

## Basement Watchdog - Combination Pump Specifications

<b>CITE-33</b> 1/3 HP Sump Pump Basement Watchdog	<b>CITS-50</b> 1/2 HP Sump Pump Basement Watchdog
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### PUMP (AC)

Flow @ 0 ft. GPH (0 M.)	3,720 GPH	14,082 LPH	4,400 GPH	16,656 LPH
Flow @ 0 ft. GPM (0 M.)	62 GPM	235 LPM	73.3 GPM	277 LPM
Flow @ 10 ft. GPH (3 M.)	3,100 GPH	11,735 LPH	3,540 GPH	13,400 LPH
Flow @ 10 ft. GPM (3 M.)	51.6 GPM	189.5 LPM	59 GPM	223.3 LPM
Max. Head	22 ft.	6.7 M	25 ft.	7.6 M
Pump Discharge	1-1/2" NPT	3.8 cm	1-1/2" NPT	3.8 cm
Motor - HP	1/3 HP		1/2 HP	
Motor Type	PSC		PSC	
Voltage	115 VAC, 60 Hz		115 VAC, 60 Hz	
Amps. @ 10 Ft. Total Head	3.5 Amps		4.2 Amps	
Gallons per Watt Hour Used	7.3 G /Whr		7.0 G /Whr	
Speed	3450 RPM		3450 RPM	
Line Cord - Type	18-3 SJTW		18-3 SJTW	
Line Cord - Length	10 ft. (3.0M)		10 ft. (3.0M)	
Motor Cooling	Water-cooled		Water-cooled	
Overheating Protection	Thermal Fused		Thermal Fused	
Operation	Automatic		Automatic	
Duty	Continuous		Continuous	
Max. Water Temp.	104° F / 40° C		104° F / 40° C	
Approvals	CSA (Main Pump, Backup Charger available) cUL (Primary Float Switch and Controller)		CSA (Main Pump) cUL (Primary Float Switch and Controller, Backup Charger)	
Warranty	2-Year Limited		2-Year Limited	

### PUMP CONSTRUCTION ( AC )

Pump Housing	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Impeller	Engineered Polymer	Engineered Polymer	Engineered Polymer	Engineered Polymer
Fasteners	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Strainer	Removable Plastic	Removable Plastic	Removable Plastic	Removable Plastic
Pump Seals:	(2) - Carbon/Ceramic (1) - Buna N Exclusion Seal	(2) - Carbon/Ceramic (1) - Buna N Exclusion Seal	(2) - Carbon/Ceramic (1) - Buna N Exclusion Seal	(2) - Carbon/Ceramic (1) - Buna N Exclusion Seal
Motor Shaft	Electroplated Steel	Electroplated Steel	Electroplated Steel	Electroplated Steel
Bearings	(2) Sealed Perm.-Lubricated Ball Bearings	(2) Sealed Perm.-Lubricated Ball Bearings	(2) Sealed Perm.-Lubricated Ball Bearings	(2) Sealed Perm.-Lubricated Ball Bearings
Painting Method				

### PUMP (DC - BACKUP)

Flow @ 0 ft. GPH (0 M.)	2,000 GPH	7,571 LPH	2,600 GPH	9,842 LPH
Flow @ 0 ft. GPM (0 M.)	33.3 GPM	126 LPM	43.3 GPM	164.0 LPM
Flow @ 10 ft. GPH (3 M.)	1,000 GPH	3,785 LPH	1,850 GPH	7,003 LPH
Flow @ 10 ft. GPM (3 M.)	16.7 GPM	63 LPM	30.8 GPM	116.7 LPM
Max. Head	15 ft.	4.6 M	16 ft.	4.9 M
Pump Discharge	1-1/4" FNPT w/ 1-1/4x1-1/2" Adaptor		1-1/4" FNPT w/ 1-1/2x1-1/2" Adaptor	
Strainer	Snap-on Non-corrosive ABS Screen		Snap-on Non-corrosive ABS Screen	
Pump Housing	Non-corrosive ABS		Non-corrosive ABS	
Impeller	Non-corrosive ABS		Non-corrosive ABS	
Motor Type	Brush-type DC		Brush-type DC	
Voltage	12 VDC		12 VDC	
Amps. @ 10 Ft. Total Head	6.5 Amps.		10 - 12 Amps.	

### CHARGER / MONITOR

Power Input	115 VAC, 60 Hz	115 VAC, 60 Hz	115 VAC, 60 Hz	115 VAC, 60 Hz
Charger Output	12 VDC / .4 Amp	12 VDC / .4 Amp	12 VDC / 1.6 Amp	12 VDC / 1.6 Amp
Pumping Time w/ 24EP6	50 Hours based on 10% duty cycle. Run times may vary based on water flow	50 Hours based on 10% duty cycle. Run times may vary based on water flow	Not Recommended	Not Recommended
Pumping Time w/ 30HDC140S	100 Hours based on 10% duty cycle. Run times may vary based on water flow	100 Hours based on 10% duty cycle. Run times may vary based on water flow	60 Hours based on 10% duty cycle. Run times may vary based on water flow	60 Hours based on 10% duty cycle. Run times may vary based on water flow
Pumping Time w/ (2) 30HDC140S	Not Recommended	Not Recommended	120 Hours based on 10% duty cycle. Run times may vary based on water flow	120 Hours based on 10% duty cycle. Run times may vary based on water flow
Pumping Time w/ BW-27AGM	80 Hours based on 10% duty cycle. Run times may vary based on water flow	80 Hours based on 10% duty cycle. Run times may vary based on water flow	48 Hours based on 10% duty cycle. Run times may vary based on water flow	48 Hours based on 10% duty cycle. Run times may vary based on water flow
Pumping Time w/ (2) BW-27AGM	Not Recommended	Not Recommended	96 Hours based on 10% duty cycle. Run times may vary based on water flow	96 Hours based on 10% duty cycle. Run times may vary based on water flow
Pumping Time - Intermittent Duty	Days	Days	Days	Days
Float Switch	Dual, Micro-Reed Switches	Dual, Micro-Reed Switches	Dual, Micro-Reed Switches	Dual, Micro-Reed Switches

### MONITORING FEATURES

Switches Automatically to Battery	Yes	Yes	Yes	Yes
Pumps directly of AC Power	No	No	No	No
Automatically Tests the Pump	No	No	No	No
Alarm Can Be Silenced	Yes (Switch)	Yes (Switch)	Yes (24 Hours)	Yes (24 Hours)
Displays Percent of Charge	No	No	No	No
Remote Terminal (for connection to security system or auto dialer)	No	No	Yes	Yes
Alarms When:	-	-	-	-
Pump has Been Activated	Yes	Yes	Yes	Yes
Battery Needs Water	Yes	Yes	Yes	Yes
Battery Needs Replacing	Yes	Yes	Yes	Yes
Battery is Discharged	Yes	Yes	Yes	Yes
Battery Cable is Loose	Yes	Yes	Yes	Yes
Power, fuse or circuit breaker	Yes	Yes	Yes	Yes

### DIMENSIONS

	English	Metric	English	Metric
Overall Dimensions (LxWxH)	8-3/4" x 10 3/4" x 17-3/4"	22.2 x 27.3 x 45.08 cm	8 3/4" x 11 3/4" x 18"	22.2 x 29.8 x 45.7 cm
Item Wt. (pumps only - PVC Assembly)	25.5 lbs	Kg	27 lbs	Kg
Carton Dimensions (LxWxH)	11" x 13 3/8" x 20"	27.9 x 33.97 x 50.8	10 3/4 x 17 3/8 x 21 1/4	27.3 x 44.1 x 53.97 cm
Shipping Wt.	30.5 lbs	Kg	37.0 lbs.	Kg

### FLOAT SWITCH AND CONTROLLER (AC PUMP)

Float Type	Dual, Micro-Reed Switches w/ Cage	Dual, Micro-Reed Switches w/ Cage	Dual, Micro-Reed Switches w/ Cage	Dual, Micro-Reed Switches w/ Cage
Controller Functions:	Start/Stop Pump w/ 10 sec. run before stopping	Start/Stop Pump w/ 10 sec. run before stopping	Start/Stop Pump w/ 10 sec. run before stopping	Start/Stop Pump w/ 10 sec. run before stopping
Control Voltage/Current	115 VAC / 12 Amps. max	115 VAC / 12 Amps. max	115 VAC / 12 Amps. max	115 VAC / 12 Amps. max
Max. Inrush Current	30 Amps.	30 Amps.	30 Amps.	30 Amps.
Switch Cord - Type, Length*	18-2 SJT x 10ft. (3.0M)	18-2 SJT x 10ft. (3.0M)	18-2 SJT x 10ft. (3.0M)	18-2 SJT x 10ft. (3.0M)

### INCLUDED

Included with System	AC Pump, Caged-Dual Float and Controller (AC Pump), Backup Pump, Dual Float (Backup), Controller (Backup), Charger (Backup), (2) Check Valves, Y Adaptor, Pipe, Battery Cap w/hole, Hose Clamp, (2) Wire Ties, Instruction Manual	AC Pump, Caged-Dual Float and Controller (AC Pump), Backup Pump, Dual Float (Backup), Controller (Backup), Charger (Backup), (2) Check Valves, Y Adaptor, Pipe, Battery Cap w/hole, Hose Clamp, Wire Tie Instruction Manual	AC Pump, Caged-Dual Float and Controller (AC Pump), Backup Pump, Dual Float (Backup), Controller (Backup), Charger (Backup), (2) Check Valves, Y Adaptor, Pipe, Battery Cap w/hole, Hose Clamp, Wire Tie Instruction Manual	AC Pump, Caged-Dual Float and Controller (AC Pump), Backup Pump, Dual Float (Backup), Controller (Backup), Charger (Backup), (2) Check Valves, Y Adaptor, Pipe, Battery Cap w/hole, Hose Clamp, Wire Tie Instruction Manual
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