

PHCC Pro Series - S3 Series Pump Specifications

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| S3033 1/3 HP Sump Pump PHCC Pro Series | S3050 1/2 HP Sump Pump PHCC Pro Series | S3100 1 HP Sump Pump PHCC Pro Series |
|---|---|---|

PUMP

| | | | | | | |
|---------------------------------|--|------------|--|------------|--|------------|
| Flow @ 0 ft. GPH (0 M.) | 3,900 GPH | 14,763 LPH | 4,380 GPH | 16,580 LPH | 5,940 GPH | 22,485 LPH |
| Flow @ 0 ft. GPM (0 M.) | 65 GPM | 246 LPM | 73 GPM | 276 LPM | 99 GPM | 374 LPM |
| Flow @ 10 ft. GPH (3 M.) | 3,000 GPH | 11,356 LPH | 3,900 GPH | 14,763 LPH | 5,520 GPH | 20,895 LPH |
| Flow @ 10 ft. GPM (3 M.) | 50 GPM | 189 LPM | 65 GPM | 246 LPM | 92 GPM | 348 LPM |
| Flow @ 20 ft. GPH (6.1 M.) | 1,740 GPH | 6586 LPH | 2,700 GPH | 10,220 LPH | 4,620 GPH | 17,488 LPH |
| Flow @ 20 ft. GPM (6.1 M.) | 29 GPM | 110 LPM | 45 GPM | 170 LPM | 77 GPM | 291 LPM |
| Max. Head | 30 ft. | 9.1M | 33 ft. | 10.0 M | 52 ft. | 15.9 M |
| Max. Diam. Solids (w/ Strainer) | 7/8" (3/16") | 22 (5) mm | 7/8" (3/16") | 22 (5) mm | 1-3/4" (1/4") | 45 (6) mm |
| Pump Discharge | 1-1/2" NPT | 38 mm | 2" NPT | 51 mm | 2" NPT | 51 mm |
| Motor - HP | 1/3 HP | | 1/2 HP | | 1 HP | |
| Motor Type | PSC | | PSC | | PSC | |
| Voltage | 115 VAC, 60 Hz | | 115 VAC, 60 Hz | | 115 VAC, 60 Hz | |
| Amps. @ 10 Ft. Total Head | 4.0 A | | 4.3 A | | 11.5 A | |
| Gallons per Watt Hour Used | 6.3 G /Whr | | 7.6 G /Whr | | 4.0 G /Whr | |
| Speed | 3450 RPM | | 3450 RPM | | 3450 RPM | |
| Line Cord - Type | 16-3 SJTW | | 16-3 SJTW | | 14-3 SJTW | |
| Line Cord - Length | 10 ft. (3.0M) | | 20 ft. (6.1 M) | | 20 ft. (6.1 M) | |
| Motor Cooling | Water-cooled | | Water-cooled | | Water-cooled | |
| Overheating Protection | Thermal Fused | | Thermal Fused | | Thermal Fused | |
| Operation | Automatic | | Automatic | | Automatic | |
| Duty | Continuous | | Continuous | | Continuous | |
| Max. Water Temp. | 104° F / 40° C | | 104° F / 40° C | | 104° F / 40° C | |
| Approvals | CSA | | CSA | | CSA | |
| Warranty | Purchased from and Installed by a Contractor 5 Year, Otherwise 3-Year, (1-Year for Continuous Use) | | Purchased from and Installed by a Contractor 5 Year, Otherwise 3-Year, (1-Year for Continuous Use) | | Purchased from and Installed by a Contractor 5 Year, Otherwise 3-Year, (1-Year for Continuous Use) | |

PUMP CONSTRUCTION

| | | | |
|-----------------|---|---|---|
| Pump Housing | Cast Iron / Stainless Steel | Cast Iron / Stainless Steel | Cast Iron / Stainless Steel |
| Impeller | Polycarbonate | Polycarbonate | Dynamically-Balanced Cast Iron |
| Fasteners | Stainless Steel | Stainless Steel | Stainless Steel |
| Strainer | Durable Polypropylene Strainer | Durable Polypropylene Strainer | Chromed Steel Strainer |
| Pump Seals: | (2) - Carbon/Ceramic - Buna N Exclusion Seal (1) | (2) - Carbon/Ceramic Buna N Exclusion Seal (1) - | (2) - Carbon/Ceramic - Buna N Exclusion Seal (1) |
| Motor Shaft | 304 SS | | |
| Bearings | (2) Sealed Perm.-Lubricated Ball Bearings | | |
| Pain Color | Blue | | |
| Painting Method | Primed / Double Paint | | |

DIMENSIONS

| | English | Metric | English | Metric | English | Metric |
|----------------------------|-----------------------|-----------------------|---------------------------|-----------------------|----------------------|-----------------------|
| Overall Dimensions (WxDxH) | 7 7/8" x 5 1/4" x 13" | 20.0 x 13.3 x 33.0 cm | 8 1/2" x 6 1/4" x 13 3/8" | 21.6 x 15.9 x 34.0 cm | 11" x 7 5/8" x 18" | 27.9 x 19.4 x 45.7 cm |
| Item Wt. | 20 lb | 9.1 Kg | 24 lb | 10.9 Kg | 46 lb | 20.9 Kg |
| Carton Dimensions (WxDxH) | 12.5" x 7.0" x 14.3" | 31.7 x 17.8 x 36.3 cm | 12.5" x 7.0" x 14.3" | 31.7 x 17.8 x 36.3 cm | 9.7" x 12.4" x 18.5" | 24.6 x 31.5 x 47.0 cm |
| Shipping Wt. | 22 lb | 10.4 Kg | 26 lb | 12.2 Kg | 48 lb | 22.2 Kg |

FLOAT SWITCH AND CONTROLLER

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|--------------------------------|---|---|---|
| Float Type | Dual, Micro-Reed Switches w/ Cage | Dual, Micro-Reed Switches w/ Cage | Dual, Micro-Reed Switches w/ Cage |
| Controller (DFC2) Functions: | Start/Stop Pump w/ 10 sec. run before stopping, System Operating, AC Power Off Warning, 9-volt battery low, Pump or Float problem, Sounds alarm if, pump "On" more than 10 mins. Terminals for remote connection to auto-dialer or security system. | Start/Stop Pump w/ 10 sec. run before stopping, System Operating, AC Power Off Warning, 9-volt battery low, Pump or Float problem, Sounds alarm if, pump "On" more than 10 mins. Terminals for remote connection to auto-dialer or security system. | Start/Stop Pump w/ 10 sec. run before stopping, System Operating, AC Power Off Warning, 9-volt battery low, Pump or Float problem, Sounds alarm if, pump "On" more than 10 mins. Terminals for remote connection to auto-dialer or security system. |
| Control Voltage/Current | 115 VAC / 12 Amps. max | | |
| Max. Inrush Current | 30 Amps. | | |
| Switch Cord - Type, Length* | 18-2 SJTW x 10 ft. (3.0 M) | | |
| Controller Cord - Type, Length | 16-3 SJT x 4 ft. (1.2 M) | | |

INCLUDED

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|----------------------|---|---|---|
| Included with System | Pump, DFC2 Deluxe Controller w/ Dual Float Switch, Manual | Pump, DFC2 Deluxe Controller w/ Dual Float Switch, 2" to 1-1/2" Reducer, Manual | Pump, DFC2 Deluxe Controller w/ Dual Float Switch, 2" to 1-1/2" Reducer, Manual |
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