

MODEL: S4T & S4TX— 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 150°C AND AUTOMATICALLY RESET @ 117–89°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 | LOCKD 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 |
|-----|---------|-------|----------|-----|----------------|---------|-----------------|--------|-----------|---------|----------------|-------------------|------------------|------------------|-----------------|--------------------|-------------------|-------------------|
| 50 | 460 | 3 | H | 1.2 | 65 | 75 | 490 | 52.6 | 390 | 29.9 | .85 | .84 | .80 | .74 | .86 | .85 | .82 | .77 |
| 60 | 460 | 3 | F | 1.2 | 75 | 90 | 490 | 57 | 390 | 34.5 | .86 | .85 | .83 | .77 | .86 | .86 | .83 | .80 |
| 75 | 460 | 3 | F | 1.2 | 99.4 | 119.3 | 490 | 69.1 | 390 | 75.2 | .81 | .81 | .79 | .73 | .85 | .86 | .86 | .83 |
| | 575 | | | | 75.5 | 90.6 | 392 | | | | | | | | | | | |
| 100 | 460 | 3 | G | 1.2 | 132.3 | 160 | 725 | 85.3 | 580 | 97.4 | .87 | .88 | .87 | .84 | .87 | .88 | .86 | .83 |
| | 575 | | | | 97.8 | 118.8 | 580 | | | | | | | | | | | |
| 125 | 460 | 3 | E | 1.2 | 172 | 206 | 725 | 102.9 | 580 | 118 | .87 | .87 | .87 | .87 | .87 | .87 | .87 | .87 |
| | 575 | | | | 137.6 | 165 | 580 | | | | | | | | | | | |
| 150 | 460 | 3 | E | 1.2 | 200 | 240 | 932 | 125 | 742 | 159.2 | .89 | .89 | .89 | .85 | .79 | .78 | .75 | .66 |