

MODEL: S6A & S6AX— Solids Handling Sewage Pump

| | | | | |
|----------------------------|---|-------------|--------------|--------------|
| R.P.M. | 1750 | | | |
| MOTOR TYPE | ENCLOSED, OIL COOLED INDUCTION, VFD SUITABLE | | | |
| MOTOR DESIGN NEMA TYPE | B (3ø) | | | |
| GENERAL INSULATION CLASS | H | | | |
| STATOR WINDING CLASS | H | | | |
| MAXIMUM STATOR TEMPERATURE | 356°F (180°C) | | | |
| MOTOR PROTECTION | BI-METALLIC, TEMPERATURE SENSITIVE DISC, SIZED TO OPEN AT 130°C AND AUTOMATICALLY RESET @ 96–68°C DIFFERENTIAL, ONE IN SINGLE PHASE, TWO IN THREE PHASE | | | |
| ELECTRICAL RATINGS | HEAT SENSOR | 24VDC 5AMPS | 115VAC 5AMPS | 230VAC 5AMPS |
| | SEAL FAIL | 300VAC 5mA | | |
| | | | | |
| VOLTAGE TOLERANCE | ±10% | | | |

| HP | VOLTAGE | PHASE | NEC CODE | SF | FULL LOAD AMPS | SF AMPS | LOCKED ROTOR AMPS | RUN KW | START KVA | RUN KVA | MTR. EFF. @ SF | MTR. EFF. 100% FL | MTR. EFF. 75% FL | MTR. EFF. 50% FL | PWR. FACT. @ SF | PWR. FACT. 100% FL | PWR. FACT. 75% FL | PWR. FACT. 50% FL |
|----|---------|-------|----------|-----|----------------|---------|-------------------|--------|-----------|---------|----------------|-------------------|------------------|------------------|-----------------|--------------------|-------------------|-------------------|
| 10 | 200 | 3 | N | 1.2 | 35.9 | 40.6 | 334 | 9.5 | 116 | 12.4 | .81 | .79 | .74 | .65 | .79 | .77 | .72 | .64 |
| | 230 | | | | 31.2 | 35.3 | 290 | | | | | | | | | | | |
| | 460 | | | | 15.6 | 17.7 | 145 | | | | | | | | | | | |
| | 575 | | | | 12.5 | 14.1 | 116 | | | | | | | | | | | |
| 15 | 200 | 3 | J | 1.2 | 48.3 | 56.3 | 334 | 13.5 | 116 | 16.7 | .84 | .83 | .80 | .74 | .82 | .81 | .78 | .72 |
| | 230 | | | | 46 | 52 | 290 | | | | | | | | | | | |
| | 460 | | | | 23 | 26 | 145 | | | | | | | | | | | |
| | 575 | | | | 16.8 | 19.6 | 116 | | | | | | | | | | | |
| 20 | 200 | 3 | G | 1.2 | 62.5 | 75 | 334 | 17.8 | 116 | 21.6 | .84 | .84 | .83 | .79 | .82 | .82 | .81 | .77 |
| | 230 | | | | 54.4 | 65.2 | 290 | | | | | | | | | | | |
| | 460 | | | | 27.2 | 32.6 | 145 | | | | | | | | | | | |
| | 575 | | | | 21.7 | 26.1 | 116 | | | | | | | | | | | |
| 25 | 200 | 3 | J | 1.2 | 78.3 | 92.2 | 575 | 21.7 | 200 | 27.1 | .87 | .86 | .84 | .70 | .81 | .80 | .77 | .70 |
| | 230 | | | | 68 | 80 | 500 | | | | | | | | | | | |
| | 460 | | | | 34 | 40 | 250 | | | | | | | | | | | |
| | 575 | | | | 27.2 | 32.1 | 200 | | | | | | | | | | | |
| 30 | 200 | 3 | H | 1.2 | 92.2 | 110.7 | 575 | 25.7 | 200 | 31.9 | .87 | .87 | .86 | .83 | .81 | .81 | .79 | .73 |
| | 230 | | | | 80.2 | 96.3 | 500 | | | | | | | | | | | |
| | 460 | | | | 40.1 | 48.1 | 250 | | | | | | | | | | | |
| | 575 | | | | 32.1 | 38.5 | 200 | | | | | | | | | | | |
| 40 | 230 | 3 | G | 1.2 | 105 | 128.3 | 580 | 34.3 | 230 | 41.8 | .87 | .87 | .87 | .85 | .81 | .82 | .82 | .79 |
| | 460 | | | | 52.5 | 64.1 | 290 | | | | | | | | | | | |
| | 575 | | | | 42 | 51.3 | 232 | | | | | | | | | | | |
| 50 | 230 | 3 | G | 1.2 | 141 | 197 | 690 | 46.7 | 275 | 55.1 | .75 | .80 | .82 | .79 | .81 | .83 | .85 | .83 |
| | 460 | | | | 70.5 | 98.5 | 345 | | | | | | | | | | | |
| | 575 | | | | 56.4 | 78.8 | 276 | | | | | | | | | | | |