

# SUBMERSIBLE SOLIDS HANDING PUMPS

## S4T(X)P, S8L(X)P, S8LA(X)P, S12L(X)P

|                            |   |               |                |
|----------------------------|---|---------------|----------------|
| RPM                        | 1750  |               |                |
| MOTOR TYPE                 | PREMIUM EFFICIENT, IEC 60034-30 LEVEL IE3   |               |                |
| MOTOR DESIGN TYPE          | A (3 $\phi$ )   |               |                |
| GENERAL INSULATION CLASS   | H   |               |                |
| STATOR WINDING CLASS       | H   |               |                |
| MAXIMUM STATOR TEMPERATURE | 356°F (180°)  |               |                |
| MOTOR PROTECTION           | BI-METALLIC, TEMPERATURE SENSITIVE DISC, SIZED TO OPEN AT 150°C AND AUTOMATICALLY RESET @ 117-89°C DIFFERENTIAL, THREE IN THREE PHASE |               |                |
| ELECTRICAL RATINGS         | HEAT SENSOR   | 24 VDC 5 AMPS | 115 VAC 5 AMPS |
|                            | SEAL FAILURE  | 300 VAC 5 Ma  |                |
| VOLTAGE TOLERANCE          | ±10%  |               |                |

| HP  | VOLTAGE | PHASE | NEMA CODE | SF  | NAME PLATE AMPS | SF AMPS | LOCK ROTOR AMPS | RUN KW | START KVA | RUN KVA | NEMA REQ. PREMIUM EFFICIENCY AT FL | MOTOR EFF. AT SF* | MOTOR EFF. AT FL* | MOTOR EFF. AT 75% FL* | MOTOR EFF. AT 50% FL* | POWER FACTOR AT SF | POWER FACTOR AT FL | POWER FACTOR AT 75% FL | POWER FACTOR AT 50% FL |
|-----|---------|-------|-----------|-----|-----------------|---------|-----------------|--------|-----------|---------|------------------------------------|-------------------|-------------------|-----------------------|-----------------------|--------------------|--------------------|------------------------|------------------------|
| 75  | 460     | 3     | G         | 1.3 | 96              | 120     | 570             | 67.8   | 453.6     | 76.4    | 95.4                               | 94                | 95.4              | 94                    | 93                    | 0.88               | 0.887              | 0.886                  | 0.84                   |
|     | 575     |       |           |     | 76.8            | 96.0    | 456             |        |           |         |                                    |                   |                   |                       |                       |                    |                    |                        |                        |
| 100 | 460     | 3     | H         | 1.3 | 125             | 155     | 826             | 88.1   | 657.5     | 99.5    | 95.4                               | 94                | 95.4              | 94                    | 93                    | 0.884              | 0.886              | 0.877                  | 0.845                  |
|     | 575     |       |           |     | 100.0           | 124.0   | 661             |        |           |         |                                    |                   |                   |                       |                       |                    |                    |                        |                        |
| 125 | 460     | 3     | H         | 1.3 | 152             | 190     | 1137            | 107.4  | 846.5     | 121.4   | 95.4                               | 94.1              | 95.4              | 94.1                  | 93.9                  | 0.882              | 0.885              | 0.87                   | 0.82                   |
|     | 575     |       |           |     | 122.0           | 152.0   | 851             |        |           |         |                                    |                   |                   |                       |                       |                    |                    |                        |                        |
| 150 | 460     | 3     | J         | 1.3 | 185             | 230     | 1521            | 128.8  | 1159.9    | 147.2   | 95.8                               | 94.2              | 95.8              | 94.2                  | 93.9                  | 0.878              | 0.875              | 0.86                   | 0.82                   |
|     | 575     |       |           |     | 148.0           | 184.0   | 1166            |        |           |         |                                    |                   |                   |                       |                       |                    |                    |                        |                        |

\*Motor efficiency does not include seal and oil losses per IEC60034-30 5.1.3. Full load amps and service factor amps do include these losses.

1101 Myers Parkway  
Ashland, OH 44805  
Ph: 855.274.8947  
Fx: 800.426.9446

490 Pinebush Rd., Unit 4  
Cambridge, Ontario N1T 0A5, Canada  
Ph: 800.363.7867  
Fx: 888.606.5484

[pentair.com](http://pentair.com)

All indicated Pentair trademarks and logos are property of Pentair. Third party registered and unregistered trademarks and logos are the property of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice. Pentair is an equal opportunity employer.