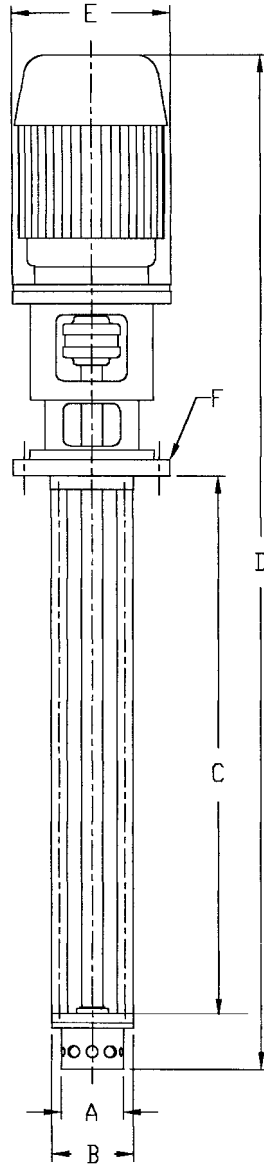


Series 500 Specifications and Dimensions

STANDARD FEATURES:

- 1-1/2 through 200 HP.
- 230/460 volt, 60 Hz. explosion proof motors (see options for starters and controls).
- Designed to bolt to a standard ANSI flange.
- Equipped with a single mechanical seal rated for vacuum applications (see options for special seals).
- Standard, single-stage Rotor/Stator supplied with either disintegrating, slotted, square hole or fine screen stator head.
- Type 316 stainless steel wetted parts.
- All non-stainless steel external surfaces coated with a white two part epoxy paint.
- Bronze shaft support bushing.



AVAILABLE OPTIONS:

- Special motors including, inverter duty, wash-down and stainless steel as well as special voltages and frequencies.
- Special single and double mechanical seals for vacuum and/or pressure applications.
- Mobile hydraulic lifts in either carbon or stainless steel can be used with models through 10 HP.
- Air/oil floor mounted hydraulic lifts are available for all sizes.
- Glass filled or solid Teflon bushings or Stellite bushing and shaft sleeve (for abrasive applications).
- Shaft mounted down-thrust or circulation propellers to enhance circulation of material in a vessel.
- Controls such as inverters, motor starters, or explosion proof operators stations are available (voltage, frequency and type of enclosure must be specified).
- SLIM System for incorporating powders directly into the high shear zone.
- Custom built atmospheric or pressure/vacuum-rated vessels can be supplied for use with series 500 units.

| Model Series 500 | STD HP | RPM | A Rotor Dia. | | B Lower Flange Dia. | | C Shaft Length | | D O.A. Height | | E Upper Flange Dia. | | F Mounting Flange | Capacity (water) | | Weight | |
|------------------|--------|------|--------------|-----|---------------------|-----|----------------|------|---------------|------|---------------------|-----|-------------------|------------------|-------------|--------|------|
| | | | " | mm | " | mm | " | mm | " | mm | " | mm | Nom.Dia." | Gal. | Ltr. | Lbs. | Kgs. |
| 501 | 1 1/2 | 3600 | 2 1/2 | 64 | 3 7/8 | 98 | 23 | 584 | 45 3/4 | 1162 | 11 | 279 | 4 | 4 to 30 | 15-113 | 90 | 41 |
| 505 | 5 | 3600 | 3 1/2 | 89 | 5 3/4 | 146 | 31 | 787 | 57 7/8 | 1469 | 11 | 279 | 6 | 15-50 | 55-190 | 160 | 73 |
| 510 | 10 | 3600 | 4 | 102 | 5 3/4 | 146 | 42 | 1057 | 72 3/8 | 1839 | 11 | 279 | 6 | 25-250 | 95-945 | 370 | 168 |
| 525 | 25 | 3600 | 4 1/2 | 114 | 7 1/2 | 190 | 52 | 1321 | 89 5/8 | 2276 | 14 | 356 | 8 | 40-500 | 151-1875 | 660 | 300 |
| 530 | 30 | 1800 | 7 | 178 | 9 7/8 | 251 | 54 | 1372 | 97 1/2 | 2477 | 14 | 356 | 10 | 40-800 | 151-3000 | 1150 | 523 |
| 550 | 50 | 1200 | 11 | 279 | 14 | 356 | 64 1/2 | 1638 | 119 | 3023 | 18 | 457 | 16 | 250-1500 | 945-5675 | 1350 | 614 |
| 575 | 75 | 1200 | 12 1/2 | 318 | 15 1/2 | 394 | 78 1/2 | 1994 | 133 | 3378 | 22 | 559 | 18 | 400-2200 | 1515-8325 | 1800 | 818 |
| 5100 | 100 | 1200 | 13 | 330 | 17 | 432 | 102 3/4 | 2610 | 162 | 4115 | 24 | 610 | 20 | 500-6000 | 1890-22,710 | 2100 | 955 |

HSM 500 SS-00



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