

# MARCH PUMPS

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### **DESCRIPTION:**

Series 5.5 are centrifugal magnetic drive pumps, eliminating the need for a shaft seal. Pumps can be serviced with a screwdriver. Screws should be tightened in sequence and uniformly. Do not over tighten the screws or you may crush the plastic housing bosses.

#### OPERATION:

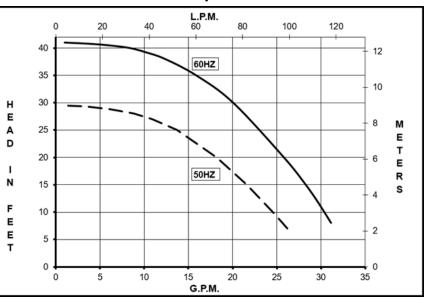
Pumps are not self-priming, lack a suction lift, and thus require a **flooded suction**. Pumps **cannot be run dry** because the impeller requires the liquid being pumped for lubrication. The direction of motor rotation should be clockwise when facing the inlet of the pump. For liquids with a specific gravity greater than water, have a higher viscosity, or for elevated temperatures, a trimmed impeller may be necessary. For application assistance, contact March Pump.

#### ELECTRICAL:

Pumps are 115/230V, 1 phase, air-cooled. Motors are Air Cooled and are U.L. listed as well as rated for continuous operation. Motors have a junction box for electrical connections. Explosion proof and special voltage motors are available upon special order.

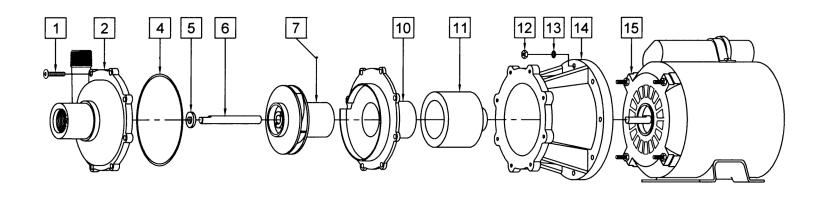
#### TE-5.5C-MD-AC TE-5.5K-MD-AC Specifications Product 1 Phase 0151-0027-0200 0151-0027-0400 1" FPT - 3/4" MPT 1" FPT - 3/4" MPT Inlet-Outlet Max Internal Pressure 50 psi (344 kPa) 75 psi (517 kPa) Max Liquid Temperature 190F (87C) 200F (93C)

## TE-5.5C-MD-AC, TE-5.5K-MD-AC



|               | 60Hz     |     |          |      |            |    |         |         | 50Hz |          |      |     |          |      |            |   |    |         |         |     |       |      |
|---------------|----------|-----|----------|------|------------|----|---------|---------|------|----------|------|-----|----------|------|------------|---|----|---------|---------|-----|-------|------|
|               | Max Flow |     | Max Head |      | Electrical |    |         |         |      | Max Flow |      | М   | Max Head |      | Electrical |   |    |         |         |     |       |      |
| Model         | GPM      | LPM | FT       | PSI  | М          | Ph | V       | Α       | НР   | kW       | RPM  | GPM | LPM      | Feet | PSI        | М | Ph | V       | Α       | НР  | kW    | RPM  |
| TE-5.5C-MD-AC | 30       | 114 | 41       | 17.8 | 12.5       | 1  | 115/230 | 2.7/1.4 | 1/5  | 0.149    | 3450 | 27  | 102      | 29.5 | 12.8       | 9 | 1  | 115/230 | 2.9/1.4 | 1/5 | 0.149 | 2850 |
| TE-5.5K-MD-AC | 30       | 114 | 41       | 17.8 | 12.5       | 1  | 115/230 | 2.7/1.4 | 1/5  | 0.149    | 3450 | 27  | 102      | 29.5 | 12.8       | 9 | 1  | 115/230 | 2.9/1.4 | 1/5 | 0.149 | 2850 |

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



| NOTE  | : Wher   | n attaching the Drive Magnet to the motor shaft, position the fa   | ace of t  | he Drive Magnet fl  | ush wi   | th the face of the Motor Bracket.  |  |  |  |  |
|---|--|--|---|---|--|--|--|--|--|--|
|   |  | TE-5.5C-MD-AC  |   | TE-5.5K-MD-AC   |  |  |  |  |  |  |
| Part Number                                 | QTY<br>REQ   | Description  | Item  | Part Number   | QTY<br>REQ   | Description  |  |  |  |  |
| 0135-0180-1000                              | 8  | #10-32 x 1" Long Screw (Stainless)   | 3   | 0135-0180-1000  | 8  | #10-32 x 1" Long Screw (Stainless)   |  |  |  |  |
| 0151-0027-1000                              | 1  | Front Housing (Polypropylene)  | 2   | 0151-0044-1000  | 1  | Front Housing (Kynar)  |  |  |  |  |
| 0153-0015-1000                              | 1  | 3/32" CS x 4-7/16" OD "O" Ring (Viton)   | 3   | 0153-0015-1000  | 1  | 3/32" CS x 4-7/16" OD "O" Ring (Viton)   |  |  |  |  |
| 0155-0009-1000                              | 1  | Thrust Washer (Ceramic)  | 5   | 0155-0009-1000  | 1  | Thrust Washer (Ceramic)  |  |  |  |  |
| 0153-0007-1000                              | 1  | Shaft (Ceramic)  | 6   | 0153-0007-1000  | 1  | Shaft (Ceramic)  |  |  |  |  |
| 0151-0029-0500                              | 1  | Impeller (Polypropylene)   | 7   | 0151-0046-0300  | 1  | Impeller (Kynar)   |  |  |  |  |
| 0151-0028-0100                              | 1  | Rear Housing (Polypropylene) with Ceramic Thrust Washer  | 10  | 0151-0045-0100  | 1  | Rear Housing (Kynar) with Ceramic Thrust Washer  |  |  |  |  |
| 0151-0061-0200                              | 1  | Drive Magnet   | 11  | 0151-0061-0200  | 1  | Drive Magnet   |  |  |  |  |
| 0410-0039-1000                              | 4  | Hex Nut (Brass)  | 12  | 0410-0039-1000  | 4  | Hex Nut (Brass)  |  |  |  |  |
| 0620-0010-1000                              | 4  | Lock Washer (Plastic)  | 13  | 0620-0010-1000  | 4  | Lock Washer (Plastic)  |  |  |  |  |
| 0151-0041-0100                              | 1  | Motor Bracket  | 14  | 0151-0041-0100  | 1  | Motor Bracket  |  |  |  |  |
| 0175-0087-1000                              | 1  | 1 Phase Motor  | 16  | 0175-0087-1000  | 1  | 1 Phase Motor  |  |  |  |  |
| 0151-0069-0100                              | 1  | Wet End Kit (Items: 3,4,6,7,8,9,10)  | W   | 0151-0070-0100  | 1  | Wet End Kit (Items: 3,4,6,7,8,9,10)  |  |  |  |  |
| rials in contact with                       | n the so   | olution  |   |   |  |  |  |  |  |  |
| TE-5.5C-MD-AC Polypropylene, Ceramic, Viton |  |  |   |   |  |  |  |  |  |  |
| 5K-MD-AC                                    | Glass  | Filled Kynar, Ceramic, Viton   |   |   |  |  |  |  |  |  |
|   | Part Number  0135-0180-1000  0151-0027-1000  0153-0015-1000  0155-0009-1000  0151-0029-0500  0151-0028-0100  0410-0039-1000  0620-0010-1000  0175-0087-1000  0151-0069-0100  rials in contact with | Part Number QTY REQ 0135-0180-1000 8 0151-0027-1000 1 0153-0007-1000 1 0151-0029-0500 1 0151-0028-0100 4 0620-0010-1000 4 0151-0041-0100 1 0175-0087-1000 1 0151-0069-0100 1 015 | TE-5.5C-MD-AC  Part Number QTY REQ  0135-0180-1000 8 #10-32 x 1" Long Screw (Stainless)  0151-0027-1000 1 Front Housing (Polypropylene)  0153-0015-1000 1 3/32" CS x 4-7/16" OD "O" Ring (Viton)  0155-0009-1000 1 Thrust Washer (Ceramic)  0153-0007-1000 1 Shaft (Ceramic)  0151-0029-0500 1 Impeller (Polypropylene)  0151-0028-0100 1 Rear Housing (Polypropylene) with Ceramic Thrust Washer  0151-0061-0200 1 Drive Magnet  0410-0039-1000 4 Hex Nut (Brass)  0620-0010-1000 4 Lock Washer (Plastic)  0151-0041-0100 1 Motor Bracket  0175-0087-1000 1 Phase Motor  0151-0069-0100 1 Wet End Kit (Items: 3,4,6,7,8,9,10)  orials in contact with the solution  SC-MD-AC Polypropylene, Ceramic, Viton | TE-5.5C-MD-AC           Part Number         QTY REQ         Description         Item           0135-0180-1000         8         #10-32 x 1" Long Screw (Stainless)         3           0151-0027-1000         1         Front Housing (Polypropylene)         2           0153-0015-1000         1         3/32" CS x 4-7/16" OD "O" Ring (Viton)         3           0155-0009-1000         1         Thrust Washer (Ceramic)         5           0153-0007-1000         1         Shaft (Ceramic)         6           0151-0029-0500         1         Impeller (Polypropylene)         7           0151-0028-0100         1         Rear Housing (Polypropylene) with Ceramic Thrust Washer         10           0151-0040-0200         1         Drive Magnet         11           0410-0039-1000         4         Hex Nut (Brass)         12           0620-0010-1000         4         Lock Washer (Plastic)         13           0151-0041-0100         1         Motor Bracket         14           0151-0069-0100         1         Wet End Kit (Items: 3,4,6,7,8,9,10)         W | TE-5.5C-MD-AC  Part Number QTY REQ Description Item Part Number REQ 0135-0180-1000 8 #10-32 x 1" Long Screw (Stainless) 3 0135-0180-1000 0151-0027-1000 1 Front Housing (Polypropylene) 2 0151-0044-1000 0153-0015-1000 1 3/32" CS x 4-7/16" OD "O" Ring (Viton) 3 0153-0015-1000 0155-0009-1000 1 Thrust Washer (Ceramic) 5 0155-0009-1000 0153-0007-1000 1 Shaft (Ceramic) 6 0153-0007-1000 0151-0029-0500 1 Impeller (Polypropylene) 7 0151-0046-0300 0151-0028-0100 1 Rear Housing (Polypropylene) with Ceramic Thrust Washer 10 0151-0045-0100 0151-0061-0200 1 Drive Magnet 11 0151-0061-0200 0410-0039-1000 4 Hex Nut (Brass) 12 0410-0039-1000 0620-0010-1000 4 Lock Washer (Plastic) 13 0620-0010-1000 0151-0041-0100 1 Motor Bracket 14 0151-0041-0100 0151-0069-0100 1 Wet End Kit (Items: 3,4,6,7,8,9,10) W 0151-0070-0100 crials in contact with the solution | Part Number         QTY REQ         Description         Item REQ         Part Number         QTY REQ           0135-0180-1000         8         #10-32 x 1" Long Screw (Stainless)         3         0135-0180-1000         8           0151-0027-1000         1         Front Housing (Polypropylene)         2         0151-0044-1000         1           0153-0015-1000         1         3/32" CS x 4-7/16" OD "O" Ring (Viton)         3         0153-0015-1000         1           0155-0009-1000         1         Thrust Washer (Ceramic)         5         0155-0009-1000         1           0153-0007-1000         1         Shaft (Ceramic)         6         0153-0007-1000         1           0151-0029-0500         1         Impeller (Polypropylene)         7         0151-0046-0300         1           0151-0028-0100         1         Rear Housing (Polypropylene) with Ceramic Thrust Washer         10         0151-0045-0100         1           0151-0028-0100         1         Drive Magnet         11         0151-0045-0100         1           0410-0039-1000         4         Hex Nut (Brass)         12         0410-0039-1000         4           0620-0010-1000         4         Lock Washer (Plastic)         13         0620-0010-1000         1 |  |  |  |  |

<u>LIMITED WARRANTY</u>: March pumps are guaranteed only against defects in workmanship or materials for a period of one year from date of manufacture pumping water. For the complete warranty and to register online go to www.marchpump.com/warranty-registration

 $\label{eq:NOTE:contact} \mbox{ NOTE: Contact Factory for other materials and/or parts not listed.}$ 

 $\label{proof:eq:continuous} \textbf{Explosion proof and special voltage motors are available upon special order.}$ 

For the General Installation Manual, see this link <a href="https://www.marchpump.com/wp-content/uploads/2019/07/march-pump-general-installation-guide-0750-040.pdf">https://www.marchpump.com/wp-content/uploads/2019/07/march-pump-general-installation-guide-0750-040.pdf</a>
or Scan QR Code