

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

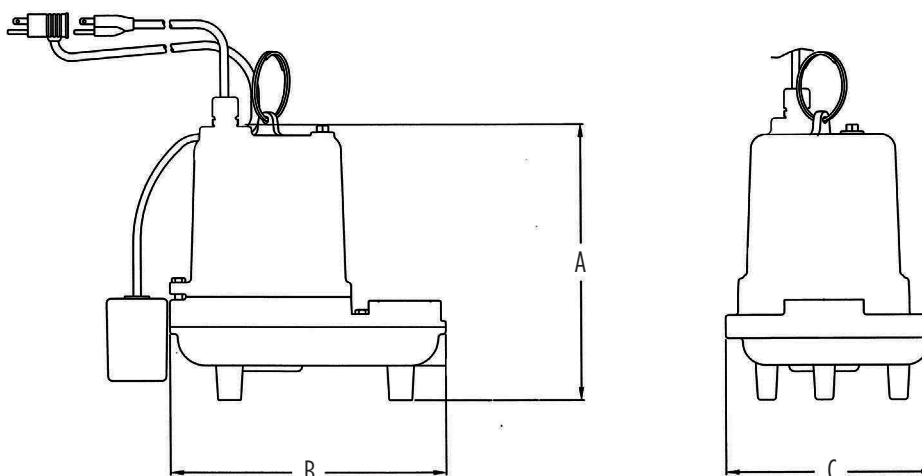
Item No.	Model	HP	Volts	Phase	Hz	Amps		Watts	Gallons per minute (Liters per minute) @ Height							Shut-Off	PSI
						FLA	Start		5'	10'	15'	20'	25'	30'	35'		
620013	WS52M	1/2	115	1	60	11.6	47.4	940	135 (511)	90 (341)	47 (178)	14 (53)	-	-	-	23' (7 m)	10
620003	WS52AM	1/2	115	1	60	11.6	47.4	940	135 (511)	90 (341)	47 (178)	14 (53)	-	-	-	23' (7 m)	10
620254	WS52HM	1/2	115	1	60	15	26.9	1520	-	128 (485)	97 (367)	68 (257)	32 (121)	-	-	29' (8.8 m)	12.5
620256	WS52HM-12	1/2	208-230	1	60	9.7	32.6	1480	-	128 (485)	97 (367)	68 (257)	32 (121)	-	-	29' (8.8 m)	12.5
620203	WS102M-12	1	208-230	1	60	9.8/10.7	26.7	1735	-	168 (636)	144 (545)	118 (447)	85 (322)	46 (174)	-	37' (11.3 m)	16
620258	WS102HM-12	1	230	1	60	13.6	37.0	2330	-	190 (719)	170 (644)	148 (560)	124 (469)	100 (379)	74 (280)	48' (14.6 m)	20.8
620259	WS102HAM-12	1	230	1	60	13.6	37.0	2330	-	190 (719)	170 (644)	148 (560)	124 (469)	100 (379)	74 (280)	48' (14.6 m)	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 lbs (Kg)
620013	WS52M	115	Manual	-	-	20' (6.1 m)	57 (25.85 Kg)
620003	WS52AM	115	Piggyback Mechanical Float Switch	Adjustable		20' (6.1 m)	59 (26.76 Kg)
620254	WS52HM	115	Manual	-	-	30' (9.1 m)	58 (26.31 Kg)
620256	WS52HM-12	208-230	Manual	-	-	30' (9.1 m)	60 (27.22 Kg)
620203	WS102M-12	208-230	Manual	-	-	20' (6.1 m)	62 (28.12 Kg)
620258	WS102HM-12	230	Manual	-	-	30' (9.1 m)	61 (27.67 Kg)
620259	WS102HAM-12	230	Piggyback Mechanical Float Switch	Adjustable		30' (9.1 m)	63 (28.58 Kg)

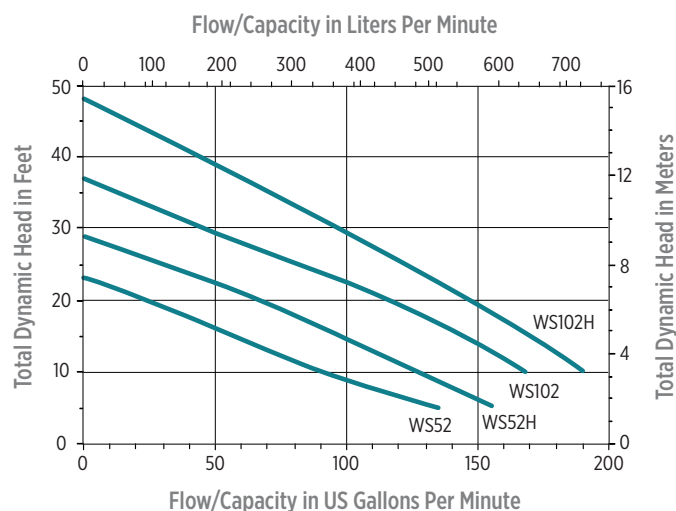
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ENGINEERING DATA



Model	A	B	C
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

Motor Housing	Cast iron
Impeller Material	Cast iron
Impeller Type	Non-clog
Volute	Cast iron
Motor Shaft	Stainless steel
Shaft Seal	Carbon/ceramic
Fasteners	Stainless steel
Bearings	Upper and lower ball bearings
Power Cord	SJTW - 620013, 620254, 620256, and 620258 SJOW - 620003, 620203, and 620259