

# Technical Data – H3H(X)P

## MODEL: H3H(X)P - Hydromatic® Premium Efficient (HPE) Submersible Solids Handling Pumps

### Physical Data:

DISCHARGE SIZE	3"
SOLIDS SIZE	3"
IMPELLER TYPE	BALANCED, ENCLOSED, MONOVANE
CABLE LENGTH	35' STANDARD WITH OPTIONAL QUICK CHANGE CONNECTOR
	50', 75', 100' OPTIONAL WITH OPTIONAL QUICK CHANGE CONNECTOR
PAINT	PAINTED AFTER ASSEMBLY. DARK GREEN, WATER REDUCIBLE ENAMEL, ONE COAT, AIR DRIED.

### Temperature:

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.
	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				
SENER CORD TYPE	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 SEALS	STANDARD	UPPER - SIC TYPE 2100, LOWER - SIC TYPE 2			
	OPTIONAL	CARTRIDGE SEAL			
UPPER BEARING	(RADIAL) SINGLE ROW - BALL				
LOWER BEARING	(THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL				

**MODEL: H4H(X)P - Hydromatic® Premium Efficient (HPE)  
Submersible Solids Handling Pumps**

**Physical Data:**

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

**Temperature:**

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.

**Technical Data:**

MOTOR	PREMIUM EFFICIENT NEMA MG1, IEC 60034 -30 LEVEL IE3	
POWER CORD TYPE	W OR SOOW, WATER RESISTANT, 600V, 90° C	
SENER CORD TYPE	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            OPTIONAL	UPPER - SIC TYPE 2100, LOWER - SIC TYPE 2	
	CARTRIDGE SEAL	
UPPER BEARING	(RADIAL) SINGLE ROW - BALL	
LOWER BEARING	(THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL	

# Technical Data – S4M(X)P

## MODEL: S4M(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	35' STANDARD WITH OPTIONAL QUICK CHANGE CONNECTOR
	50', 75', 100' OPTIONAL WITH OPTIONAL QUICK CHANGE CONNECTOR
PAINT	PAINTED AFTER ASSEMBLY. DARK GREEN, WATER REDUCIBLE ENAMEL, ONE COAT, AIR DRIED.

### Temperature:

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.

### Technical Data:

MOTOR	PREMIUM EFFICIENT NEMA MG1, IEC 60034 -30 LEVEL IE3	
POWER CORD TYPE	W OR SOOW, WATER RESISTANT, 600V, 90° C	
SENER CORD TYPE	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            OPTIONAL	UPPER - SIC TYPE 2100, LOWER - SIC TYPE 2	
	CARTRIDGE SEAL	
UPPER BEARING	(RADIAL) SINGLE ROW - BALL	
LOWER BEARING	(THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL	

## Technical Data – C4S(X)P

**MODEL: C4S(X)P - Hydromatic® Premium Efficient (HPE)  
Submersible Solids Handling Chopper Pump****Physical Data:**

DISCHARGE SIZE	4"
IMPELLER TYPE	BALANCED, SEMI-OPEN
CABLE LENGTH	35' STANDARD WITH OPTIONAL QUICK CHANGE CONNECTOR 50', 75', 100' OPTIONAL WITH OPTIONAL QUICK CHANGE CONNECTOR
PAINT	PAINTED AFTER ASSEMBLY. DARK GREEN, WATER REDUCIBLE ENAMEL, ONE COAT, AIR DRIED.

**Temperature:**

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. 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	
SENER CORD TYPE	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
	CHOPPER PLATE / CUTTER	440 STAINLESS STEEL, HARDENED
	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	

# Technical Data – C4H(X)P

## MODEL: C4H(X)P - Hydromatic® Premium Efficient (HPE) Submersible Solids Handling Chopper Pump

### Physical Data:

DISCHARGE SIZE	4"
IMPELLER TYPE	BALANCED, SEMI-OPEN
CABLE LENGTH	35' STANDARD WITH OPTIONAL QUICK CHANGE CONNECTOR 50', 75', 100' OPTIONAL WITH OPTIONAL QUICK CHANGE CONNECTOR
PAINT	PAINTED AFTER ASSEMBLY. DARK GREEN, WATER REDUCIBLE ENAMEL, ONE COAT, AIR DRIED.

### Temperature:

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.
	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	
SENER CORD TYPE	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
	CHOPPER PLATE / CUTTER	440 STAINLESS STEEL, HARDENED
	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	

## Technical Data – S4P(X)P

**MODEL: S4P(X)P - Hydromatic® Premium Efficient (HPE)  
Submersible Solids Handling Pumps****Physical Data:**

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

**Temperature:**

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.
	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				
SENDER CORD TYPE	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 SEALS	STANDARD	UPPER - SIC TYPE 2100, LOWER - SIC TYPE 2			
	OPTIONAL	CARTRIDGE SEAL			
UPPER BEARING	(RADIAL) SINGLE ROW - BALL				
LOWER BEARING	(THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL				

# Technical Data – S4MV(X)P

## **MODEL: S4MV(X)P - Hydromatic® Premium Efficient (HPE) Submersible Solids Handling Pumps**

### Physical Data:

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

### Temperature:

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.
	CLOSED:

### Technical Data:

MOTOR	PREMIUM EFFICIENT NEMA MG1, IEC 60034 -30 LEVEL IE3	
POWER CORD TYPE	W OR SOOW, WATER RESISTANT, 600V, 90° C	
SENER CORD TYPE	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	CAST IRON      ASTM      A-48      CLASS 30
	CASING WEAR RING	N/A
	MOTOR SHAFT	416 STAINLESS STEEL
	HARDWARE	300 SERIES STAINLESS STEEL
	O-RINGS	NITRILE
MECHANICAL      STANDARD SEALS              OPTIONAL	UPPER - SIC TYPE 2100, LOWER - SIC TYPE 2	
	CARTRIDGE SEAL	
UPPER BEARING	(RADIAL) SINGLE ROW - BALL	
LOWER BEARING	(THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL	

## Technical Data – S4HV(X)P

**MODEL: S4HV(X)P - Hydromatic® Premium Efficient (HPE)  
Submersible Solids Handling Pumps****Physical Data:**

DISCHARGE SIZE	4"
SOLIDS SIZE	3"
IMPELLER TYPE	BALANCED, VORTEX
CABLE LENGTH	35' STANDARD WITH OPTIONAL QUICK CHANGE CONNECTOR
	50', 75', 100' OPTIONAL WITH OPTIONAL QUICK CHANGE CONNECTOR
PAINT	PAINTED AFTER ASSEMBLY. DARK GREEN, WATER REDUCIBLE ENAMEL, ONE COAT, AIR DRIED.

**Temperature:**

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.
	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				
SENDER CORD TYPE	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	CAST IRON	ASTM	A-48	CLASS 30
	CASING WEAR RING	N/A			
	MOTOR SHAFT	416 STAINLESS STEEL			
	HARDWARE	300 SERIES STAINLESS STEEL			
	O-RINGS	NITRILE			
MECHANICAL SEALS	STANDARD	UPPER - SIC TYPE 2100, LOWER - SIC TYPE 2			
	OPTIONAL	CARTRIDGE SEAL			
UPPER BEARING	(RADIAL) SINGLE ROW - BALL				
LOWER BEARING	(THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL				



# Technical Data – S4K(X)P

## MODEL: 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	35' STANDARD WITH OPTIONAL QUICK CHANGE CONNECTOR
	50', 75', 100' OPTIONAL WITH OPTIONAL QUICK CHANGE CONNECTOR
PAINT	PAINTED AFTER ASSEMBLY. DARK GREEN, WATER REDUCIBLE ENAMEL, ONE COAT, AIR DRIED.

### Temperature:

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.
	CLOSED:

### Technical Data:

MOTOR	PREMIUM EFFICIENT NEMA MG1, IEC 60034 -30 LEVEL IE3	
POWER CORD TYPE	W OR SOOW, WATER RESISTANT, 600V, 90° C	
SENER CORD TYPE	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            OPTIONAL	UPPER - SIC TYPE 2100, LOWER - SIC TYPE 2	
	CARTRIDGE SEAL	
UPPER BEARING	(RADIAL) SINGLE ROW - BALL	
LOWER BEARING	(THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL	

## Technical Data – S4L(X)P

**MODEL: S4L(X)P - Hydromatic® Premium Efficient (HPE)  
Submersible Solids Handling Pumps**

**Physical Data:**

DISCHARGE SIZE	4"
SOLIDS SIZE	3-1/4"
IMPELLER TYPE	BALANCED, ENCLOSED, 2 VANE
CABLE LENGTH	35' STANDARD WITH OPTIONAL QUICK CHANGE CONNECTOR
	50', 75', 100' OPTIONAL WITH OPTIONAL QUICK CHANGE CONNECTOR
PAINT	PAINTED AFTER ASSEMBLY. DARK GREEN, WATER REDUCIBLE ENAMEL, ONE COAT, AIR DRIED.

**Temperature:**

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.
	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				
SENDER CORD TYPE	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 SEALS	STANDARD	UPPER - SIC TYPE 2100, LOWER - SIC TYPE 2			
	OPTIONAL	CARTRIDGE SEAL			
UPPER BEARING	(RADIAL) SINGLE ROW - BALL				
LOWER BEARING	(THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL				

# Technical Data – S4B(X)P

## MODEL: S4B(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	35' STANDARD WITH OPTIONAL QUICK CHANGE CONNECTOR
	50', 75', 100' OPTIONAL WITH OPTIONAL QUICK CHANGE CONNECTOR
PAINT	PAINTED AFTER ASSEMBLY. DARK GREEN, WATER REDUCIBLE ENAMEL, ONE COAT, AIR DRIED.

### Temperature:

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.
	CLOSED:

### Technical Data:

MOTOR	PREMIUM EFFICIENT NEMA MG1, IEC 60034 -30 LEVEL IE3	
POWER CORD TYPE	W OR SOOW, WATER RESISTANT, 600V, 90° C	
SENER CORD TYPE	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            OPTIONAL	UPPER - SIC TYPE 2100, LOWER - SIC TYPE 2	
	CARTRIDGE SEAL	
UPPER BEARING	(RADIAL) SINGLE ROW - BALL	
LOWER BEARING	(THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL	

## Technical Data – H4Q(X)P

**MODEL: H4Q(X)P - Hydromatic® Premium Efficient (HPE)  
Submersible Solids Handling Pumps****Physical Data:**

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

**Temperature:**

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.
	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				
SENDER CORD TYPE	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 SEALS	STANDARD	UPPER - SIC TYPE 2100, LOWER - SIC TYPE 2			
	OPTIONAL	CARTRIDGE SEAL			
UPPER BEARING	(RADIAL) SINGLE ROW - BALL				
LOWER BEARING	(THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL				

# Technical Data – S4LV(X)P

## MODEL: S4LV(X)P - Hydromatic® Premium Efficient (HPE) Submersible Solids Handling Pumps

### Physical Data:

DISCHARGE SIZE	4"
SOLIDS SIZE	3-1/4"
IMPELLER TYPE	BALANCED, ENCLOSED, VORTEX
CABLE LENGTH	35' STANDARD WITH OPTIONAL QUICK CHANGE CONNECTOR
	50', 75', 100' OPTIONAL WITH OPTIONAL QUICK CHANGE CONNECTOR
PAINT	PAINTED AFTER ASSEMBLY. DARK GREEN, WATER REDUCIBLE ENAMEL, ONE COAT, AIR DRIED.

### Temperature:

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.

### Technical Data:

MOTOR	PREMIUM EFFICIENT NEMA MG1, IEC 60034 -30 LEVEL IE3	
POWER CORD TYPE	W OR SOOW, WATER RESISTANT, 600V, 90° C	
SENER CORD TYPE	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            OPTIONAL	UPPER - SIC TYPE 2100, LOWER - SIC TYPE 2	
	CARTRIDGE SEAL	
UPPER BEARING	(RADIAL) SINGLE ROW - BALL	
LOWER BEARING	(THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL	

## Technical Data – S6L(X)P

**MODEL: S6L(X)P - Hydromatic® Premium Efficient (HPE)  
Submersible Solids Handling Pumps****Physical Data:**

DISCHARGE SIZE	6"
SOLIDS SIZE	3-1/4"
IMPELLER TYPE	BALANCED, ENCLOSED, 2 VANE
CABLE LENGTH	35' STANDARD WITH OPTIONAL QUICK CHANGE CONNECTOR
	50', 75', 100' OPTIONAL WITH OPTIONAL QUICK CHANGE CONNECTOR
PAINT	PAINTED AFTER ASSEMBLY. DARK GREEN, WATER REDUCIBLE ENAMEL, ONE COAT, AIR DRIED.

**Temperature:**

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.
	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	
SENER CORD TYPE	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 SEALS	STANDARD	UPPER - SIC TYPE 2100, LOWER - SIC TYPE 2
	OPTIONAL	CARTRIDGE SEAL
UPPER BEARING	(RADIAL) SINGLE ROW - BALL	
LOWER BEARING	(THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL	

# Technical Data – S6A(X)P

## MODEL: S6A(X)P - Hydromatic® Premium Efficient (HPE) Submersible Solids Handling Pumps

### Physical Data:

DISCHARGE SIZE	6"
SOLIDS SIZE	3-3/4"
IMPELLER TYPE	BALANCED, ENCLOSED, 2 VANE
CABLE LENGTH	35' STANDARD WITH OPTIONAL QUICK CHANGE CONNECTOR
	50', 75', 100' OPTIONAL WITH OPTIONAL QUICK CHANGE CONNECTOR
PAINT	PAINTED AFTER ASSEMBLY. DARK GREEN, WATER REDUCIBLE ENAMEL, ONE COAT, AIR DRIED.

### Temperature:

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.
	CLOSED:

### Technical Data:

MOTOR	PREMIUM EFFICIENT NEMA MG1, IEC 60034 -30 LEVEL IE3	
POWER CORD TYPE	W OR SOOW, WATER RESISTANT, 600V, 90° C	
SENER CORD TYPE	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 SEALS      STANDARD      OPTIONAL	UPPER - SIC TYPE 2100, LOWER - SIC TYPE 2	
	CARTRIDGE SEAL	
UPPER BEARING	(RADIAL) SINGLE ROW - BALL	
LOWER BEARING	(THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL	

Technical Data – **S8F(X)P****MODEL: S8F(X)P - Hydromatic® Premium Efficient (HPE)  
Submersible Solids Handling Pumps****Physical Data:**

DISCHARGE SIZE	8"
SOLIDS SIZE	3-1/4"
IMPELLER TYPE	BALANCED, ENCLOSED, 2 VANE
CABLE LENGTH	35' STANDARD WITH OPTIONAL QUICK CHANGE CONNECTOR
	50', 75', 100' OPTIONAL WITH OPTIONAL QUICK CHANGE CONNECTOR
PAINT	PAINTED AFTER ASSEMBLY. DARK GREEN, WATER REDUCIBLE ENAMEL, ONE COAT, AIR DRIED.

**Temperature:**

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.
	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				
SENER CORD TYPE	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 SEALS	STANDARD	UPPER - SIC TYPE 2100, LOWER - SIC TYPE 2			
	OPTIONAL	CARTRIDGE SEAL			
UPPER BEARING	(RADIAL) SINGLE ROW - BALL				
LOWER BEARING	(THRUST) DOUBLE ROW, ANGULAR CONTACT - BALL				



# Technical Data – S4T(X)P

## MODEL: S4T(X)P — Solids Handling Sewage Pumps

### Physical Data:

DISCHARGE SIZE	4"
IMPELLER TYPE	BALANCED, ENCLOSED, 2 VANE
CABLE LENGTH	35' STANDARD 50' OPTIONAL

### Liquid Handling:

SOLIDS SIZE	3"
MAXIMUM LIQUID TEMP.	140°F
ACCEPTABLE PH RANGE	6 - 9
SPECIFIC GRAVITY	0.9 - 1.1
VISCOSITY	28 - 35 SSU

### Temperature:

MAXIMUM STATOR	311°F
OIL FLASH POINT	390°F
HEAT SENSOR	Open: 311°F MAX./293°F MIN. Closed: 243°F MAX./192°F MIN.

### Technical Data:

POWER CORD TYPE	SOOW, W, GGC				
SENSOR CORD TYPE	SOOW				
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	
	CASING WEAR RING	BRONZE	ASTM	B-584-836	ALLOY 115
	MOTOR SHAFT	416 STAINLESS STEEL			
	HARDWARE	300 SERIES STAINLESS STEEL			
	"O" RINGS	NITRILE			
MECHANICAL SEALS	Standard:	UPPER AND LOWER CARBON / CERAMIC / FLUOROCARBON, TYPE 21			
	Optional:	LOWER TUNGSTEN CARBIDE / TUNGSTEN CARBIDE / FLUOROCARBON, TYPE 21			
	Optional:	LOWER SILICON CARBIDE / SILICON CARBIDE / FLUOROCARBON, TYPE 21			
UPPER BEARING	(RADIAL) SINGLE ROW — BALL				
LOWER BEARING	(THRUST) SINGLE ROW — BALL				

## Technical Data – S8LA(X)P

**MODEL: S8LA(X)P — Solids Handling Sewage Pumps****Physical Data:**

DISCHARGE SIZE	8"
IMPELLER TYPE	BALANCED, ENCLOSED, 2 VANE
CABLE LENGTH	35' STANDARD 50' OPTIONAL

**Liquid Handling:**

SOLIDS SIZE	3"
MAXIMUM LIQUID TEMP.	140°F
ACCEPTABLE PH RANGE	6 -9
SPECIFIC GRAVITY	0.9 - 1.1
VISCOSITY	28 - 35 SSU

**Temperature:**

MAXIMUM STATOR	311°F
OIL FLASH POINT	390°F
HEAT SENSOR	Open: 311°F MAX./293°F MIN. Closed: 243°F MAX./192°F MIN.

**Technical Data:**

POWER CORD TYPE	SOOW, W, GGC	
SENSOR CORD TYPE	SOOW	
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
	CASING WEAR RING	BRONZE ASTM B-584-836 ALLOY 115
	MOTOR SHAFT	416 STAINLESS STEEL
	HARDWARE	300 SERIES STAINLESS STEEL
	"O" RINGS	NITRILE
MECHANICAL SEALS	Standard: UPPER AND LOWER CARBON/CERAMIC/FLUOROCARBON, TYPE 21 Optional: LOWER TUNGSTEN CARBIDE/TUNGSTEN CARBIDE/ FLUOROCARBON, TYPE 21 Optional: LOWER SILICON CARBIDE/SILICON CARBIDE/ FLUOROCARBON, TYPE 21	
UPPER BEARING	(RADIAL) SINGLE ROW — BALL	
LOWER BEARING	(THRUST) SINGLE ROW — BALL	

# Technical Data – S8L(X)P

## MODEL: S8L(X)P — Solids Handling Sewage Pumps

### Physical Data:

DISCHARGE SIZE	8"
IMPELLER TYPE	BALANCED, ENCLOSED, 2 VANE
CABLE LENGTH	35' STANDARD 50' OPTIONAL

### Liquid Handling:

SOLIDS SIZE	4"
MAXIMUM LIQUID TEMP.	140°F
ACCEPTABLE PH RANGE	6 - 9
SPECIFIC GRAVITY	0.9 - 1.1
VISCOSITY	28 - 35 SSU

### Temperature:

MAXIMUM STATOR	311°F
OIL FLASH POINT	390°F
HEAT SENSOR	Open: 311°F MAX./293°F MIN. Closed: 243°F MAX./192°F MIN.

### Technical Data:

POWER CORD TYPE	SOOW, W, GGC	
SENSOR CORD TYPE	SOOW	
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
	CASING WEAR RING	BRONZE ASTM B-584-836 ALLOY 115
	MOTOR SHAFT	416 STAINLESS STEEL
	HARDWARE	300 SERIES STAINLESS STEEL
	"O" RINGS	NITRILE
MECHANICAL SEALS	Standard: UPPER AND LOWER CARBON/CERAMIC/FLUOROCARBON, TYPE 21 Optional: LOWER TUNGSTEN CARBIDE/TUNGSTEN CARBIDE/FLUOROCARBON, TYPE 21 Optional: LOWER SILICON CARBIDE/SILICON CARBIDE/FLUOROCARBON, TYPE 21	
UPPER BEARING	(RADIAL) SINGLE ROW — BALL	
LOWER BEARING	(THRUST) SINGLE ROW — BALL	

## Technical Data – S12L(X)P

**MODEL: S12L(X)P — Solids Handling Sewage Pumps****Physical Data:**

DISCHARGE SIZE	12"
IMPELLER TYPE	BALANCED, ENCLOSED, 2 VANE
CABLE LENGTH	35' STANDARD 50' OPTIONAL

**Liquid Handling:**

SOLIDS SIZE	6"
MAXIMUM LIQUID TEMP.	140°F
ACCEPTABLE PH RANGE	6 - 9
SPECIFIC GRAVITY	0.9 - 1.1
VISCOSITY	28 - 35 SSU

**Temperature:**

MAXIMUM STATOR	311°F
OIL FLASH POINT	390°F
HEAT SENSOR	Open: 311°F MAX./293°F MIN. Closed: 243°F MAX./192°F MIN.

**Technical Data:**

POWER CORD TYPE	SOOW, W, GGC				
SENSOR CORD TYPE	SOOW				
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	
	CASING WEAR RING	BRONZE	ASTM	B-584-836	ALLOY 115
	MOTOR SHAFT	416 STAINLESS STEEL			
	HARDWARE	300 SERIES STAINLESS STEEL			
	"O" RINGS	NITRILE			
MECHANICAL SEALS	Standard:	UPPER AND LOWER CARBON / CERAMIC / FLUOROCARBON, TYPE 21			
	Optional:	LOWER TUNGSTEN CARBIDE / TUNGSTEN CARBIDE / FLUOROCARBON, TYPE 21			
	Optional:	LOWER SILICON CARBIDE / SILICON CARBIDE / FLUOROCARBON, TYPE 21			
UPPER BEARING	(RADIAL) SINGLE ROW — BALL				
LOWER BEARING	(THRUST) SINGLE ROW — BALL				