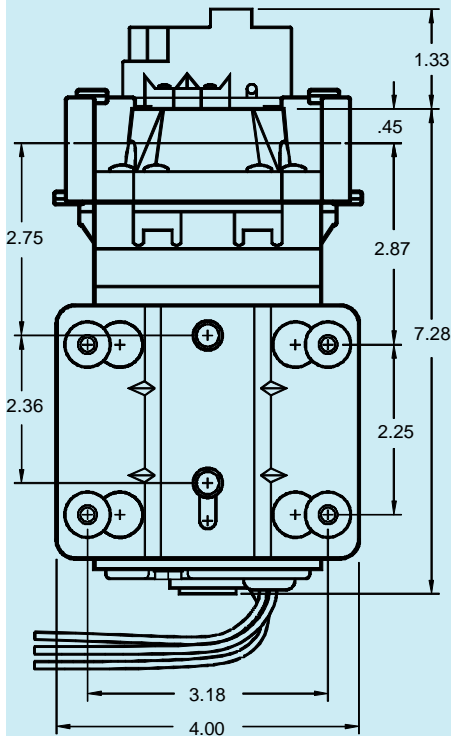
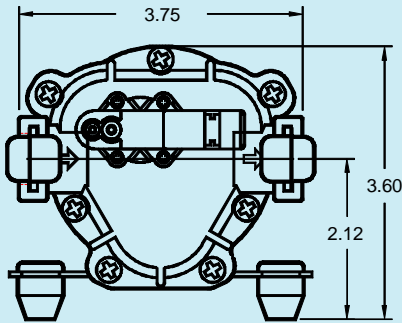


# Series 7800 Pump

Model: 786X-7X01-B594

Flow Range: Open Flow = .50-.95 GPM

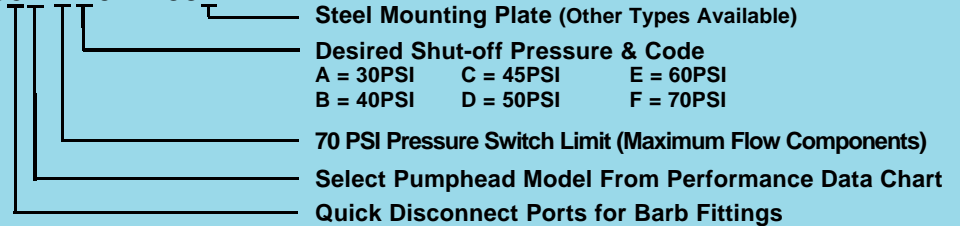
At 70 PSI = .27-.64 GPM



WEIGHT: 6 lbs.

## COMPLETING THE PART NUMBER:

786X-7X01-B594



Steel Mounting Plate (Other Types Available)

Desired Shut-off Pressure & Code

A = 30PSI    C = 45PSI    E = 60PSI

B = 40PSI    D = 50PSI    F = 70PSI

70 PSI Pressure Switch Limit (Maximum Flow Components)

Select Pumphead Model From Performance Data Chart

Quick Disconnect Ports for Barb Fittings

## SPECIFICATIONS:

### ■ MOTOR:

TYPE:

24 VDC, 60 HZ, Permanent Magnet,  
Totally Enclosed, Non-Ventilated

LEADS:

14 AWG, 12" LONG

TEMP. LIMITS:

For User Safety, Optimal Performance, and  
Maximum Motor Life, This Motor is Equipped  
with a Thermal Protector that Limits the Motor  
Shell Temperature to 145°F (63°C), as Shown on  
the Heat Rise Graph.

DUTY CYCLE:

See Heat Rise Graph

### ■ PUMP DESIGN:

3 Chamber Diaphragm Pump, Self Priming,  
Capable of Being Run Dry

### ■ TYPICAL APPLICATION:

Industrial Grade Water Transfer

### ■ MATERIALS:

HOUSINGS:

Nylon

VALVES:

EPDM

DIAPHRAGM:

Santoprene

FASTENERS:

Stainless Steel

### ■ LIQUID TEMPERATURE:

170°F (77°C) Max.

### ■ PUMP CERTIFICATIONS:

NSF Standard 58

### ■ PRIMING CAPABILITIES:

	7860	7861	7862	7863	7864
PRIME (FEET)	5	6	7	9	10

### ■ FITTINGS:

TYPE	SHAPE	HOSE BARB SIZE	
		3/8"	1/2"
QUICK DISCONNECT	STRAIGHT	QBS-783	QBS-784
QUICK DISCONNECT	ELBOW	QBE-783	QBE-784



Aquatec International, Inc.  
17422 Pullman Street, Irvine, CA 92614  
Sales: 949-225-2200 Fax: 949-225-2222  
www.aquatec.com

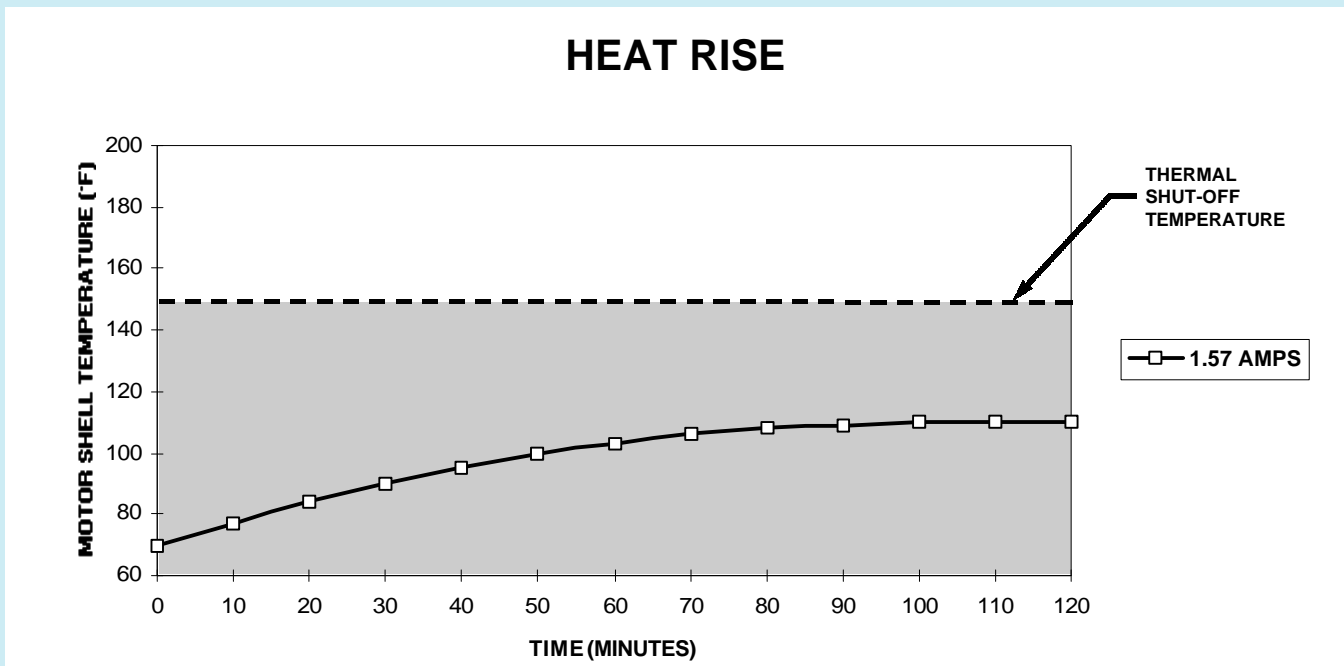
# Series 7800 Pump

Model: 786X-7X01-B594

PERFORMANCE DATA										
DISCHARGE	PUMPHEAD MODEL									
PRESSURE	7860		7861		7862		7863		7864	
(PSI)	FLOW (GPM)	CURRENT (AMPS)	FLOW (GPM)	CURRENT (AMPS)	FLOW (GPM)	CURRENT (AMPS)	FLOW (GPM)	CURRENT (AMPS)	FLOW (GPM)	CURRENT (AMPS)
70	0.27	0.77	0.32	0.95	0.49	1.22	0.58	1.42	0.64	1.57
60	0.30	0.71	0.38	0.87	0.53	1.10	0.63	1.29	0.70	1.40
50	0.33	0.65	0.41	0.78	0.57	0.99	0.68	1.16	0.77	1.25
40	0.37	0.57	0.44	0.69	0.60	0.86	0.71	1.02	0.80	1.10
30	0.39	0.50	0.46	0.60	0.63	0.75	0.76	0.87	0.83	0.94
20	0.43	0.41	0.50	0.50	0.69	0.61	0.80	0.72	0.88	0.77
10	0.47	0.32	0.53	0.38	0.75	0.48	0.87	0.57	0.92	0.62
OPEN	0.50	0.29	0.55	0.35	0.78	0.45	0.90	0.55	0.95	0.60

PERFORMANCE MEASURED WITH FLOODED INLET (0 PSI), 70°F (21°C) AMBIENT AND WATER TEMPERATURE, AND VOLTAGE CONTROLLED AT 24 VDC. POSITIVE INLET PRESSURE WILL INCREASE THE DISCHARGE PRESSURE BY A SIMILAR AMOUNT, FOR A GIVEN FLOW. MAXIMUM INLET PRESSURE IS 60 PSI.

SHADED AREA DENOTES CONTINUOUS OPERATION CAPABILITY AT DESIGNATED PRESSURE AND CURRENT.



All of the pump models in the Performance Data and Heat Rise charts are in the shaded area, meaning they are capable of sustaining continual running, at any of the above listed pressures, without shutting down to allow the motor to cool. To conserve wearing parts, however, the pump should only operate as needed.

ALL PERFORMANCE AND HEAT RISE FIGURES ARE APPROXIMATE. ACTUAL VALUES WILL VARY WITH AMBIENT CONDITIONS.