

MODEL: S4N, S4NS & S4NX— Solids Handling Sewage Pumps

| | | | | |
|----------------------------|---|----------------|-----------------|-----------------|
| R.P.M. | 1750 | | | |
| MOTOR TYPE | ENCLOSED, OIL COOLED INDUCTION, VFD SUITABLE | | | |
| MOTOR DESIGN NEMA TYPE | B (3Ø) L (1Ø) | | | |
| GENERAL INSULATION CLASS | F | | | |
| STATOR WINDING CLASS | F | | | |
| MAXIMUM STATOR TEMPERATURE | 311°F (155°) | | | |
| MOTOR PROTECTION | BI-METALLIC, TEMPERATURE SENSITIVE DISC, SIZED TO OPEN AT 120°C AND AUTOMATICALLY RESET @ 90–65°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 | LCKD. RTR. 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 |
|----|---------|-------|----------|-----|----------------|---------|-----------------|--------|-----------|---------|----------------|-------------------|------------------|------------------|-----------------|--------------------|-------------------|-------------------|
| 2 | 230 | 1 | J | 1.2 | 12.8 | 14.8 | 62 | 2.4 | 14.3 | 2.9 | .63 | .63 | .60 | .54 | .84 | .81 | .75 | .66 |
| | 200 | | | | 7.8 | 8.8 | 46 | 2.1 | 15.9 | 2.7 | .74 | .73 | .70 | .63 | .79 | .76 | .70 | .59 |
| 2 | 230 | 3 | J | 1.2 | 6.8 | 7.7 | 40 | | | | | | | | | | | |
| | 460 | | | | 3.4 | 3.8 | 20 | | | | | | | | | | | |
| | 575 | | | | 2.7 | 3.1 | 16 | | | | | | | | | | | |
| 3 | 230 | 1 | G | 1.2 | 17.1 | 20 | 79 | 3.3 | 18.2 | 3.9 | .67 | .67 | .65 | .57 | .88 | .85 | .80 | .71 |
| 3 | 200 | 3 | J | 1.2 | 10.9 | 12.8 | 64.5 | 3.1 | 22.3 | 3.8 | .73 | .72 | .70 | .64 | .83 | .82 | .80 | .72 |
| | 230 | | | | 9.5 | 11.1 | 56 | | | | | | | | | | | |
| | 460 | | | | 4.8 | 5.6 | 28 | | | | | | | | | | | |
| | 575 | | | | 3.8 | 4.5 | 22.5 | | | | | | | | | | | |
| 5 | 230 | 1 | G | 1.2 | 29.5 | 34.2 | 125 | 5.7 | 28.8 | 6.8 | .66 | .66 | .65 | .60 | .87 | .84 | .77 | .64 |
| 5 | 200 | 3 | J | 1.2 | 17.9 | 21.5 | 108 | 4.8 | 37.4 | 6.1 | .79 | .79 | .77 | .72 | .80 | .78 | .73 | .62 |
| | 230 | | | | 15.6 | 18.7 | 94 | | | | | | | | | | | |
| | 460 | | | | 7.8 | 9.4 | 47 | | | | | | | | | | | |
| | 575 | | | | 6.2 | 7.5 | 37.6 | | | | | | | | | | | |
| 7½ | 200 | 3 | K | 1.2 | 29 | 32.9 | 194 | 7.2 | 67 | 10.1 | .78 | .78 | .76 | .71 | .76 | .72 | .66 | .56 |
| | 230 | | | | 25.2 | 28.6 | 168 | | | | | | | | | | | |
| | 460 | | | | 12.6 | 14.3 | 84 | | | | | | | | | | | |
| | 575 | | | | 10.1 | 11.4 | 67.2 | | | | | | | | | | | |

MODEL: S4N, S4NS & S4NX—Solids Handling Sewage Pumps

| | | | | |
|----------------------------|---|----------------|-----------------|-----------------|
| R.P.M. | 1150 | | | |
| MOTOR TYPE | ENCLOSED, OIL COOLED INDUCTION, VFD SUITABLE | | | |
| MOTOR DESIGN NEMA TYPE | B (3Ø) L (1Ø) | | | |
| GENERAL INSULATION CLASS | F | | | |
| STATOR WINDING CLASS | F | | | |
| MAXIMUM STATOR TEMPERATURE | 311°F (155°C) | | | |
| MOTOR PROTECTION | BI-METALLIC, TEMPERATURE SENSITIVE DISC, SIZED TO OPEN AT 120°C AND AUTOMATICALLY RESET @ 90–65°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 |
|-----|---------|-------|----------|-----|----------------|---------|-------------------|--------|-----------|---------|----------------|-------------------|------------------|------------------|-----------------|--------------------|-------------------|-------------------|
| 1.0 | 200 | 1 | K | 1.2 | 9.4 | 10.2 | 43.5 | 1.3 | 8.7 | 1.9 | .59 | .57 | .52 | .43 | .75 | .70 | .65 | .54 |
| | 230 | | | | 8.2 | 8.9 | 37.8 | | | | | | | | | | | |
| 1.0 | 200 | 3 | J | 1.2 | 4.3 | 5.0 | 20.7 | 1.1 | 7.2 | 1.5 | .71 | .70 | .68 | .61 | .74 | .71 | .64 | .54 |
| | 230 | | | | 3.8 | 4.3 | 18.0 | | | | | | | | | | | |
| | 460 | | | | 1.9 | 2.2 | 9.0 | | | | | | | | | | | |
| | 575 | | | | 1.5 | 1.7 | 7.2 | | | | | | | | | | | |
| 2 | 200 | 1 | H | 1.2 | 18.6 | 20.6 | 64.4 | 2.5 | 12.9 | 3.7 | .60 | .59 | .55 | .47 | .73 | .68 | .60 | .50 |
| | 230 | | | | 16.2 | 17.9 | 56.0 | | | | | | | | | | | |
| 2 | 200 | 3 | H | 1.2 | 8.4 | 9.6 | 37.0 | 2.0 | 12.8 | 2.9 | .74 | .74 | .73 | .67 | .73 | .70 | .62 | .52 |
| | 230 | | | | 7.3 | 8.3 | 32.2 | | | | | | | | | | | |
| | 460 | | | | 3.6 | 4.2 | 16.0 | | | | | | | | | | | |
| | 575 | | | | 2.9 | 3.3 | 12.9 | | | | | | | | | | | |