PHCC Pro Series ST - Series Specifications

PUMP Pro Series Pro Series Pro Series Pro Series	Pro Series Pro Series Pro Series	GPM (0 M.) . GPH (3 M.) . GPM (3 M.) . GPM (6.1 M.)
PUMP Plow & 0 ft. GPH (0 M.)	Plump Flow @ 0 ft. GPH (0 M.) 3,840 GPH 14,536 LPH 5,300 GPH 20,063 Flow @ 0 ft. GPM (0 M.) 64 GPM 242 LPM 88.3 GPM 334 L Flow @ 10 ft. GPM (3 M.) 2,770 GPH 10,486 LPH 4,320 GPH 16,353 L Flow @ 10 ft. GPM (3 M.) 46.1 GPM 174 LPM 72 GPM 2772 L Flow @ 20 ft. GPH (6.1 M.) 1,150 GPH 4,353 LPH 1,800 GPH 6,814 L Flow @ 20 ft. GPM (6.1 M.) 19 GPM 72 LPM 30 GPM 114 L Max. Head 29 ft. 8.8 M 32 ft. 9. Max. Diam. Solids (w/ Strainer) 1/4* 6.4 mm 1/4* 1/4* 1/4* 1/4* 1/4* 1/4* 1/4* 1/4* 1	GPM (0 M.) . GPH (3 M.) . GPM (3 M.) . GPM (6.1 M.)
Flow @ 0 ft. GPH (0 M.)	Flow @ 0 ft. GPH (0 M.) 3,840 GPH	GPM (0 M.) . GPH (3 M.) . GPM (3 M.) . GPM (6.1 M.)
Flow @ 10 ft. GPM (0 M.)	Flow @ 0 ft. GPM (0 M.)	GPM (0 M.) . GPH (3 M.) . GPM (3 M.) . GPH (6.1 M.)
Flow @ 10 ft. GPH (3 M.)	Flow @ 10 ft. GPH (3 M.)	GPH (3 M.) GPM (3 M.) GPH (6.1 M.)
Flow @ 20 ft. GPM (3 ML)	Flow @ 10 ft. GPM (3 M.)	GPM (3 M.) GPH (6.1 M.)
Flow @ 20 ft. GPH (6.1 ML)	Flow @ 20 ft. GPH (6.1 M.)	GPH (6.1 M.)
Flow & 20 ft. GPM (6.1 M.) 13 GPM 72 LPM 30 GPM 114 LPM 38.8 M 32 ft. 38.8 M 38.8 M	Flow @ 20 ft. GPM (6.1 M.) 19 GPM 72 LPM 30 GPM 114 L	
Max. Head 29 ft 8.8 M 32 ft 9.8 M Max. Diams. Solids (w/ Strainer) 1/4" 6.4 mm 1/2" 1/2" 5.1 cm 1/2"	Max. Head 29 ft. 8.8 M 32 ft. 9. Max. Diam. Solids (w/ Strainer) 1/4" 6.4 mm 1/4" 6.4 mm Pump Discharge 1-1/2" NPT 3.8 cm 2" NPT 5.1 Motor - HP 1/3 HP 1/2 HP 1/2 HP Motor Type PSC PSC PSC Voltage 115 VAC, 60 Hz 115 VAC, 60 Hz 115 VAC, 60 Hz Amps. ® 10 Ft. Total Head 6.1 G // Whr 7.5 G // Whr 3450 RPM Speed 3450 RPM 3450 RPM 3450 RPM Line Cord - Type 18-3 SJTW 18-3 SJTW 18-3 SJTW Line Cord - Length 10 ft. (3.0M) 10 ft. (3.0M) 10 ft. (3.0M) Motor Cooling Water-cooled Water-cooled 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 Purchased from and Installed by Contractor - 3 Y	OT W (0.1 W.)
Max. Diam. Solids (w/ Strainer)	Max. Diam. Solids (w/ Strainer) 1/4" 6.4 mm 1/4" 6.4 mm Pump Discharge 1-1/2" NPT 3.8 cm 2" NPT 5.1 Motor - HP 1/3 HP 1/2 HP 1/2 HP Motor Type PSC PSC PSC Voltage 115 VAC, 60 Hz 115 VAC, 60 Hz 115 VAC, 60 Hz Amps. © 10 Ft. Total Head 3.8 Amps 4.8 Amps Gallons per Watt Hour Used 6.1 G /Whr 7.5 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 CSA Warranty Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months Otherwise 18 Months	11
Pump Discharge	Description Discharge Text Te	Solids (w/ Strainer)
Motor - HP	Motor - HP Motor Type PSC Voltage 115 VAC, 60 Hz Amps. ® 10 Ft. Total Head Gallons per Watt Hour Used Speed Line Cord - Type Line Cord - Length Motor Cooling Overheating Protection Operation Duty Max. Water Temp. Approvals Warranty PUMP CONSTRUCTION Pump Housing Installed py Contractor - 3 Years, Otherwise 18 Months 113 HP 12 HP 15 VAC, 60 Hz 115 VAC, 60 Hz 15 VAC, 60 Hz 115	
Motor Type	Motor Type PSC	n ge
Voltage	Voltage Amps. ® 10 Ft. Total Head Gallons per Watt Hour Used Speed Line Cord - Type Line Cord - Length Motor Cooling Overheating Protection Operation Duty Max. Water Temp. Approvals Warranty Time Cond - Speed 115 VAC, 60 Hz 14.8 Amps 16.1 G. Implication 15 Automatic 16 Automatic 1	
Amps. 6 10 Ft. Total Head 3.8 Amps	Amps. ® 10 Ft. Total Head Gallons per Watt Hour Used Speed Line Cord - Type Line Cord - Length Motor Cooling Overheating Protection Operation Duty Max. Water Temp. Approvals Warranty PUMP CONSTRUCTION Pump Housing Gallons per Watt Hour Used 3.8 Amps 4.8 Amps 7.5 G /Whr 3450 RPM 18-3 SJTW 18-3 SJTW 18-3 SJTW 118-3 SJTW 118-3 SJTW 119-1 (3.0M) 10 ft.	
Salions per Watt Hour Used Speed	Gallons per Watt Hour Used6.1 G /Whr7.5 G /WhrSpeed3450 RPM3450 RPMLine Cord - Type18-3 SJTW18-3 SJTWLine Cord - Length10 ft. (3.0M)10 ft. (3.0M)Motor CoolingWater-cooledWater-cooledOverheating ProtectionThermal FusedThermal FusedOperationAutomaticAutomaticDutyContinuousContinuousMax. Water Temp.104° F / 40° C104° F / 40° CApprovalsCSACSAWarrantyPurchased from and Installed by Contractor - 3 Years, Otherwise 18 MonthsPurchased from and Installed by Contractor - 3 Years Otherwise 18 MonthsPUMP CONSTRUCTIONCast Iron / Cast AluminumCast Iron / Cast AluminumImpellerEngineered PolymerEngineered Polymer	- Total Hood
Speed	Speed 3450 RPM 3450 RPM 18-3 SJTW 18-3 SJTW 10 ft. (3.0M) 10 ft.	
Line Cord - Length	Line Cord - Type Line Cord - Length Line Cord - Length Motor Cooling Overheating Protection Operation Duty Max. Water Temp. Approvals Warranty Pump Construction Pump Housing Inpeller 18-3 SJTW 10-18-3 SJTW 10-18-18-3 SJTW 10-18-18-18-18-18-18 10-18-3 SJTW 10-18-18-18-18 10-18-3 SJTW 10-18-18-18 10-18-18-18 10-18-18-18 10-18-18-18 10-18-18-18 10-18-18-18 10-18-18-18 10-18-18-18 10-18-18-18 10-18-1	Watt Hour Oseu
Line Cord - Length	Line Cord - Length Motor Cooling Overheating Protection Operation Duty Max. Water Temp. Approvals Warranty Pump Construction Cast Iron / Cast Aluminum Impeller In ft. (3.0M) Mater-cooled Water-cooled Thermal Fused Automatic Automatic Continuous Continuous Continuous Continuous Automatic Automatic Continuous Continuous Continuous Continuous Continuous Continuous Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months Cast Iron / Cast Aluminum Engineered Polymer Engineered Polymer	ivno
Water-cooled Water-cooled Thermal Fused Thermal Fused Thermal Fused Thermal Fused Automatic Automatic Continuous Co	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 CSA Warranty Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months PUMP CONSTRUCTION Pump Housing Cast Iron / Cast Aluminum Cast Iron / Cast Aluminum Impeller Engineered Polymer Engineered Polymer	
Thermal Fused	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 CSA Warranty Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months PUMP CONSTRUCTION Pump Housing Cast Iron / Cast Aluminum Cast Iron / Cast Aluminum Impeller Engineered Polymer Engineered Polymer	
Automatic Automatic Continuous	Automatic Continuous Continuous Continuous	•
Duty Continuous Continuou	Duty Continuous Max. Water Temp. Approvals Varranty Continuous Continuous 104° F / 40° C CSA Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months PUMP CONSTRUCTION Pump Housing Continuous Continuous 104° F / 40° C CSA Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months Pump Housing Cast Iron / Cast Aluminum Engineered Polymer Engineered Polymer	Protection
Max. Water Temp. 104° F / 40° C CSA	Max. Water Temp. Approvals CSA Warranty Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months PUMP CONSTRUCTION Pump Housing Impeller Cast Iron / Cast Aluminum Engineered Polymer Inda F / 40° C CSA Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months Cast Iron / Cast Aluminum Engineered Polymer Engineered Polymer	<u> </u>
CSA	Approvals Warranty CSA Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months PUMP CONSTRUCTION Pump Housing Impeller CSA Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months Pump Housing Cast Iron / Cast Aluminum Engineered Polymer CSA Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months Cast Iron / Cast Aluminum Engineered Polymer	
Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months PUMP CONSTRUCTION Pump Housing Impeller Engineered Polymer Easteners Stainless Steel Strainer Removable Electroplated Steel (2) - Carbon/Ceramic (1) - Buna N Exclusion Seal Electroplated Steel Electroplated Steel Electroplated Steel (2) Sealed PermLubricated Ball Bearings Color Blue Painting Method Powder Coated Powder Coated DIMENSIONS English Metric Painting Method DIMENSIONS English Metric Coverall Dimensions (DxWxH) 17 lb 7.71 kg Carton Dimensions (DxWxH) 10.38" x 6.0" x 15.0" 26.35 x 15.24 x 38.1 cm Shipping Wt. 20 Loat Start/Stop Pump w 10 sec. run time Control Voltage/Current Max. Inrush Current Strious PEC 1 Dual Float Switch, Hose ST1035 Pump, DFC1 Dual Float Switch, Hose ST1050 Pump, DFC1 Dual Float Switch, Hose	Warranty Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months Purchased from and Installed by Contractor - 3 Years, Otherwise 18 Months PUMP CONSTRUCTION Pump Housing Cast Iron / Cast Aluminum Cast Iron / Cast Aluminum Impeller Engineered Polymer Engineered Polymer	emp.
PUMP CONSTRUCTION	PUMP CONSTRUCTION Pump Housing Impeller Otherwise 18 Months	<u> </u>
Cast Iron / Cast Aluminum	Pump Housing Cast Iron / Cast Aluminum Cast Iron / Cast Aluminum Impeller Engineered Polymer Engineered Polymer	
Engineered Polymer	Impeller Engineered Polymer Engineered Polymer	TRUCTION
Stainless Steel Stainless Steel Removable Electroplated Steel (2) - Carbon/Ceramic (1) - Buna N Exclusion Seal Electroplated Steel Electroplated Steel Electroplated Steel Electroplated Steel (2) Sealed PermLubricated Ball Bearings Electroplated Steel Electroplated Steel Electroplated Steel (2) Sealed PermLubricated Ball Bearings Blue Powder Coated Powder Coate		ng
Removable Electroplated Steel Removable Electroplated Steel	Fasteners Stainless Steel Stainless Steel	
Company Comp	·	
Color Blue	Strainer Removable Electroplated Steel Removable Electroplated Steel	
Dimensions (DxWxH) Electroplated Steel Electroplated Steel (2) Sealed PermLubricated Ball Bearings (2) Sealed PermLubricated Ball Bearings (2) Sealed PermLubricated Ball Bearings Blue Blue Powder Coated Powder Co	IPumn Spale:	
Color	The state of the s	
Blue		
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17 lb 7.71 kg 28 lb 12.75 kg 10.38" x 6.0" x 15.0" 26.35 x 15.24 x 38.1 cm 21 lb 9.53 kg 31 lb 14.06 kg		
Carton Dimensions (DxWxH) Shipping Wt. 10.38" x 6.0" x 15.0" 26.35 x 15.24 x 38.1 cm 21 lb 9.53 kg 31 lb 11.25" x 7.5" x 17.38" 28.58 x 19.05 x 44.15 cm 31 lb 14.06 kg FLOAT SWITCH AND CONTROLLER Float Type Controller Functions: Control Voltage/Current Max. Inrush Current Switch Cord - Type, Length ST1033 Pump, DFC1 Dual Float Switch, Hose ST1050 Pump, DFC1 Dual Float Switch, Hose Clamp,		nsions (DXWXH)
Shipping Wt. 21 lb 9.53 kg 31 lb 14.06 kg FLOAT SWITCH AND CONTROLLER Float Type Controller Functions: Controller Functions: Control Voltage/Current Max. Inrush Current Switch Cord - Type, Length Dual, Micro-Reed Switches w/Protective Cage Start/Stop Pump w/ 10 sec. run time Start/Stop Pump w/ 10 sec. run time Start/Stop Pump w/ 10 sec. run time 115 VAC / 12 Amps max 30 A 30 A 30 A 30 A 18-2 SJT x 10ft. (3.0 M) INCLUDED Included with System ST1033 Pump, DFC1 Dual Float Switch, Hose ST1050 Pump, DFC1 Dual Float Switch, Hose Clamp,		
FLOAT SWITCH AND CONTROLLER Float Type Controller Functions: Control Voltage/Current Max. Inrush Current Switch Cord - Type, Length Dual, Micro-Reed Switches w/Protective Cage Start/Stop Pump w/ 10 sec. run time Start/Stop Pump w/ 10 sec. run time Start/Stop Pump w/ 10 sec. run time 115 VAC / 12 Amps max 30 A 30 A 30 A 30 A 18-2 SJT x 10ft. (3.0 M) INCLUDED Included with System ST1033 Pump, DFC1 Dual Float Switch, Hose ST1050 Pump, DFC1 Dual Float Switch, Hose Clamp,		nsions (DXWXH)
Dual, Micro-Reed Switches w/Protective Cage		
Controller Functions: Start/Stop Pump w/ 10 sec. run time Start/Stop Pump w/ 10 sec. run time Start/Stop Pump w/ 10 sec. run time 115 VAC / 12 Amps max 115 VAC / 12 Amps max 30 A 30 A Switch Cord - Type, Length INCLUDED ST1033 Pump, DFC1 Dual Float Switch, Hose Start/Stop Pump w/ 10 sec. run time Start/Stop Pump w/ 10 sec. run time Start/Stop Pump w/ 10 sec. run time 115 VAC / 12 Amps max 30 A 18-2 SJT x 10ft. (3.0 M) ST1050 Pump, DFC1 Dual Float Switch, Hose Clamp,		
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INCLUDED Included with System ST1033 Pump, DFC1 Dual Float Switch, Hose ST1050 Pump, DFC1 Dual Float Switch, Hose Clamp,		CH AND CONTROLLER unctions:
Included with System ST1033 Pump, DFC1 Dual Float Switch, Hose ST1050 Pump, DFC1 Dual Float Switch, Hose Clamp,	SWITCH Cord - Type, Length 18-2 SJT X 10π. (3.0 M) 18-2 SJT X 10π. (3.0 M)	unctions: age/Current Current
		unctions: age/Current Current
Clamp, Instruction Manual Instruction Manual	I ST1033 Pump, DFC1 Dual Float Switch, Hose I ST1050 Pump. DFC1 Dual Float Switch. Hose Clare	CH AND CONTROLLER unctions: age/Current Current - Type, Length