

## **S4K(X)P - HYDROMATIC PREMIUM EFFICIENT (HPE)** SUBMERSIBLE SOLIDS HANDLING PUMPS

## **PHYSICAL DATA**

| DISCHARGE SIZE  | 4"  |  |  |
|---|---|--|--|
| SOLIDS SIZE   | 3"  |  |  |
| IMPELLER TYPE   | BALANCED, ENCLOSED, 2 VANE                  |  |  |
| CABLE LENGTH  | ENGTH 35' STANDARD, 50', 75', 100' OPTIONAL |  |  |
| PAINT PAINTED AFTER ASSEMBLY. DARK GREEN, WATER REDUCIBLE ENAMEL, ONE C |   |  |  |

## TEMPERATURE

| MAXIMUM LIQUID     | 104° F LABELED/140° F UNLABELED     |  |  |
|--------------------|-------------------------------------|--|--|
| MAXIMUM STATOR     | 356° F (180° C)                     |  |  |
| OIL FLASH POINT    | 309° F                              |  |  |
| HEAT SENSOR OPEN   | SENSOR OPEN 275° F MAX./257° F MIN. |  |  |
| HEAT SENSOR CLOSED | IEAT SENSOR CLOSED 204° F MAX.      |  |  |

## **TECHNICAL DATA**

| MOTOR                        |                      | PREMIUM EFFICIENT NEMA MG1, IEC 60034 -30 LEVEL IE3 |  |           |           |  |  |
|------------------------------|----------------------|---|--|-----------|-----------|--|--|
| POWER CORD TYPE              |                      | W OR SOOW, WATER RESISTANT, 600V, 90° C             |  |           |           |  |  |
| SENSER CORD                  |                      | S00W, 18-5, WATER RESISTANT, 600V, 90° C, 5.5 AMPS  |  |           |           |  |  |
| MATERIALS OF<br>CONSTRUCTION | MOTOR HOUSING        | CAST IRON   | ASTM                                       | A-48      | CLASS 30  |  |  |
|                              | CASING               | CAST IRON   | ASTM                                       | A-48      | CLASS 30  |  |  |
|                              | IMPELLER             | DUCTILE IRON  | ASTM                                       | A-536     | CLASS 65  |  |  |
|                              | CASING WEAR RING     | BRONZE  | ASTM                                       | B-584-836 | ALLOY 115 |  |  |
|                              | MOTOR SHAFT          | 416 STAINLESS STEEL                                 |  |           |           |  |  |
|                              | HARDWARE             | 300 SERIES STAINLESS STEEL                          |  |           |           |  |  |
|                              | 0-RINGS              | NITRILE   |  |           |           |  |  |
| MECHA                        | NICAL STANDARD SEALS | UPPER - C/SIC TYPE 2100, LOWER - C/SIC TYPE 2       |  |           |           |  |  |
| UPPER                        | BEARING              | (RADIAL)SINGLE                                      | (RADIAL) SINGLE ROW - BALL                 |           |           |  |  |
| LOWER                        | BEARING              | (THRUST)DOUBL                                       | THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL |           |           |  |  |



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