

# SUBMERSIBLE SOLIDS HANDLING PUMPS

## MNG4HD(X), MNG6MD(X) SERIES

**PHYSICAL DATA**

|  |  |
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| <b>DISCHARGE SIZE</b> (125 # ANSI FLANGE   HORIZONTAL ORIENTATION) | MNG4HD: 4", MNG6MD: 6"   |
| <b>IMPELLER TYPE</b>   | BALANCED, SEMI-OPEN  |
| <b>CABLE LENGTH</b>  | 35' STANDARD, 50', 75', 100' OPTIONAL  |
| <b>PAINT</b>   | PAINTED AFTER ASSEMBLY. DARK GREEN, WATER REDUCIBLE ENAMEL, ONE COAT, AIR DRIED. |

**TEMPERATURE**

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

**TECHNICAL DATA**

|                                  |  |                            |      |           |           |
|----------------------------------|--|----------------------------|------|-----------|-----------|
| <b>MOTOR</b>                     | PREMIUM EFFICIENT IEC 60034 -30 LEVEL IE3*         |                            |      |           |           |
| <b>POWER CORD TYPE</b>           | W OR SOOW, WATER RESISTANT, 600V, 90° C            |                            |      |           |           |
| <b>SENER CORD TYPE</b>           | SOOW, 18-5, WATER RESISTANT, 600V, 90° C, 5.5 AMPS |                            |      |           |           |
| <b>MATERIALS OF CONSTRUCTION</b> | <b>MOTOR HOUSING</b>                               | CAST IRON                  | ASTM | A-48      | CLASS 30  |
|                                  | <b>CASING</b>                                      | DUCTILE IRON               | ASTM | A-536     | CLASS 65  |
|                                  | <b>IMPELLER</b>                                    | DUCTILE IRON               | ASTM | A-536     | CLASS 80  |
|                                  | <b>CHOPPER LINER</b>                               | 440 SST                    | ASTM | B-584-836 | ALLOY 115 |
|                                  | <b>MOTOR SHAFT</b>                                 | 416 STAINLESS STEEL        |      |           |           |
|                                  | <b>HARDWARE</b>                                    | 300 SERIES STAINLESS STEEL |      |           |           |
|                                  | <b>O-RINGS</b>                                     | NITRILE                    |      |           |           |
| <b>MECHANICAL STANDARD SEALS</b> | UPPER - C/SIC TYPE 2100, LOWER - C/SIC TYPE 2      |                            |      |           |           |
| <b>UPPER BEARING</b>             | (RADIAL) SINGLE ROW - BALL                         |                            |      |           |           |
| <b>LOWER BEARING</b>             | (THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL        |                            |      |           |           |

\*208V versions will not conform to IE3 standards.

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