



In-Line Mixers "General Duty" LS Series Mixer

Capacity

Self-pumping throughputs of 5 to 50,000 gallons/hr.

No Bypassing

Products cannot bypass the precision rotor/stator workhead.

Interchangeable Workheads

Single stage rotor/stator configurations as standard. For those applications that require greater shear, interchangeable multistage configurations can be used.

Materials of Construction

Product contact parts in 316L stainless steel. Special materials on request.

Motor Specification

TEFC (Totally Enclosed Fan Cooled), washdown duty and explosion proof motors are available as standard. Inverted rated, stainless steel and other motors are available as optional extras.

Inlet and Outlet Connections

All sanitary screw or flange fittings available on request (e.g., ISS, DIN, RJT, SMS, Tri-Clamp, etc.).

Sealing

Single or double mechanical shaft seals available as standard.

Cleaning

All Silverson In-Line mixers are designed for cleaning in place (CIP).

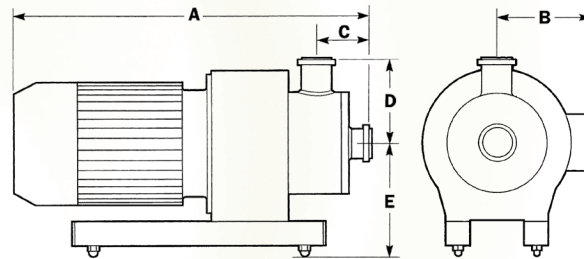
Aeration Free

Operating Pressures

General Duty In-Line models are designed for operation on pressures of up to 100 psi (7 bar). Higher pressure units are available on request.

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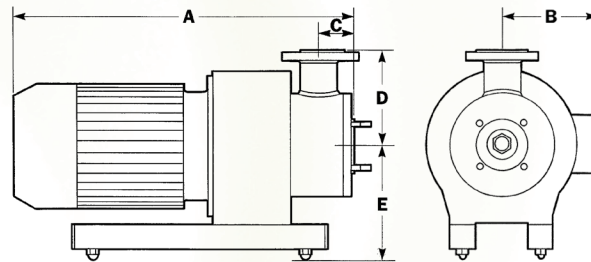
Tri-clamp, 60Hz Motors

Model	HP	R.P.M.	TEFC A	EXPL A	TEFC B	EXPL B	C	D	E	Inlet/Outlet
275 LS	2	3600	20 ⁵ / ₈	20 ³ / ₈	5 1/2	9 1/8	3 ⁷ / ₈	5 1/4	6 ⁹ / ₁₆	1 1/2
400 LS	5	3600	25	-	6 ⁷ / ₈	-	3 ⁵ / ₈	6 1/8	8 ⁷ / ₈	-
425 LS	7 1/2	3600	27 1/4	27 1/4	7 1/2	11 ³ / ₈	5 1/8	7 1/8	8 ²⁷ / ₃₂	2
450 LS	10	3600	27 1/4	27 1/4	7 1/2	11 ³ / ₈	5 1/8	7 1/8	8 ²⁷ / ₃₂	2
500 LS	20	3600	35 ⁷ / ₈	35 ⁷ / ₈	9 1/2	12 ¹ / ₁₆	3 ⁵ / ₁₆	8 ³ / ₈	11 ³ / ₁₆	3
600 LS	30	3600	38 1/2	38 1/2	10 1/2	13 1/2	6 1/8	8 ³ / ₈	11 ³ / ₁₆	3
600 LSH	40	3600	43 1/2	43 1/2	15 ³ / ₁₆	17 ¹ / ₁₆	6 ³ / ₈	10	15 1/2	3
700 LS	60	3600	49	49	18 ¹ / ₁₆	18 ¹³ / ₁₆	8	13	18 ⁷ / ₈	4
750 LS	100	3600	53	53	19 ⁵ / ₁₆	20 1/2	8	13	18 ⁷ / ₈	4
800 LS	125	3600	58	58	23 ³ / ₈	26 1/4	8	13	18 ⁷ / ₈	4

All dimensions shown are in inches. The dimensions shown are approximate only and certified diagrams should be used for installation purposes. Silverson reserves the right to change dimensions and specifications without notice.

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Flange fittings, 60Hz Motors

Model	HP	R.P.M.	TEFC A	EXPL A	TEFC B	EXPL B	C	D	E	Inlet/Outlet
275 LS	2	3600	19	18 3/4	5 1/2	9 1/8	2 3/16	5 3/4	6 9/16	1 1/2
425 LS	7 1/2	3600	25 1/4	25 5/8	7 1/2	11 3/8	3 1/8	7 3/4	8 27/32	2
450 LS	10	3600	25 1/4	25 5/8	7 1/2	11 3/8	3 1/8	7 3/4	8 27/32	2
500 LS	20	3600	33 1/8	33 1/8	9 1/2	12 1/2	3 5/16	9 1/4	11 3/16	3
600 LS	30	3600	35 3/4	35 3/4	10 1/2	13 1/2	3 5/16	9 1/4	11 3/16	3
600 LSH	40	3600	41	41	15 3/16	17 1/16	3 9/16	10	15 1/2	3
700 LS	60	3600	45	45	18 1/16	18 1/16	4 3/8	14	18 7/8	4
750 LS	100	3600	49	49	19 5/16	20 1/2	4 3/8	14	18 7/8	4
800 LS	125	3600	54	54	22 3/8	26 1/4	4 3/8	14	18 7/8	4

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