

PHCC Pro Series ST - Series Specifications

	ST1033 1/3 HP Pro Series	ST1050 1/2 HP Pro Series
PUMP		
Flow @ 0 ft. GPH (0 M.)	3,840 GPH	14,536 LPH
Flow @ 0 ft. GPM (0 M.)	64 GPM	242 LPM
Flow @ 10 ft. GPH (3 M.)	2,770 GPH	10,486 LPH
Flow @ 10 ft. GPM (3 M.)	46.1 GPM	174 LPM
Flow @ 20 ft. GPH (6.1 M.)	1,150 GPH	4,353 LPH
Flow @ 20 ft. GPM (6.1 M.)	19 GPM	72 LPM
Max. Head	29 ft.	8.8 M
Max. Diam. Solids (w/ Strainer)	1/4"	6.4 mm
Pump Discharge	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	3.8 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	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
Fasteners	Stainless Steel	Stainless Steel
Strainer	Removable Electroplated Steel	Removable Electroplated Steel
Pump Seals:	(2) - Carbon/Ceramic (1) - Buna N Exclusion Seal	(2) - Carbon/Ceramic (1) - Buna N Exclusion Seal
Motor Shaft	Electroplated Steel	Electroplated Steel
Bearings	(2) Sealed Perm.-Lubricated Ball Bearings	(2) Sealed Perm.-Lubricated Ball Bearings
Color	Blue	Blue
Painting Method	Powder Coated	Powder Coated

DIMENSIONS

	English	Metric	English	Metric
Overall Dimensions (DxWxH)	5" x 7 1/2" x 13 3/4"	12.7 x 19.05 x 34.93 cm	6 1/2" x 10" x 16 1/4"	16.51 x 25.4 x 41.28 cm
Item Wt.	17 lb	7.71 kg	28 lb.	12.75 kg
Carton Dimensions (DxWxH)	10.38" x 6.0" x 15.0"	26.35 x 15.24 x 38.1 cm	11.25" x 7.5" x 17.38"	28.58 x 19.05 x 44.15 cm
Shipping Wt.	21 lb	9.53 kg	31 lb	14.06 kg

FLOAT SWITCH AND CONTROLLER

Float Type	Dual, Micro-Reed Switches w/Protective Cage	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
Control Voltage/Current	115 VAC / 12 Amps max	115 VAC / 12 Amps max
Max. Inrush Current	30 A	30 A
Switch Cord - Type, Length	18-2 SJT x 10ft. (3.0 M)	18-2 SJT x 10ft. (3.0 M)

INCLUDED

Included with System	ST1033 Pump, DFC1 Dual Float Switch, Hose Clamp, Instruction Manual	ST1050 Pump, DFC1 Dual Float Switch, Hose Clamp, Instruction Manual
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