

# SUBMERSIBLE SOLIDS HANDLING PUMPS

## HPS3SC(X), HPS4SC(X), HPS4HC(X), HPS6MC(X) SERIES

### PHYSICAL DATA

<b>DISCHARGE SIZE</b> (125 # ANSI FLANGE   HORIZONTAL ORIENTATION)	HPS3SC: 3", HPS4SC: 4", HPS4HC: 4", HPS6MC: 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>	440 SST	ASTM	B-584-836	ALLOY 115
	<b>CHOPPER LINER</b>				
	<b>MOTOR SHAFT</b>	416 STAINLESS STEEL			
	<b>HARDWARE</b>	300 SERIES STAINLESS STEEL			
	<b>O-RINGS</b>	NITRILE			
<b>STANDARD SEALS</b>	CARTRIDGE: SEAL FACE MATERIALS - C/SIC				
<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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