

S4M(X)P - HYDROMATIC PREMIUM EFFICIENT (HPE) SUBMERSIBLE SOLIDS HANDLING PUMPS

PHYSICAL DATA

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

TEMPERATURE

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

TECHNICAL DATA

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| MOTOR | PREMIUM EFFICIENT NEMA MG1, IEC 60034 -30 LEVEL IE3 | | | | |
| POWER CORD TYPE | W OR SOOW, WATER RESISTANT, 600V, 90° C | | | | |
| SENDER CORD | SOOW, 18-5, WATER RESISTANT, 600V, 90° C, 5.5 AMPS | | | | |
| MATERIALS OF 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 | | | |
| | O-RINGS | NITRILE | | | |
| MECHANICAL STANDARD SEALS | UPPER - C/SIC TYPE 2100, LOWER - C/SIC TYPE 2 | | | | |
| UPPER BEARING | (RADIAL) SINGLE ROW - BALL | | | | |
| LOWER BEARING | (THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL | | | | |