

## WS SERIES - 1/2 HP, 1 HP

### APPLICATIONS

Ideal for handling raw sewage, commercial dewatering sump applications with up to 2" solids

### FEATURES

- All cast iron construction
- Oil-filled motor with double ball bearing capacitor start designed for high torque (single-phase only)
- Designed for continuous duty
- Switch options for automatic operation
- 2" (50 mm) NPT
- Handles solids up to 2" (51 mm) diameter
- Power cord sealed at motor housing
- 120 °F (49 °C) liquid temperature rating
- cCSAus listed



### SERIES SPECIFICATIONS

Item No.	Model	HP	Volts	Phase	Hz	Amps		Watts	Performance (GPM @ Height in Feet)							Shut-Off (ft)	PSI
						FLA	Start		5'	10'	15'	20'	25'	30'	35'		
620012	WS51M	1/2	115	1	60	11.6	47.4	940	155	120	83	52	-	-	-	27	11.7
620002	WS51AM	1/2	115	1	60	11.6	47.4	940	155	120	83	52	-	-	-	27	11.7
620013	WS52M	1/2	115	1	60	11.6	47.4	940	135	90	47	14	-	-	-	23	10
620003	WS52AM	1/2	115	1	60	11.6	47.4	940	135	90	47	14	-	-	-	23	10
620254	WS52HM	1/2	115	1	60	15	26.9	1520	-	128	97	68	32	-	-	29	12.5
620255	WS52HAM	1/2	115	1	60	15	26.9	1520	-	128	97	68	32	-	-	29	12.5
620256	WS52HM-12	1/2	208-230	1	60	9.7	32.6	1480	-	128	97	68	32	-	-	29	12.5
620257	WS52HAM-12	1/2	208-230	1	60	9.7	32.6	1480	-	128	97	68	32	-	-	29	12.5
620203	WS102M-12	1	208-230	1	60	9.8/10.7	26.7	1735	-	168	144	118	85	46	-	37	16
620215	WS102AM-12	1	208-230	1	60	9.8/10.7	26.7	1735	-	168	144	118	85	46	-	37	16
620208	WS102M-32	1	208-230	3**	60	4.3/4.58	6.8	1550	-	168	144	118	85	46	-	37	16
620209	WS102M-34	1	460	3**	60	2.15	3.4	1490	-	168	144	118	85	46	-	37	16
620258	WS102HM-12	1	230	1	60	13.6	37.0	2330	-	190	170	148	124	100	74	48	20.8
620259	WS102HAM-12	1	230	1	60	13.6	37.0	2330	-	190	170	148	124	100	74	48	20.8

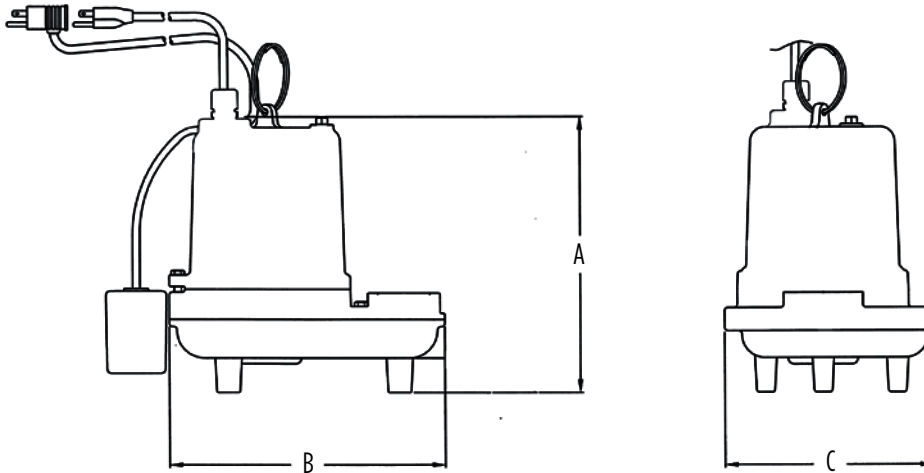
\*\* Three-phase pumps must have a three-phase control panel for automatic or manual operation

Item No.	Model	Volts	Switch Type/ Operation	On Level	Off Level	Cord	Weight
620012	WS51M	115	Manual	-	-	20' - 6.1 m	55 lbs - 24.95 Kg
620002	WS51AM	115	Piggyback Mechanical Float Switch	Adjustable		20' - 6.1 m	57 lbs - 25.85 Kg
620013	WS52M	115	Manual	-	-	20' - 6.1 m	57 lbs - 25.85 Kg
620003	WS52AM	115	Piggyback Mechanical Float Switch	Adjustable		20' - 6.1 m	59 lbs - 26.76 Kg
620254	WS52HM	115	Manual	-	-	30' - 9.1 m	58 lbs - 26.31 Kg
620255	WS52HAM	115	Piggyback Mechanical Float Switch	Adjustable		30' - 9.1 m	60 lbs - 27.22 Kg
620256	WS52HM-12	208-230	Manual	-	-	30' - 9.1 m	60 lbs - 27.22 Kg
620257	WS52HAM-12	208-230	Piggyback Mechanical Float Switch	Adjustable		30' - 9.1 m	60 lbs - 27.22 Kg
620203	WS102M-12	208-230	Manual	-	-	20' - 6.1 m	62 lbs - 28.12 Kg
620215	WS102AM-12	208-230	Piggyback Mechanical Float Switch	Adjustable		20' - 6.1 m	64 lbs - 29.03 Kg
620208	WS102M-32	208-230	Manual	-	-	20' - 6.1 m	63 lbs - 28.58 Kg
620209	WS102M-34	460	Manual	-	-	20' - 6.1 m	63 lbs - 28.58 Kg
620258	WS102HM-12	230	Manual	-	-	30' - 9.1 m	61 lbs - 27.67 Kg
620259	WS102HAM-12	230	Piggyback Mechanical Float Switch	Adjustable		30' - 9.1 m	63 lbs - 28.58 Kg

# SEWAGE PUMPS

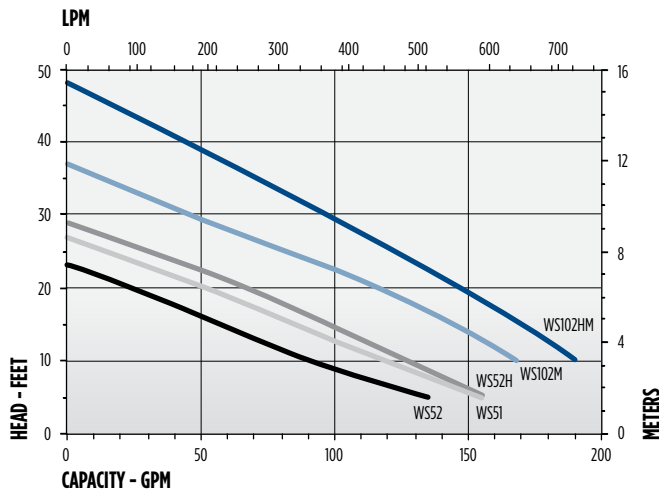
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### ENGINEERING DATA



Model	A	B	C
WS51	13.25" 33.66 cm	12.25" 31.12 cm	9.38" 23.83 cm
WS52	14" 35.56 cm	12.25" 31.12 cm	9.38" 23.83 cm
WS52H	15.1" 38.36 cm	12.25" 31.12 cm	9.38" 23.83 cm
WS102	15.1" 38.36 cm	12.25" 31.12 cm	9.38" 23.83 cm
WS102H	15.1" 38.36 cm	12.25" 31.12 cm	9.38" 23.83 cm

### PERFORMANCE DATA



### CONSTRUCTION

<b>Motor Housing</b>	Cast iron
<b>Impeller Material</b>	Cast iron
<b>Impeller Type</b>	Non-clog
<b>Volute</b>	Cast iron
<b>Motor Shaft</b>	Stainless steel
<b>Shaft Seal</b>	Carbon/ceramic
<b>Fasteners</b>	Stainless steel
<b>Bearings</b>	Upper and lower ball bearings
<b>Power Cord</b>	SJTW - 620012, 620002, 620013, 620254, 620255, 620256, 620257, and 620258 SJOW - 620003, 620203, 620215, 620208, 620209, and 620259