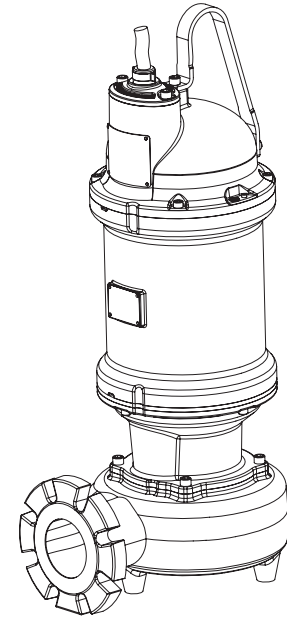


Solids Handling Submersible Pumps

Specifications:

DISCHARGE	4", 125 lb. Horizontal Flange Slotted to accommodate 100mm ISO Flanges
LIQUID TEMPERATURE ...	104°F (40°C) Continuous
VOLUTE	Cast Iron ASTM A-48, Class 30
MOTOR HOUSING	Cast Iron ASTM A-48, Class 30
SEAL PLATE	Cast Iron ASTM A-48, Class 30
IMPELLER:	
<i>Design</i>	Vortex, With Pump Out Vaness on Back Side. Dynamically Balanced ISO G6.3
<i>Material</i>	Ductile Iron ASTM A-536, 65-45-12
SHAFT	416 Stainless Steel
"O" RINGS	Buna-N
HARDWARE	300 Series Stainless Steel
LIFTING BAIL	300 Series Stainless Steel
PAINT	Epoxy Dupont Corlar® Amine Epoxy, Two Coats
SEAL: Design	Tandem Mechanical, Oil Filled Reservoir.
<i>Material: Inboard</i>	Rotating Faces - Carbon Stationary Faces - Ceramic
<i>Material: Outboard</i> ..	Rotating Faces - Silicon Carbide Stationary Faces - Silicon Carbide Elastomer - Buna-N Hardware - 300 Series Stainless
CORD ENTRY	Custom Molded, Quick Connected for Sealing and Strain Relief
POWER CORD	CSA Certified Submersible Power Cable 2000V - Ordered Separately
SPEED	3450 RPM (Nominal)
UPPER BEARING:	
<i>Design</i>	Single Row, Ball, Oil Lubricated
<i>Load</i>	Radial
LOWER BEARING:	
<i>Design</i>	Double Row, Ball, Oil Lubricated
<i>Load</i>	Radial & Thrust
MOTOR: Design	NEMA B Three Phase Torque Curve. Oil-Filled, Squirrel Cage Induction, Inverted duty rated per NEMA MG1
<i>Insulation</i>	Class H, Varnish & Magnet Wire
THREE PHASE	Tri-voltage 208-230/460V up to 15HP, Dual Voltage 230/460V up to 20 HP, 460V only 25 & 30 HP & 575V; 7.5 thru 30HP. Requires Overload Protection to be Included in control panel.
MOISTURE SENSOR	Normally Open (N/O), Requires Relay in Control Panel
TEMPERATURE SENSOR ..	Three Normally Closed (N/C). To be wired in series with contactor control circuit
OPTIONAL EQUIPMENT ..	Seal Material, Impeller Trims, Cord Length, Leg Kit (p/n 125506)
MARKINGS	CSA, CE
WEIGHT	399 lbs
NOISE EMISSION MAX	In-Air 81 dB-A
SUBMERGENCE	Max Depth 66ft (20m)



Series: 4SHV
7.5 - 30HP, 3450RPM, 60Hz



Canadian Standards Association
File No. LR16567-25



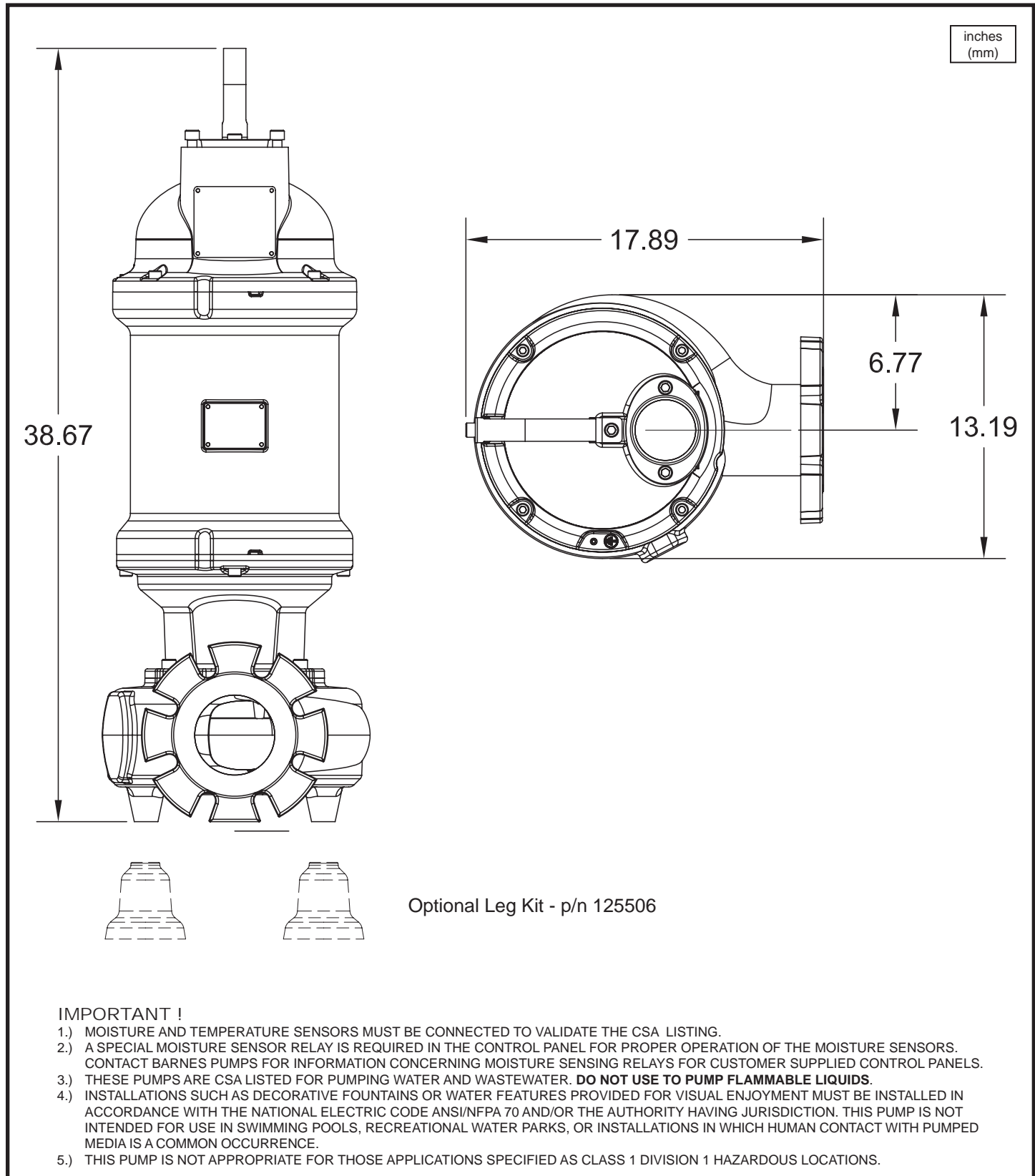
Patent Pending

Sample Specifications: Section 1 Page 21.

DESCRIPTION:

SUBMERSIBLE NON-CLOG SEWAGE PUMP DESIGNED FOR RAW SEWAGE APPLICATIONS.

Solids Handling Submersible Pumps



Solids Handling Submersible Pumps

MODEL NO	PART NO	"A" DIM	HP	VOLT / Ph	PH	Hz	RPM (Nom)	NEMA START CODE	FULL LOAD AMPS	1-2 SERVICE FACTOR AMPS	LOCKED ROTOR AMPS	CORD P/N
4SHVA75N2	127442	38.67	7.5	208	3	60	3450	K	35.5-32.1/16.1	38.8-35.1/17.5	195.7/88.5	125498
				230								
				460								
4SHVA7552	127443	38.67	7.5	575	3	60	3450	K	12.9	14.0	70.8	125497
				208								
				230								
4SHVA100N2	127444	38.67	10.0	460	3	60	3450	H	41.1-37.1/18.6	45.9-41.6/20.8	195.7/88.5	125498
				230								
				460								
4SHVA10052	127445	38.67	10.0	575	3	60	3450	H	14.9	16.6	70.8	125497
				208								
				230								
4SHVA150N2	127446	38.67	15.0	460	3	60	3450	E	54.1-48.9/24.4	59.0-57.1/28.5	195.7/88.5	125498
				230								
				460								
4SHVA15052	127447	38.67	15.0	575	3	60	3450	E	19.5	22.8	70.8	125497
				230								
				460								
4SHVA20082	127448	38.67	20.0	460	3	60	3450	J	50.8/25.4	59.0/29.7	189.0	125498
				230								
				460								
4SHVA20052	127449	38.67	20.0	575	3	60	3450	J	20.3	23.8	151.2	125497
				460								
				460								
4SHVA25042	127450	38.67	25.0	460	3	60	3450	G	30.8	36.7	189.0	125499
				575								
				460								
4SHVA25052	127451	38.67	25.0	575	3	60	3450	G	24.6	29.4	151.2	125497
				460								
				460								
4SHVA30042	127452	38.67	30.0	460	3	60	3450	F	36.7	44.3	189.0	125499
				575								
				460								
4SHVA30052	127453	38.67	30.0	575	3	60	3450	F	29.4	35.4	151.2	125499
				208								
				230								
4SHVB75N2	127490	38.67	7.5	460	3	60	3450	K	35.5-32.1/16.1	38.8-35.1/17.5	195.7/88.5	125498
				230								
				460								
4SHVB7552	127491	38.67	7.5	575	3	60	3450	K	12.9	14.0	70.8	125497
				208								
				460								
4SHVB100N2	127492	38.67	10.0	230	3	60	3450	H	41.1-37.1/18.6	45.9-41.6/20.8	195.7/88.5	125498
				460								
				460								
4SHVB10052	127493	38.67	10.0	575	3	60	3450	H	14.9	16.6	70.8	125497
				208								
				460								
4SHVB150N2	127494	38.67	15.0	230	3	60	3450	E	54.1-48.9/24.4	59.0-57.1/28.5	195.7/88.5	125498
				460								
				460								
4SHVB15052	127495	38.67	15.0	575	3	60	3450	E	19.5	22.8	70.8	125497
				230								
				460								
4SHVB20082	127496	38.67	20.0	460	3	60	3450	J	50.8/25.4	59.0/29.7	189.0	125497
				230								
				460								
4SHVB20052	127497	38.67	20.0	575	3	60	3450	J	20.3	23.8	151.2	125497
				460								
				460								
4SHVB25042	127498	38.67	25.0	460	3	60	3450	G	30.8	36.7	189.0	125499
				575								
				460								
4SHVB25052	127499	38.67	25.0	575	3	60	3450	G	24.6	29.4	151.2	125497
				460								
				460								
4SHVB30042	127500	38.67	30.0	460	3	60	3450	F	36.7	44.3	189.0	125499
				575								
				460								
4SHVB30052	127501	38.67	30.0	575	3	60	3450	F	29.4	35.4	151.2	125499
				230								
				460								

*** CORD ORDERED SEPARATELY ***

Moisture and Temperature sensor leads are integral to power cord.

Pump rated for operation at ± 10% voltage at motor.

IMPORTANT !

Moisture and Temperature sensor leads are integral to power cord.

Winding Resistance 7.5% Winding resistance measured in OHMS @ 25°C (Between Lines) at motor leads.

Pump rated for operation at ± 10% voltage at motor.

Cord Suffix: XF - 50 Feet, XJ - 75 Feet, or XL - 100 Feet.

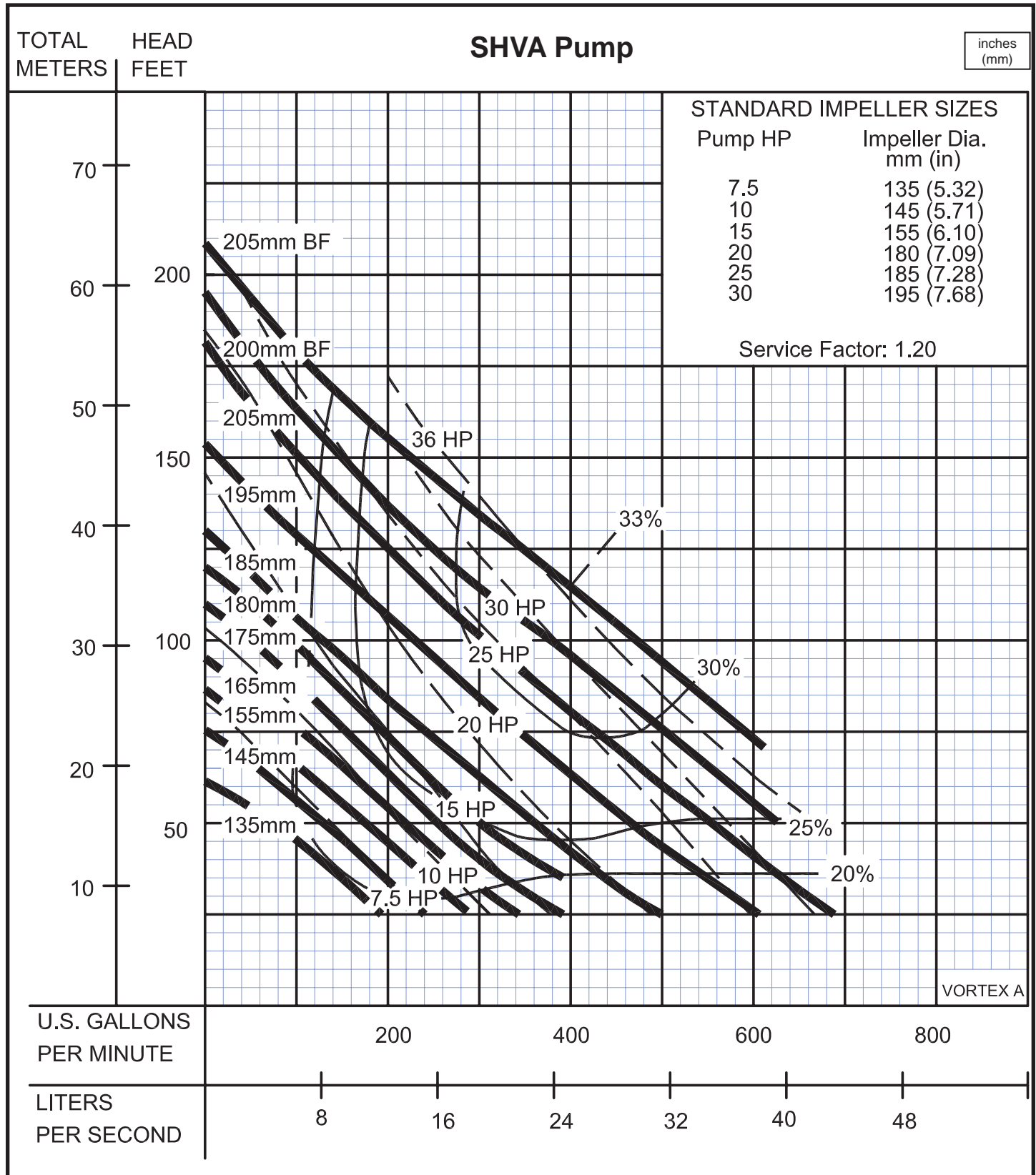
Series 4SHV

Performance Curve
7.5 - 30HP, 3450RPM, 60Hz



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Solids Handling Submersible Pumps



SECTION 0.1A
PAGE 4
DATE 9/09



A Crane Co. Company

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