

ROSS Inline High Shear Mixers

400 Series Specifications and Dimensions

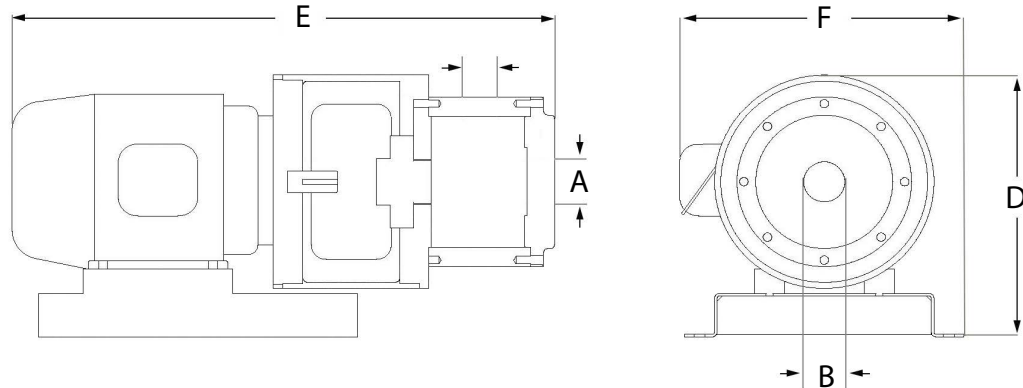
STANDARD FEATURES:

- 1.5 HP through 200 HP.
- Driven by an explosion proof (Class 1, Group D), 230/460 V, 3 Ph, 60 Hz, inverter duty motor.
- Standard single stage rotor/stator supplied with either a disintegrating, slotted, or fine screen stator head.
- Single mechanical seal for operating pressure up to 75 psig with Viton elastomers.
- Stainless steel type 316 wetted parts.
- Non-stainless steel external parts coated with a two-part acrylic urethane enamel coating.

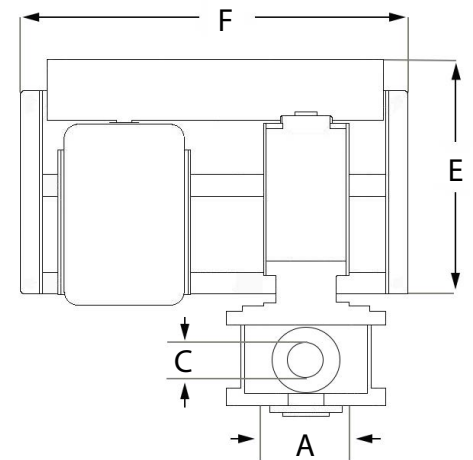
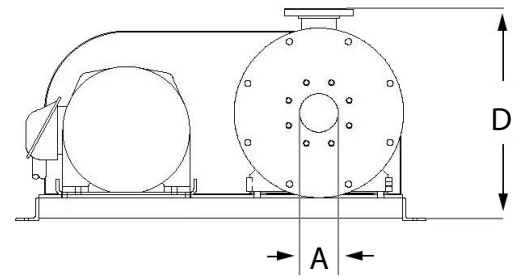
AVAILABLE OPTIONS:

- Dual stage design rotor/stators.
- Special single or double mechanical seals.
- Jacketed mix chamber.
- Special motors including stainless steel, wash-down and various voltages and frequencies.
- Sanitary design with special seals, polishes and connections.
- Controls including variable frequency drives, explosion-proof operator stations and touch screen interface.
- Stainless steel or carbon steel carts with casters.
- Vertical design.
- Skid mounted recirculating systems including vessel, piping and valves

Series 400 Direct Driven (Models 401-430)



Series 400 Belt Driven (Models 450-4100)



Model	HP	Rotor RPM	Rotor Diameter (A)		Inlet Diameter (B)		Outlet Diameter (C)		Overall Height (D)		Overall Length (E)		Overall Width (F)		Weight		Maximum Flow Rate (Water)	
			in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg	gpm	lpm
401	1.5	3,600	2.5	64	1.5	38	1	25	13.5	343	23.88	616	13.94	354	90	41	66	250
405	5	3,600	3.5	89	2	51	1.5	38	13.5	343	27.5	699	14.25	362	160	73	180	680
410	10	3,600	4	102	2.5	64	2	51	13.5	343	31	787	16.94	430	370	168	240	908
425	25	3,600	4.5	114	3	76	2.5	64	20.88	530	41	1041	22.56	573	970	431	350	1,325
430	30	1,800	7	178	4	102	3	76	20.88	530	41	1041	24	609	985	438	600	2,271
450	50	1,200	11	279	5	127	4	102	27.5	674	45	1,105	54.5	1,335	1,410	627	910	3,444
475	75	1,200	12.5	318	6	152	5	127	27.5	674	45	1,105	57	1,397	1,940	862	1,490	5,640
4100	100	1,200	13	330	8	203	6	152	27.5	674	45	1,105	59	1,446	2,290	1,018	1,785	6,756



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