

## 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<br>5AMPS | 115VAC<br>5AMPS | 230VAC<br>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              |        |           |         |                |                   |                  |                  |                 |                    |                   |                   |