



# SUBMERSIBLE SOLIDS HANDLING PUMP

Series: **4SWL-DS**

15 - 40 HP @ 1750 RPM

7.5 - 15 HP @ 1150 RPM

Discharge: 4"

Spherical solids handling: 3"



## DISCHARGE

4", 125 lb, horizontal flange, slotted to accommodate 100 mm ISO flange.

## 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

**Design:** enclosed mono vane with pump-out vanes on back side. Dynamically balanced.

**Material:** ductile iron ASTM A-536, 65-45-12.

## SHAFT

416 series stainless steel

## HARDWARE

300 series stainless steel

## O-RINGS

Buna-N

## LIFTING BAIL

300 series stainless steel

## MAX. SUBMERGENCE

66 ft (20 m)

## PAINT

Epoxy

## SEAL

**Design:** tandem, mechanical, in oil filled reservoir.

**Material:** inboard rotating faces, carbon; stationary faces, ceramic. Outboard rotating and stationary faces, silicon carbide. Buna-N elastomer and 300 series stainless steel hardware.

## CORDENTRY

40 ft cord, epoxy sealed housing, with secondary pressure grommet for sealing and strain relief.

## BEARINGS

**Upper:** ball, single row and oil lubricated, for radial load.

**Lower:** ball, double row and oil lubricated, for radial and thrust loads.

## MOTOR

NEMA three phase 208/230 & 460 V, premium efficiency, oil-filled, squirrel cage induction, inverted duty rated. Class H insulation. Requires overload protection in control panel.

## MOISTURE SENSOR

Normally open (N/O), requires relay and panel.

## TEMPERATURE SENSOR

Normally closed (N/C), to be wired in series with control circuit.

## OPTIONAL EQUIPMENT

Slide rail coupling, leg kit and seal material.

Last update: 05/10/2023

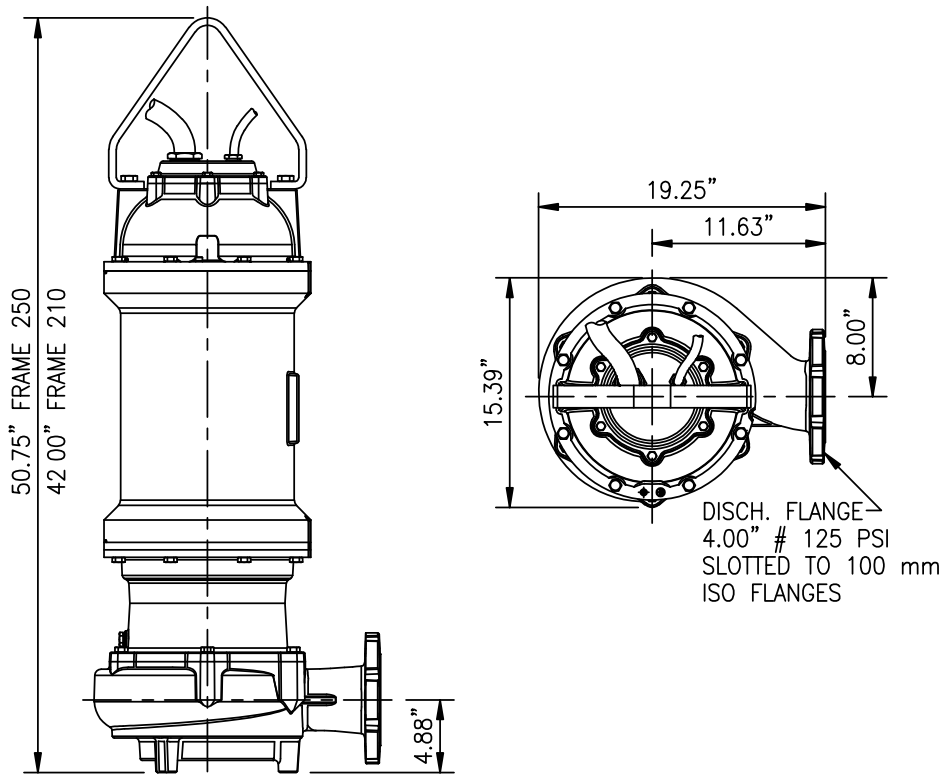
North America: 866 777 6060  
Int'l: +1 267 404 2910

Springer Pumps  
Springer Parts

[www.springerpumps.com](http://www.springerpumps.com)  
[www.springerparts.com](http://www.springerparts.com)

TECHNICAL DATA SHEET

# SPECIFICATIONS



MODEL	PART No.	HP	PH	VOLTS	RPM (nom)	NEMA START CODE	FULL LOAD AMPS	SF	AMPS SF	FRAME	POWER CORD SIZE	WEIGHT (lb)
4SWL15034DS	62172001	15	3	208/230	1750	E	39/37.2	1.15	45/42.8	210	10/4	492
4SWL15044DS	62172002			460			18.6		21.4			
4SWL20034DS	62172003	20	3	208/230	1750	J	52.8/48	1.15	60.7/55	250	8/4	602
4SWL20044DS	62172004			460			24.1		27.3			
4SWL25034DS	62172005	25	3	208/230	1750	G	65/59	1.15	74.8/67.8	250	8/4	620
4SWL25044DS	62172006			460			29.5		34			
4SWL30034DS	62172007	30	3	208/230	1750	E	93.4/82.3	1.15	107/94	250	8/4	640
4SWL30044DS	62172008			F		46.7	53					
4SWL40044DS	62172010	40	3	460	1750	E	48	1.15	55.2	250	8/4	670
4SWL7536DS	62172011	7.5	3	208/230	1150	J	20	1.15	25/23	250	8/4	568
4SWL7546DS	62172012			460			10		11.5			
4SWL10036DS	62172013	10	3	208/230	1150	E	29/27	1.15	37/33	250	10/4	585
4SWL10046DS	62172014			460			13.5		18.4			
4SWL15036DS	62172015	15	3	208/230	1150	H	47.43	1.15	54/49.4	250	10/4	610
4SWL15046DS	62172016			460			21.5		24.7			

Note: Seal moisture and temperature sensor cord in all models size 18/5.

### IMPORTANT!

1. Never use this pump to handle explosive liquids.
2. This pump is not approved to be used in swimming pools, recreational installations or any application where human contact may be common.
3. Moisture and temperature sensors must be connected to validate the warranty.
4. This pump is not appropriate for those applications specified as class 1 division 1 hazardous locations.

North America: 866 777 6060  
Int'l: +1 267 404 2910

Springer Pumps  
Springer Parts

[barmesapumps.com/US](http://barmesapumps.com/US)  
[www.springerpumps.com](http://www.springerpumps.com)  
[www.springerparts.com](http://www.springerparts.com)

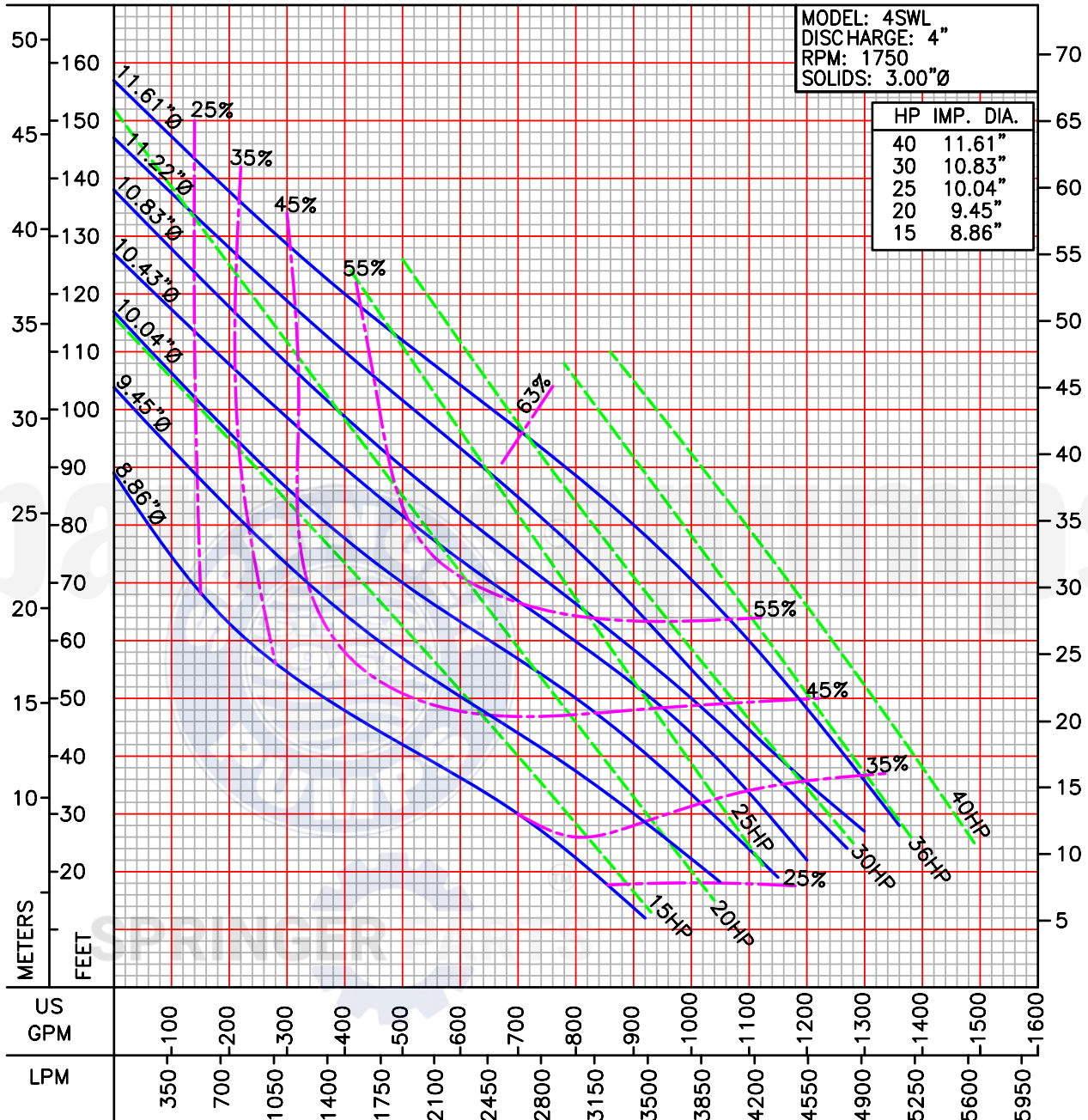


# PERFORMANCE CURVES

Submersible Solids

Handling Pump

Series: **4SWL-DS @ 1750 RPM**



LIQUID: WATER  
 SPECIFIC GRAVITY: 1.00

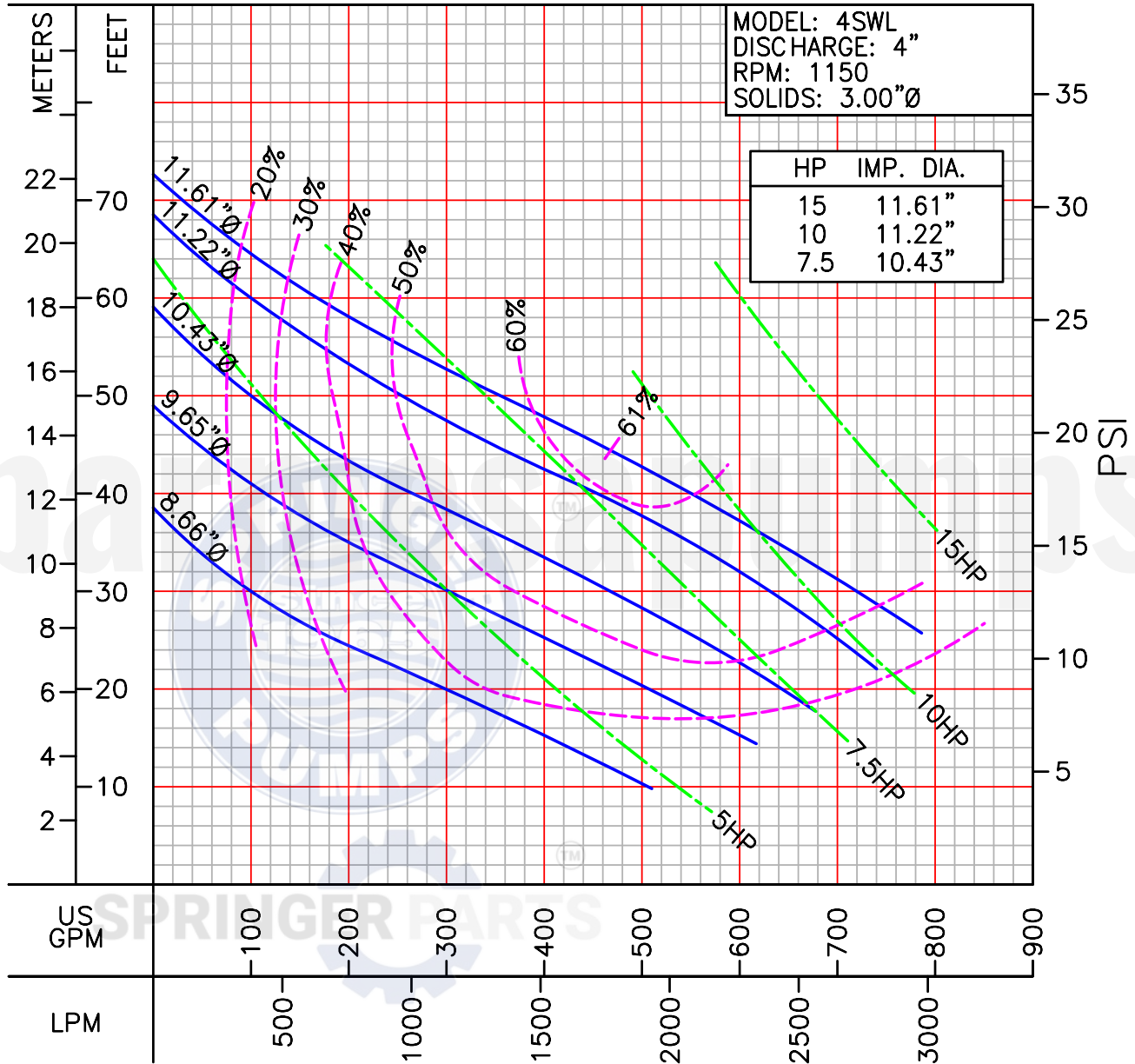
TEMPERATURE: 70° F (21° C)  
 MAXIMUM DIA. SOLIDS: 3.00"Ø

## PERFORMANCE CURVES

Submersible Solids

Handling Pump

Series: **4SWL-DS @ 1150 RPM**



LIQUID: WATER  
SPECIFIC GRAVITY: 1.00

TEMPERATURE: 70° F (21° C)  
MAXIMUM DIA. SOLIDS: 3.00"Ø