



# MARCH PUMPS

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**DESCRIPTION:** Series 8 are centrifugal magnetic drive pumps, eliminating the need for a shaft seal. Pumps are serviceable with an adjustable wrench. Screws should be tightened in sequence & uniformly. Do not over tighten the screws or you may crush the plastic housing bosses. See the parts list for a breakdown of parts.

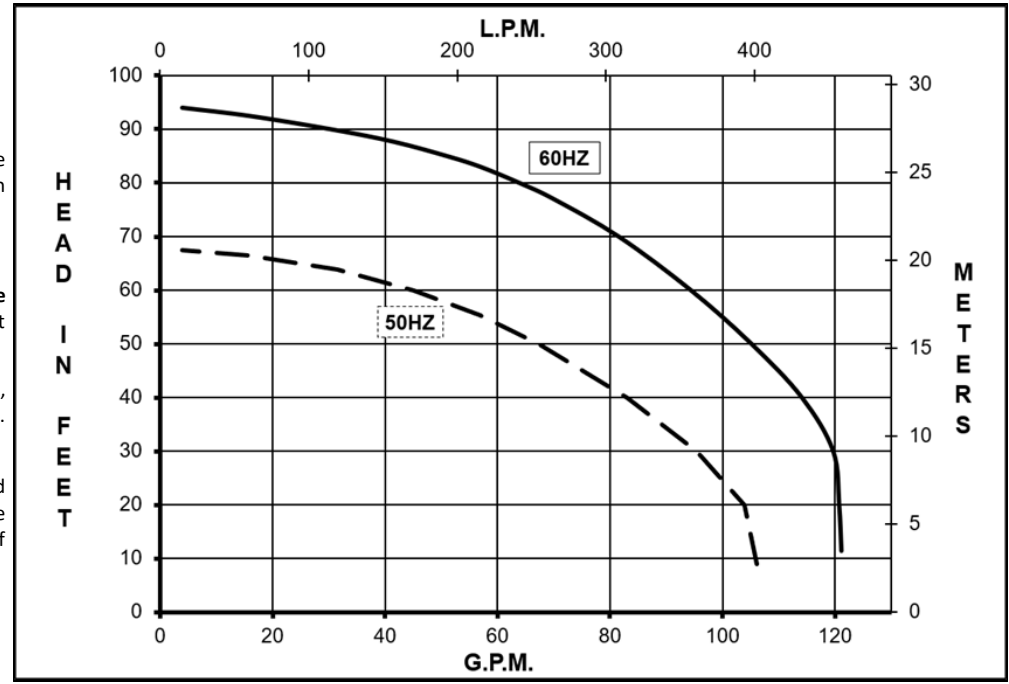
**MODEL ABBREVIATIONS :** C: Polypropylene, K: Kynar

**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:** TE-8-MD pumps are dual voltage 230/460, 3 phase 60 Hz and dual voltage 190/380, 3 phase 50 Hz, TEFC. Motors are totally enclosed fan cooled and are U.L. listed as well as rated for continuous operation. All motors have a conduit box for electrical connections.

**ASSEMBLY & DISASSEMBLY:** When replacing impeller bushings in the field, the plastic bushings must be bored to size after they have been pressed into the impeller. Bore to 0.630/0.632 I.D. The carbon & ceramic bushings are to finished size and do not require boring. When attaching the drive magnet to the motor shaft, position the face of the drive magnet 3/8 inch below the face of the motor bracket

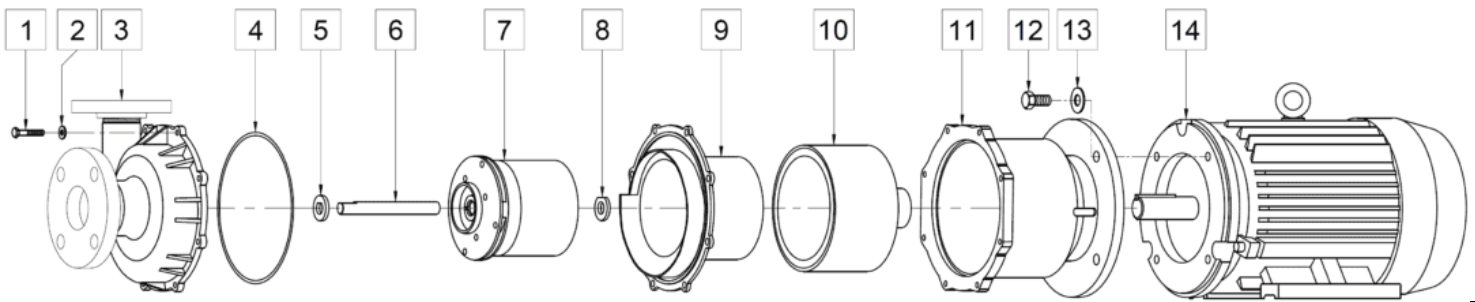
## TE-8C-MD, TE-8K-MD, With Flanges



Specifications		TE-8C-MD	TE-8K-MD
Product	3Ph 3HP	0157-0008-0170	0157-0008-0270
	3Ph 5HP	0157-0008-0770	0157-0008-0870
Inlet-Outlet		2" Flange-1.5" Flange	2" Flange-1.5" Flange
Max Internal Pressure		50PSI (344 kPa)	75PSI (517 kPa)
Max Liquid Temperature		150F (65C)	200F (93C)

Model	60Hz											50Hz										
	Max Flow		Max Head			Electrical						Max Flow		Max Head			Electrical					
	GPM	LPM	FT	PSI	M	Ph	V	A	HP	kW	RPM	GPM	LPM	Feet	PSI	M	Ph	V	A	HP	kW	RPM
TE-8C-MD	120	454	95	41.2	29	3	230/460	7.8/3.9	3	2.2	3450	105	400	65.6	28.4	20	3	380	4.3	3	2.2	2850
TE-8C-MD	120	454	95	41.2	29	3	230/460	11.8/5.9	5	3.7	3450	105	400	65.6	28.4	20	3	380	7.14	5	3.7	2850
TE-8K-MD	120	454	95	41.2	29	3	230/460	7.8/3.9	3	2.2	3450	105	400	65.6	28.4	20	3	380	4.3	3	2.2	2850
TE-8K-MD	120	454	95	41.2	29	3	230/460	11.8/5.9	5	3.7	3450	105	400	65.6	28.4	20	3	380	7.14	5	3.7	2850

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



TE-8C-MD				TE-8K-MD			
Item	Part Number	QTY REQ	Description	Item	Part Number	QTY REQ	Description
1	0157-0014-1000	8	1/4"-20 x 1" LG. Screw (Stainless)	1	0157-0014-1000	8	1/4"-20 x 1" LG. Screw (Stainless)
2	0157-0023-1000	8	1/4" ID x 5/8" OD Washer (Stainless)	2	0157-0023-1000	8	1/4" ID x 5/8" OD Washer (Stainless)
3	0157-0081-0100	1	Pump Housing, 2"x 1.5" Flanges (Polypropylene)	3	0157-0082-1000	1	Pump Housing, 2"x 1.5" Flanges (Glass Filled Kynar)
4	0157-0011-1000	1	0.157" CS x 7.244" ID "O" Ring (Viton)	4	0157-0011-1000	1	0.157" CS x 7.244" ID "O" Ring (Viton)
5	0157-0001-1000	1	Front Thrust Washer (Ceramic)	5	0157-0001-1000	1	Front Thrust Washer (Ceramic)
6	0157-0099-1000	1	3 Flats Shaft (Ceramic)	6	0157-0099-1000	1	3 Flats Shaft (Ceramic)
7	0157-0004-0200	1	Impeller with Ryton/Teflon/Carbon Bushing (Polypropylene)	7	0157-0050-0500	1	Impeller with Carbon Bushing (Glass Filled Kynar)
8	0157-0009-1000	1	Rear Thrust Washer (Ceramic)	8	0157-0009-1000	1	Rear Thrust Washer (Ceramic)
9	0157-0006-1000	1	Rear Housing (Carbon Filled Polypropylene)	9	0157-0053-1000	1	Rear Housing (Glass Filled Kynar)
10	0157-0005-0100	1	Drive Magnet	10	0157-0005-0100	1	Drive Magnet
11	0157-0008-0010	1	Motor Bracket (Metal)	11	0157-0008-0010	1	Motor Bracket (Metal)
12	0160-0031-1000	4	1/2"-13 x 1" Lg. Screw (Stainless)	12	0160-0031-1000	4	1/2"-13 x 1" Lg. Screw (Stainless)
13	0160-0032-1000	4	1/2"ID x 1-1-1/4"OD Washer (Stainless)	13	0160-0032-1000	4	1/2"ID x 1-1-1/4"OD Washer (Stainless)
14A	0157-0012-1000	1	TEFC Motor, 3HP, 230/460V, 3 Phase, 50/60Hz	14A	0157-0012-1000	1	TEFC Motor, 3HP, 230/460V, 3 Phase, 50/60Hz
14B	0157-0065-1000	1	TEFC Motor, 5HP, 230/460V, 3 Phase, 50/60Hz	14B	0157-0065-1000	1	TEFC Motor, 5HP, 230/460V, 3 Phase, 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: TE-8C-MD With Flanges:** Polypropylene, Carbon Filled Polypropylene, Ryton/Teflon/Carbon, Ceramic, Viton

**TE-8K-MD With Flanges:** Glass Filled Kynar, Carbon, Ceramic, Viton

**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](http://www.marchpump.com/warranty-registration)