotor/stator combinations from coarse to fine blending
- Available on portable carts

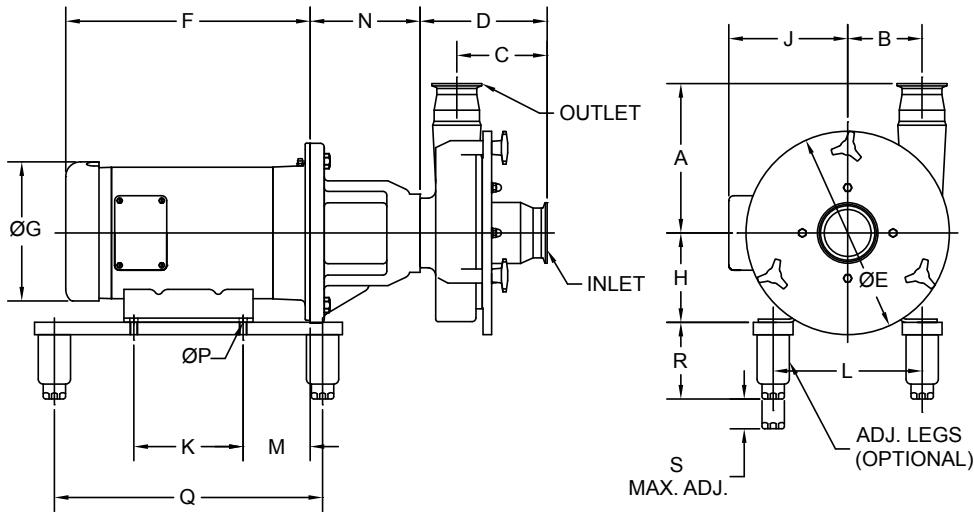
## FS Pump Specifications

- 12 models
- Max. Tip Speed 44m/s
- Max. Flow Rate 375 gpm (85 m<sup>3</sup>/hr)
- Max. Viscosity 30,000 cps
- Needs Feed Pump

## Rotor-Stator Options

Type	Name	Size	Function
12-11	General	Fine	Dispersing & Blending
13-11	Emulsifier	Extra Fine	Particle Size Reduction & Emulsifying
20-20	Pyramid	Course	Grinding or High Viscosity Blending
21-21	Impeller	Fine	Pumping & Blending
23-23	Macerator	Course	Shredding

# FS Shear Blender Dimensional Drawing



**NOTE:**

1. MOTOR DIMENSIONS MAY VARY DEPENDING ON MANUFACTURER REQUESTED.
2. BLENDER DIMENSIONS ARE BASED ON CLAMP FITTINGS.
3. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES).

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PUMP MODEL	INLET	OUTLET	A	B	C	D	E
711 / 712	2"	1.5"	144 5.67"	58 2.28"	113 4.45"	145 5.71"	185 7.28"
721 / 722	2"	1.5"	170 6.69"	79 3.11"	113 4.45"	145 5.71"	230 9.06"
3521 / 3522	2.5"	2"	190 7.48"	80 3.15"	118 4.65"	157.5 6.2"	230 9.06"
3531 / 3532	2.5"	2"	191 7.52"	95 3.74"	115.5 4.55"	157.5 6.2"	260 10.24"
3541 / 3542	3"	2.5"	211 8.31"	115 4.53"	118 4.65"	157.5 6.2"	290 11.42"
3551 / 3552	3"	2.5"	230 9.06"	140 5.51"	119 4.69"	170 6.69"	350 13.78"

PUMP MODEL	INLET	OUTLET	MOTOR HP		MOTOR FRAME	F	G	H	J	K	L	M	N	P	Q	R	S
			1750 RPM	3500 RPM													
1 HP	2"	1.5"	143TC	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"	
1.5 HP	2"	1.5"	145TC	145TC	284 11.18"	175 6.89"	89 3.5"	133 5.25"	127 5"	140 5.5"	127 5"	120 4.72"	8.7 0.34"	356 14"	98 3.86"	38 1.5"	
2 HP	2.5"	2"	145TC	145TC	284 11.18"	175 6.89"	89 3.5"	133 5.25"	127 5"	140 5.5"	127 5"	120 4.72"	8.7 0.34"	356 14"	98 3.86"	38 1.5"	
3 HP	2.5"	2"	182TC	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"	
3 HP	3"	2.5"	182TC	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"	
5 HP	3"	2.5"	184TC	184TC	354 13.94"	221 8.7"	114 4.5"	149 5.87"	140 5.5"	191 7.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	
5 HP	3"	2.5"	184TC	184TC	354 13.94"	221 8.7"	114 4.5"	149 5.87"	140 5.5"	191 7.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	
7.5 HP	3"	2.5"	184TC	184TC	423 16.65"	221 8.7"	114 4.5"	149 5.87"	140 5.5"	191 7.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	
7.5 HP	3"	2.5"	213TC	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"	
10 HP	3"	2.5"	215TC	215TC	403 15.87"	260 10.25"	133 5.25"	187 7.38"	178 7"	216 8.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	
10 HP	3"	2.5"	215TC	215TC	416 16.38"	260 10.25"	133 5.25"	187 7.38"	178 7"	216 8.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	
15 HP	3"	2.5"	215TC	215TC	515 20.28"	260 10.25"	133 5.25"	187 7.38"	178 7"	216 8.5"	108 4.25"	169 6.65"	10.3 0.41"	356 14"	98 3.86"	38 1.5"	
15 HP	3"	2.5"	254TC	254TC	499 19.65"	327 12.87"	159 6.25"	244 9.63"	210 8.25"	254 10"	102 4"	169 6.65"	13.5 0.53"	406 16"	98 3.86"	38 1.5"	
20 HP	3"	2.5"	256TC	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"	
20 HP	3"	2.5"	256TC	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"	
25 HP	3"	2.5"	284TSC	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"	445 17.5"	118 4.63"	45 1.75"	
25 HP	3"	2.5"	284TC	284TC	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"	445 17.5"	118 4.63"	45 1.75"	
30 HP	3"	2.5"	286TSC	286TSC	588 23.15"	371 14.63"	178 7"	333 13.13"	279 11"	279 11"	121 4.75"	179 7.05"	13.5 0.53"	445 17.5"	118 4.63"	45 1.75"	
30 HP	3"	2.5"	286TC	286TC	588 23.15"	371 14.63"	178 7"	333 13.13"	279 11"	279 11"	121 4.75"	179 7.05"	13.5 0.53"	445 17.5"	118 4.63"	45 1.75"	
40 HP	3"	2.5"	324TSC	324TSC	636 25.04"	419 16.5"	203 8"	359 14.13"	267 10.5"	318 12.5"	121 4.75"	179 7.05"	16.7 0.66"	470 18.5"	118 4.63"	45 1.75"	
40 HP	3"	2.5"	324TC	324TC	636 25.04"	419 16.5"	203 8"	359 14.13"	267 10.5"	318 12.5"	121 4.75"	179 7.05"	16.7 0.66"	470 18.5"	118 4.63"	45 1.75"	
50 HP	3"	2.5"	326TSC	326TSC	636 25.04"	419 16.5"	203 8"	359 14.13"	305 12"	318 12.5"	121 4.75"	179 7.05"	16.7 0.66"	470 18.5"	118 4.63"	45 1.75"	
50 HP	3"	2.5"	326TC	326TC	636 25.04"	419 16.5"	203 8"	359 14.13"	305 12"	318 12.5"	121 4.75"	179 7.05"	16.7 0.66"	470 18.5"	118 4.63"	45 1.75"	
60 HP	3"	2.5"	364 TSC	364 TSC	685 26.97"	470 18.5"	229 9.02"	383 15.08"	286 11.26"	356 14.02"	89 3.5"	209 8.23"	16.7 0.66"	508 20"	127 5"	45 1.75"	
60 HP	3"	2.5"	364 TC	364 TC	685 26.97"	470 18.5"	229 9.02"	383 15.08"	286 11.26"	356 14.02"	89 3.5"	209 8.23"	16.7 0.66"	508 20"	127 5"	45 1.75"	
75 HP	3"	2.5"	365 TSC	365 TSC	685 26.97"	470 18.5"	229 9.02"	383 15.08"	311 12.24"	356 14.02"	89 3.5"	209 8.23"	16.7 0.66"	508 20"	127 5"	45 1.75"	
75 HP	3"	2.5"	365 TC	365 TC	685 26.97"	470 18.5"	229 9.02"	383 15.08"	311 12.24"	356 14.02"	89 3.5"	209 8.23"	16.7 0.66"	508 20"	127 5"	45 1.75"	

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