

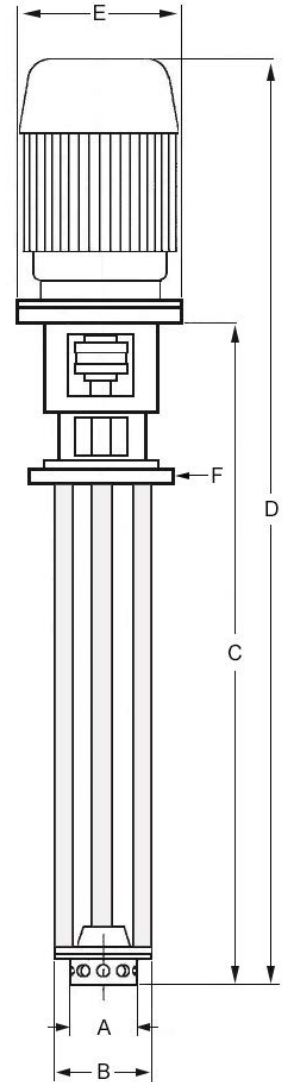
ROSS Batch High Shear Mixers 500 Series Specifications and Dimensions

STANDARD FEATURES:

- 1.5 HP through 200 HP.
- Driven by an explosion proof, inverter duty motor.
- Designed to bolt to a standard ANSI flange.
- Equipped with a single mechanical seal designed for vacuum operation.
- Standard single stage rotor/stator supplied with either disintegrating slotted, square hole, or fine screen stator head.
- Stainless steel type 316 wetted parts.
- Non-stainless steel external parts coated with a two-part acrylic urethane enamel coating.
- TEFLON® rotor shaft bushing.

AVAILABLE OPTIONS:

- Double mechanical seals for vacuum and/or pressure applications.
- Washdown and stainless steel motors.
- Variable speed control system, explosion proof operator station, or PLC recipe controls.
- Air/oil hydraulic lift.
- Mobile hydraulic lift on models up to 10 HP.
- Shaft mounted down thrust or circulation propellers.
- Bronze, glass-filled TEFLON®, PEEK, or Stellite bushing.
- Custom shaft length.
- Solids/Liquid Injection Manifold. (SLIM) System for incorporating powders sub-surface, directly into the high shear zone.
- Mix vessel built to customer specifications and requirements.



Model	Standard HP	RPM	Rotor Diameter (A)		Lower Flange Diameter (B)		Shaft Length (C)		Overall Height (D)		Upper Flange Nominal Diameter (E)		Mounting Flange Nominal Diameter (F)		Weight	
			in	mm	in	mm	in	mm	in	mm	in	mm	in	lbs	kg	
501	1.5	3,600	2.5	64	3.8	97	23.0	584	48.3	1,226	11	279	4	125	57	
505	5	3,600	3.5	89	5.75	146	31.0	787	59.5	1,511	11	279	6	260	118	
510	10	3,600	4.0	102	5.75	146	42.0	1,067	72.5	1,842	11	279	6	390	176	
525	25	3,600	4.5	114	7.5	190	52.0	1,321	91.3	2,318	14	356	8	770	349	
530	30	1,800	7.0	178	10.0	254	54.0	1,372	94.5	2,400	14	356	10	1,064	483	
550	50	1,200	11.0	279	14.0	356	64.5	1,638	116.5	2,959	18	458	16	1,870	848	
575	75	1,200	12.5	318	15.5	394	78.5	1,994	135.3	3,435	22	559	18	2,290	1039	
5100	100	1,200	13.0	330	17.0	432	102.8	2,611	162.0	4,115	24	610	20	2,635	1195	



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*Dimensions shown are approximate and subject to change without notice due to design improvements, selected options, or supplier component substitutions.