



# MARCH PUMPS

1819 PICKWICK AVE., GLENVIEW, IL 60026-1306, U.S.A  
PHONE: (847) 729-5300 - FAX: (847) 729-7062  
WWW.MARCHPUMP.COM

## 893 BRUSHLESS

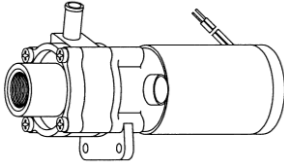
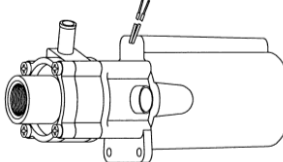
12 VDC Ametek Motor  
893-07 & 893-09

### DESCRIPTION:

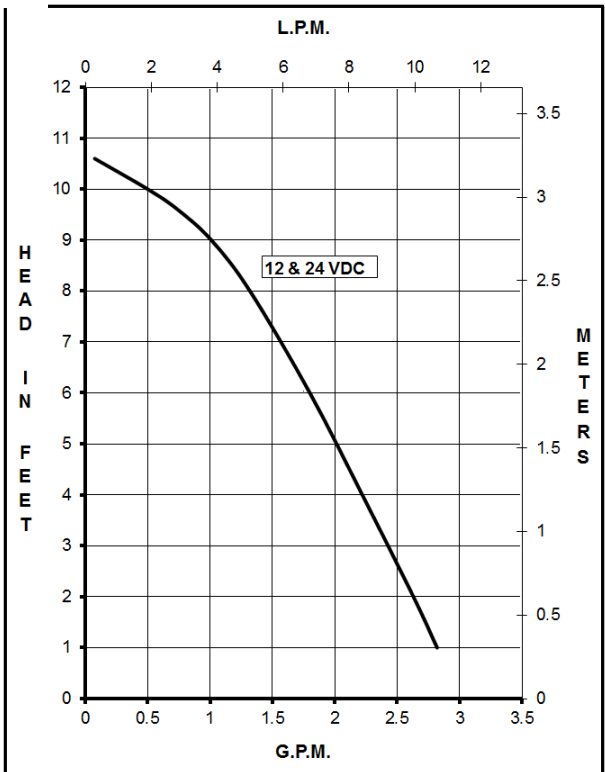
Series 893 are centrifugal magnetic drive pumps, eliminating the need for a shaft seal. Pumps can be serviced with a screwdriver. See the parts list for a breakdown of parts.

### OPERATION:

Pumps are not self-priming, lack a suction lift, and thus require a **flooded suction**. Pumps **cannot be run dry** because the impeller requires the liquid being pumped for lubrication. Brushless motors must be operated within a restricted voltage range due to the electronics in the motor. For application assistance, contact March Pump.

MODELS & SPECIFICATIONS	893-07						893-09					
												
	Open Air						Submersible					
Product #	0893-0061-0100						0893-0061-0200					
Max Flow	2.7 gpm - 11 lpm						2.7 gpm - 11 lpm					
Max Head	10.6 ft / 4.5 psi - 3.3 m						10.6 ft / 4.5 psi - 3.3 m					
Inlet	3/8" FPT						3/8" FPT					
Outlet	3/8" OD						3/8" OD					
Max Internal Pressure	50 psi - 344 kPa						50 psi - 344 kPa					
Max Liquid Temperature	190 °F open air 87 °C open air						120 °F sub 49 °C sub					
<b>ELECTRICAL</b>	<b>A</b>	<b>W</b>	<b>Hp</b>	<b>kW</b>	<b>Rpm</b>		<b>A</b>	<b>W</b>	<b>Hp</b>	<b>kW</b>	<b>Rpm</b>	
Restricted Range 12 V	1.5	12	1/150	0.004	4000		1.5	12	1/150	0.004	4000	
<b>Materials in Contact With Solution</b>	Noryl, Nylon, Carbon/Teflon, Buna N, 316 Stainless Steel, Ceramic Magnet.						When pump is submerged the following additional materials are in contact: Epoxy, Delrin, & Motor Leads					
All specifications & data are based on pumping water & are intended as a guideline only. Specifications may vary with different motors.												

**WARRANTY:** <https://www.marchpump.com/about/warranty/>



### ELECTRICAL:

Motors are Brushless DC. 12 Volt Motor  
Restricted Voltage Range (7V to 14V)  
Red lead is positive, blue lead is negative

893-07 have 13" (33 cm) motor leads.  
893-09 have 10" (25 cm) motor leads.

#	DESCRIPTION	MATERIAL	SIZE (Inches)	QTY.	893-07	893-09
A	Screws, Self-Tapping	Stainless	#7-19 x 1-7/16 Lg.	4	0115-0062-1000	
B	Cover	Noryl	3/8 FPT Inlet	1	0893-0004-1000	
C	"O" Ring	Buna N	1/16 CS x 1-7/16 OD	2	0115-0018-1000	
D	Impeller	Nylon/Ceramic Magnet		1	0115-0008-0100	
E	Shaft	316 Stainless		1	0115-0032-1000	
F	Thrust Washer (Rear)	Carbon/Teflon		1	0115-0033-1000	
G	Rear Housing	Noryl	3/8 OD Outlet	1	0893-0003-1000	
H	Drive Magnet			1	0115-0101-0100	
I	Screws	Stainless	0.118 x 0.5 x 0.236 Lg.	4	0893-0029-1000	
J	Motor Bracket	Plastic		1	0893-0035-1000	
K	"O" Ring	Viton	1/16 CS x 7/16 OD	1	0210-0008-1000	
L	Plug	Plastic		1	0125-0110-1000	
M	Motor (Ametek) 12 VDC Brushless			1	0893-0058-1000	
N	Submersible Assy. 12 VDC Brushless			n/a		Not Available

NOTE: Contact Factory for other materials and/or parts not listed.

0893-0037-1100