



# MARCH PUMPS

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## 893 Brushless Pelonis Motor and Cap

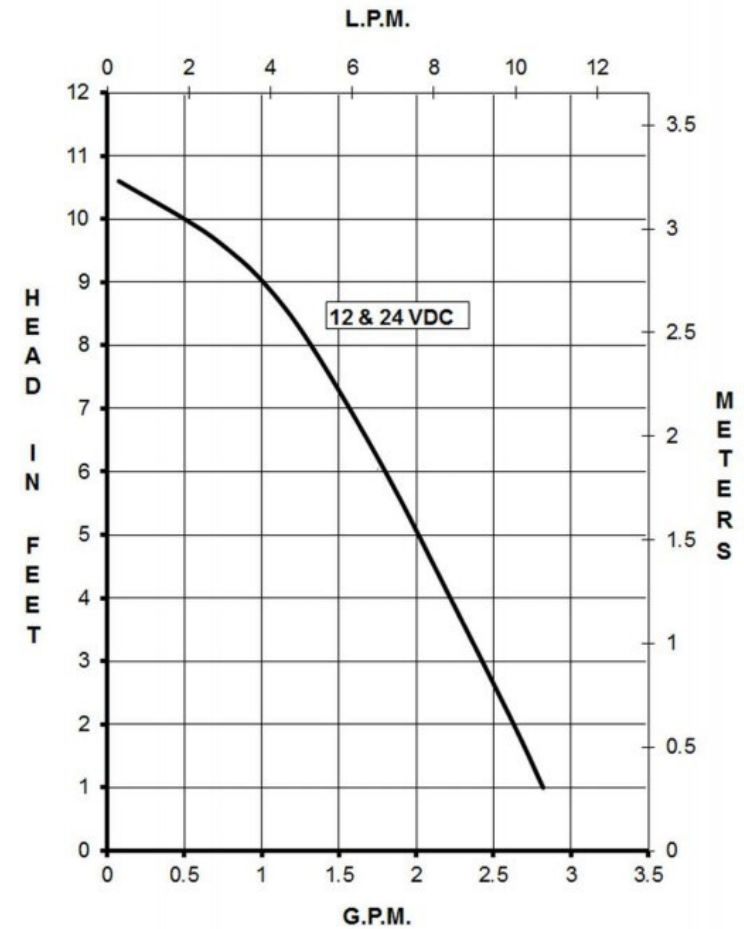
### 893-19 & 893-20

**DESCRIPTION & OPERATION:** Series 893 are centrifugal magnetic drive pumps, eliminating the need for a shaft seal. A flooded suction is essential for operation since the pump is not self-priming. Pumps cannot be run dry because the impeller requires the liquid being pumped for lubrication. The motor uses a cap for additional protection. For application assistance, contact March Pump.

**ELECTRICAL:** The Brushless Motors have voltage protection.

Model 893-19 (12 VDC) voltage range is from 6 V to 14.

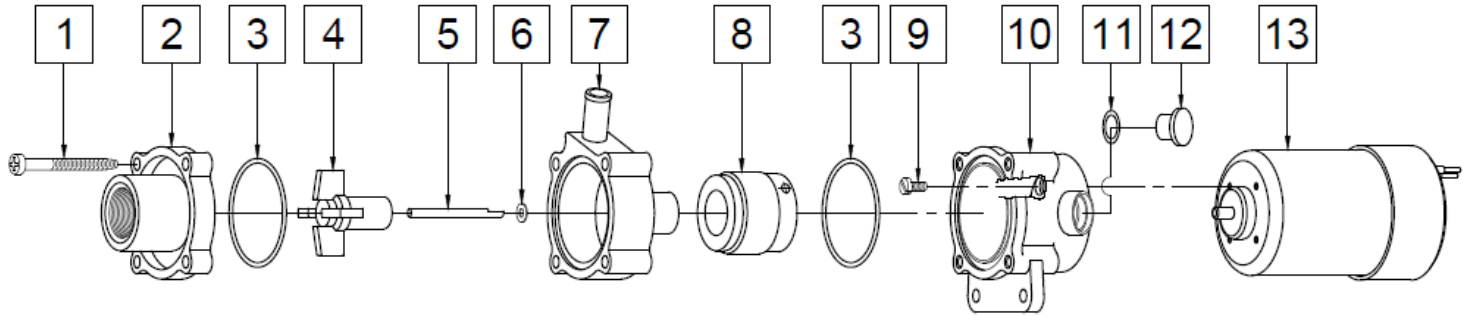
Model 893-20 (24 VDC) voltage range is from 6 V to 26.



| Specifications         |     | 893-19 (12V DC)  | 893-20 (24V DC)  |
|------------------------|-----|------------------|------------------|
| Product                | P/N | 0893-0094-0100   | 0893-0095-0100   |
| Inlet-Outlet           |     | 3/8" FPT-3/8" OD | 3/8" FPT-3/8" OD |
| Max Internal Pressure  |     | 50PSI (344 kPa)  | 50PSI (344 kPa)  |
| Max Liquid Temperature |     | 190F (87C)       | 190F (87C)       |

| Model  | Max Flow |     | Max Head |     |     | Electrical |      |       |       |
|--------|----------|-----|----------|-----|-----|------------|------|-------|-------|
|        | GPM      | LPM | FT       | PSI | M   | Voltage    | Amps | HP    | kW    |
| 893-19 | 2.7      | 11  | 10.6     | 4.5 | 3.3 | 12         | 1.3  | 1/150 | 0.004 |
| 893-20 | 2.7      | 11  | 10.6     | 4.5 | 3.3 | 24         | 0.6  | 1/150 | 0.004 |

All specifications & data are based on pumping water & are intended as a guideline only. Specifications may vary with different motors.



**NOTE**

| NOTE                                                                                                                           |                |         |                                                     |                 |                |         |                                                     |
|--------------------------------------------------------------------------------------------------------------------------------|----------------|---------|-----------------------------------------------------|-----------------|----------------|---------|-----------------------------------------------------|
| 893-19 (12V DC)                                                                                                                |                |         |                                                     | 893-20 (24V DC) |                |         |                                                     |
| Item                                                                                                                           | Part Number    | QTY REQ | Description                                         | Item            | Part Number    | QTY REQ | Description                                         |
| 1                                                                                                                              | 0115-0062-1000 | 4       | #7-19 x 1-7/16" Long Self-Tapping Screw (Stainless) | 1               | 0115-0062-1000 | 4       | #7-19 x 1-7/16" Long Self-Tapping Screw (Stainless) |
| 2                                                                                                                              | 0893-0004-1000 | 1       | 3/8" FPT Inlet Cover (Noryl)                        | 2               | 0893-0004-1000 | 1       | 3/8" FPT Inlet Cover (Noryl)                        |
| 3                                                                                                                              | 0115-0018-1000 | 2       | 1/16" CS x 1-7/16" OD "O" Ring (Buna N)             | 3               | 0115-0018-1000 | 2       | 1/16" CS x 1-7/16" OD "O" Ring (Buna N)             |
| 4                                                                                                                              | 0115-0119-1000 | 1       | Encapsulated Impeller (Polypropylene)               | 4               | 0115-0119-1000 | 1       | Encapsulated Impeller (Polypropylene)               |
| 5                                                                                                                              | 0115-0032-1000 | 1       | Shaft (316 Stainless)                               | 5               | 0115-0032-1000 | 1       | Shaft (316 Stainless)                               |
| 6                                                                                                                              | 0115-0033-1000 | 1       | Rear Thrust Washer (Carbon/Teflon)                  | 6               | 0115-0033-1000 | 1       | Rear Thrust Washer (Carbon/Teflon)                  |
| 7                                                                                                                              | 0893-0003-1000 | 1       | 3/8" OD Outlet Rear Housing (Noryl)                 | 7               | 0893-0003-1000 | 1       | 3/8" OD Outlet Rear Housing (Noryl)                 |
| 8                                                                                                                              | 0115-0101-0100 | 1       | Drive Magnet                                        | 8               | 0115-0101-0100 | 1       | Drive Magnet                                        |
| 9                                                                                                                              | 0893-0064-1000 | 4       | #4-40 x 0.147" Long Screw (Stainless)               | 9               | 0893-0064-1000 | 4       | #4-40 x 0.147" Long Screw (Stainless)               |
| 10                                                                                                                             | 0893-0035-1000 | 1       | Motor Bracket (Plastic)                             | 10              | 0893-0035-1000 | 1       | Motor Bracket (Plastic)                             |
| 11                                                                                                                             | 0210-0008-1000 | 1       | 1/16" CS x 7/16" OD O-Ring (Viton)                  | 11              | 0210-0008-1000 | 1       | 1/16" CS x 7/16" OD O-Ring (Viton)                  |
| 12                                                                                                                             | 0125-0110-1000 | 1       | Plug (Plastic)                                      | 12              | 0125-0110-1000 | 1       | Plug (Plastic)                                      |
| 13                                                                                                                             | 0893-0096-0100 | 1       | 12V Motor and Cap (Pelnois)                         | 13              | 0893-0097-0100 | 1       | 24V Motor and Cap (Pelnois)                         |
| NOTE: Contact Factory for other materials and/or parts not listed.<br>Special voltage motors are available upon special order. |                |         |                                                     |                 |                |         |                                                     |
| <b>Materials in contact with the liquid:</b><br>Noryl, Polypropylene, Carbon/Teflon, Buna N, 316 Stainless Steel               |                |         |                                                     |                 |                |         |                                                     |
| <b>WARRANTY:</b> <a href="https://www.marchpump.com/about/warranty/">https://www.marchpump.com/about/warranty/</a>             |                |         |                                                     |                 |                |         |                                                     |
|                                             |                |         |                                                     | 0893-0037-1600  |                |         |                                                     |