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MARCH PUMPS

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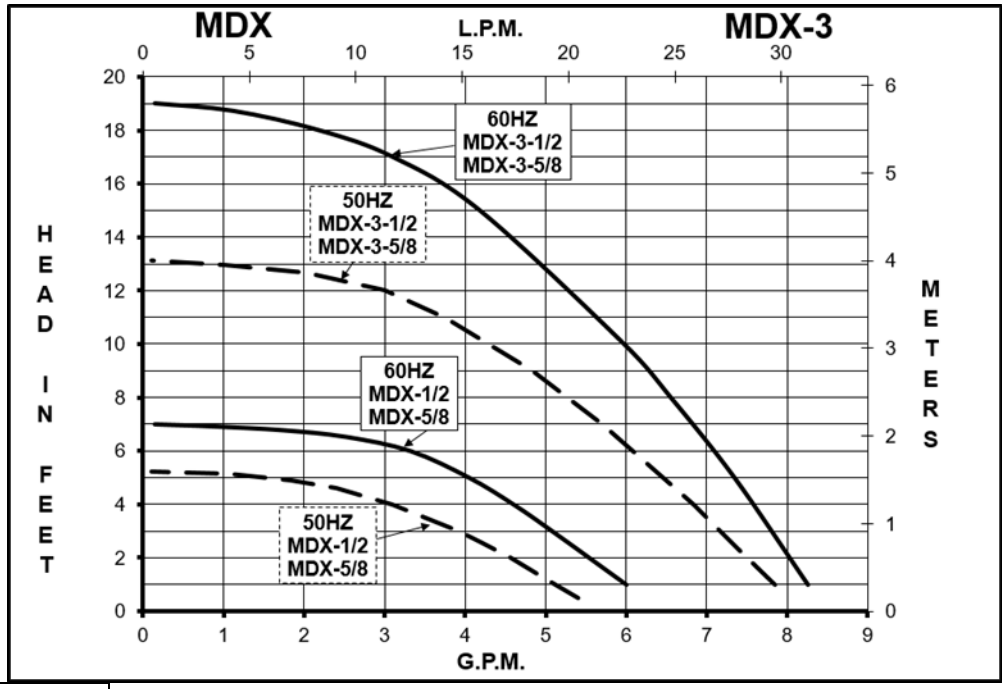
# MDX-1/2, MDX-5/8, MDX-3-1/2, MDX-3-5/8




**DESCRIPTION:**

Series MDX 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. For application assistance, contact March Pump.

**ELECTRICAL:**

All models have air cooled motors that are U.L. listed and are rated for continuous duty. Motors have a 3 foot ( 0.9 m) cord. Air cooled motors are separate voltage 115 Volt 60 Hz, 115 Volt 50/60 Hz, or 230 Volt 50/60 Hz. Motors are not dual voltage.

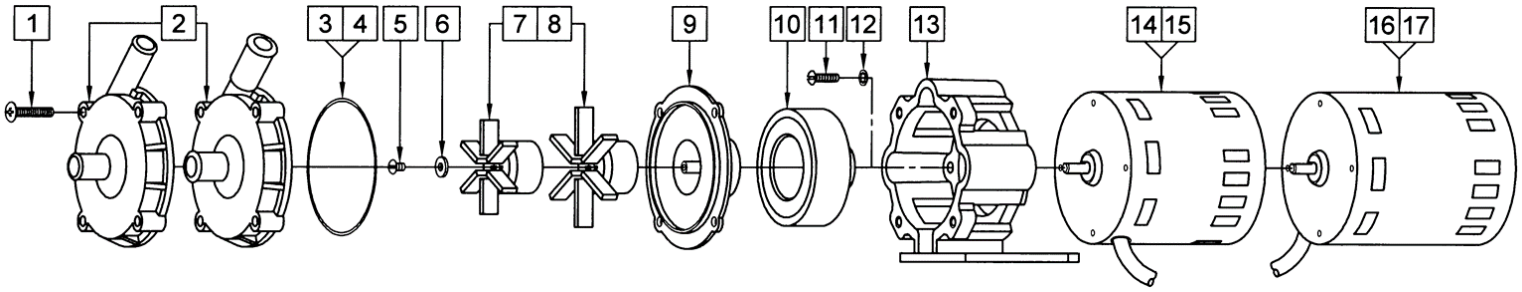
**LIMITED WARRANTY:**

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

| Specifications | | MDX-1/2 | MDX-5/8 | MDX-3-1/2 | MDX-3-5/8 |
|---|---|---|---|---|---|
| Product | 115V | 0135-0006-0200 | 0135-0006-0100 | 0135-0006-0400 | 0135-0006-0300 |
| | 230V | 0135-0163-0100 | 0135-0163-0200 | 0135-0163-0300 | 0135-0163-0400 |
| Inlet-Outlet | | 1/2”OD-1/2”OD | 5/8”OD-5/8”OD | 1/2”OD-1/2”OD | 5/8”OD-5/8”OD |
| Max Internal Pressure | | 50PSI (344 kPa) | 50PSI (344 kPa) | 50PSI (344kPa) | 50PSI (344 kPa) |
| Max Liquid Temperature | | 190F (87C) | 190F (87C) | 190F (87C) | 190F (87C) |

| | 60Hz | | | | | | | | | | | 50Hz | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max Flow | | Max Head | | | Electrical | | | | | | Max Flow | | Max Head | | | Electrical | | | | | |
| Model | GPM | LPM | FT | PSI | M | Ph | V | A | HP | kW | RPM | GPM | LPM | Feet | PSI | M | Ph | V | A | HP | kW | RPM |
| MDX-1/2 | 6 | 22.7 | 7 | 3.03 | 2.13 | 1 | 115/230 | .94/.45 | 1/55, 1/40 | .014/.019 | 1750 | 5.8 | 22 | 5.2 | 2.3 | 1.6 | 1 | 230 | .5 | 1/40 | .019 | 1300 |
| MDX-5/8 | 6 | 22.7 | 7 | 3.03 | 2.13 | 1 | 115/230 | .94/.45 | 1/55, 1/40 | .014/.019 | 1750 | 5.8 | 22 | 5.2 | 2.3 | 1.6 | 1 | 230 | .5 | 1/40 | .019 | 1300 |
| MDX-3-1/2 | 8.5 | 32.2 | 19 | 8.2 | 5.8 | 1 | 115/230 | 1.55/.7 | 1/25 | .03 | 3450 | 7.9 | 30 | 13.1 | 5.7 | 4 | 1 | 115/230 | 1.55/.7 | 1/25 | .03 | 2850 |
| MDX-3-5/8 | 8.5 | 32.2 | 19 | 8.2 | 5.8 | 1 | 115/230 | 1.55/.7 | 1/25 | .03 | 3450 | 7.9 | 30 | 13.1 | 5.7 | 4 | 1 | 115/230 | 1.55/.7 | 1/25 | .03 | 2850 |

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




**NOTE**: When attaching the Drive Magnet to the motor shaft, position the face of the Drive Magnet 1/16 inch below the face of the Motor Bracket.

| MDX-1/2 | | | | MDX-5/8 | | | |
|---|---|---|---|---|---|---|---|
| Item | Part Number | QTY REQ | Description | Item | Part Number | QTY REQ | Description |
| 1 | 0135-0180-1000 | 4 | #10-32 x 1" Long Screw (Stainless Steel) | 1 | 0135-0180-1000 | 4 | #10-32 x 1" Long Screw (Stainless Steel) |
| 2 | 0135-0118-1000 | 1 | Front Housing with 1/2" OD Inlet & Outlet (Polypropylene) | 2 | 0135-0117-1000 | 1 | Front Housing with 5/8" OD Inlet & Outlet (Polypropylene) |
| 3 | 0135-0007-1000 | 1 | 1/16" CS x 3" OD "O" Ring (Buna N) | 3 | 0135-0007-1000 | 1 | 1/16" CS x 3" OD "O" Ring (Buna N) |
| 8 | 0135-0026-0100 | 1 | 2.625" Dia. Impeller with Bare Ceramic Magnet (Polypropylene) | 8 | 0135-0026-0100 | 1 | 2.625" Dia. Impeller with Bare Ceramic Magnet (Polypropylene) |
| 9 | 0802-0043-1000 | 1 | Rear Housing (Kynar/Carbon Filled) | 9 | 0802-0043-1000 | 1 | Rear Housing (Kynar/Carbon Filled) |
| 10 | 0135-0126-1000 | 1 | Drive Magnet | 10 | 0135-0126-1000 | 1 | Drive Magnet |
| 11 | 0618-0027-1000 | 4 | #8-32 x 5/8" Long Screw (Stainless Steel) | 11 | 0618-0027-1000 | 4 | #8-32 x 5/8" Long Screw (Stainless Steel) |
| 12 | 0620-0010-1000 | 4 | #8 Lock Washer (Stainless Steel) | 12 | 0620-0010-1000 | 4 | #8 Lock Washer (Stainless Steel) |
| 13 | 0135-0168-0100 | 1 | Motor Bracket (Plastic) | 13 | 0135-0168-0100 | 1 | Motor Bracket (Plastic) |
| 14 | 0135-0109-1000 | 1 | Motor, 1750RPM, 115V, 60Hz | 14 | 0135-0109-1000 | 1 | Motor, 1750RPM, 115V, 60Hz |
| 15 | 0135-0112-1000 | 1 | Motor, 1750RPM, 230V, 50/60Hz | 15 | 0135-0112-1000 | 1 | Motor, 1750RPM, 230V, 50/60Hz |
| **MDX-3-1/2** | | | | **MDX-3-5/8** | | | |
| 1 | 0135-0180-1000 | 4 | #10-32 x 1" Long Screw (Stainless Steel) | 1 | 0135-0180-1000 | 4 | #10-32 x 1" Long Screw (Stainless Steel) |
| 2 | 0135-0118-1000 | 1 | Front Housing with 1/2" OD Inlet & Outlet (Polypropylene) | 2 | 0135-0117-1000 | | Front Housing with 5/8" OD Inlet & Outlet (Polypropylene) |
| 3 | 0135-0007-1000 | 1 | 1/16" CS x 3" OD "O" Ring (Buna N) | 3 | 0135-0007-1000 | 1 | 1/16" CS x 3" OD "O" Ring (Buna N) |
| 5 | 0135-0042-1000 | 1 | #8-32 x 1/4" Long Screw (Stainless Steel) | 5 | 0135-0042-1000 | 1 | #8-32 x 1/4" Long Screw (Stainless Steel) |
| 6 | 0802-0057-1000 | 1 | Thrust Washer (Ryton/Teflon/Carbon) | 6 | 0802-0057-1000 | 1 | Thrust Washer (Ryton/Teflon/Carbon) |
| 7 | 0135-0043-0100 | 1 | 2.062" Dia. Impeller with Bare Ceramic Magnet (Polypropylene) | 7 | 0135-0043-0100 | 1 | 2.062" Dia. Impeller with Bare Ceramic Magnet (Polypropylene) |
| 9 | 0802-0043-1000 | 1 | Rear Housing (Kynar/Carbon Filled) | 9 | 0802-0043-1000 | 1 | Rear Housing (Kynar/Carbon Filled) |
| 10 | 0135-0126-1000 | 1 | Drive Magnet | 10 | 0135-0126-1000 | 1 | Drive Magnet |
| 11 | 0618-0027-1000 | 4 | #8-32 x 5/8" Long Screw (Stainless Steel) | 11 | 0618-0027-1000 | 4 | #8-32 x 5/8" Long Screw (Stainless Steel) |
| 12 | 0620-0010-1000 | 4 | #8 Lock Washer (Stainless Steel) | 12 | 0620-0010-1000 | 4 | #8 Lock Washer (Stainless Steel) |
| 13 | 0135-0168-0100 | 1 | Motor Bracket (Plastic) | 13 | 0135-0168-0100 | 1 | Motor Bracket (Plastic) |
| 16 | 0135-0036-1000 | 1 | Motor, 3450RPM, 115V, 50/60Hz | 16 | 0135-0036-1000 | 1 | Motor, 3450RPM, 115V, 50/60Hz |
| 17 | 0135-0037-1000 | 1 | Motor, 3450RPM, 230V, 50/60Hz | 17 | 0135-0037-1000 | 1 | Motor, 3450RPM, 230V, 50/60Hz |

NOTE: Contact Factory for other materials and/or parts not listed. Special voltage motors are available upon special order.

**Materials in contact with the liquid**: **MDX-1/2 & MDX-5/8**: Polypropylene, Ceramic Magnet, Buna N, Kynar Carbon Filled.
**MDX-3-1/2 and MDX-3-5/8:** Polypropylene, Ceramic Magnet, Buna N, Kynar Carbon Filled, Ryton/Teflon/Carbon, Stainless Steel.

***LIMITED WARRANTY***: 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

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

0135-0107-1000-Rev28